MAR 20140005: CLEAR HILLS

Clear Hills Project- A report on Iron deposits in the Clear Hills in northwest Alberta.

Received date: Jun 17, 2014

Public release date: Jan 08, 2016

DISCLAIMER

By accessing and using the Alberta Energy website to download or otherwise obtain a scanned mineral assessment report, you ("User") agree to be bound by the following terms and conditions:

- a) Each scanned mineral assessment report that is downloaded or otherwise obtained from Alberta Energy is provided "AS IS", with no warranties or representations of any kind whatsoever from Her Majesty the Queen in Right of Alberta, as represented by the Minister of Energy ("Minister"), expressed or implied, including, but not limited to, no warranties or other representations from the Minister, regarding the content, accuracy, reliability, use or results from the use of or the integrity, completeness, quality or legibility of each such scanned mineral assessment report;
- b) To the fullest extent permitted by applicable laws, the Minister hereby expressly disclaims, and is released from, liability and responsibility for all warranties and conditions, expressed or implied, in relation to each scanned mineral assessment report shown or displayed on the Alberta Energy website including but not limited to warranties as to the satisfactory quality of or the fitness of the scanned mineral assessment report for a particular purpose and warranties as to the non-infringement or other non-violation of the proprietary rights held by any third party in respect of the scanned mineral assessment report;
- c) To the fullest extent permitted by applicable law, the Minister, and the Minister's employees and agents, exclude and disclaim liability to the User for losses and damages of whatsoever nature and howsoever arising including, without limitation, any direct, indirect, special, consequential, punitive or incidental damages, loss of use, loss of data, loss caused by a virus, loss of income or profit, claims of third parties, even if Alberta Energy have been advised of the possibility of such damages or losses, arising out of or in connection with the use of the Alberta Energy website, including the accessing or downloading of the scanned mineral assessment report and the use for any purpose of the scanned mineral assessment report so downloaded or retrieved.
- d) User agrees to indemnify and hold harmless the Minister, and the Minister's employees and agents against and from any and all third party claims, losses, liabilities, demands, actions or proceedings related to the downloading, distribution, transmissions, storage, redistribution, reproduction or exploitation of each scanned mineral assessment report obtained by the User from Alberta Energy.





ASSESSMENT WORK

PART "B" TECHNICAL DOCUMENT

METALLIC AND INDUSTRIAL MINERALS PERMIT NUMBERS

9312060404	9312060405	9312060406
9312060407		9312060410

CLEAR HILLS PROJECT

IRONSTONE RESOURCES LTD.

COVERING THE PERIOD

JANUARY 1, 2012 to JANUARY 1, 2013

SUBMITTED BY

ANDREW READER, B.Sc. GEOLOGIST, EXPLORATION & DEVELOPMENT

JUNE 15, 2014

Table of Contents

Executive Summary	2
Introduction	2
Location and Access	3
Stratigraphy	5
Structural Geology	6
Economic Geology	6
Metallic and Industrial Minerals Permits	7
Work Performed	8
Access and Surveying	8
Drilling Program	9
Core Sampling, Description, and Analysis	9
Results Obtained	11
Drilling Program	
Core Sampling, Description, and Analysis	
Geology	17
Conclusion	19
Author	20
References	21

Executive Summary

Ironstone Resources Ltd. ("Ironstone") has been developing the Clear Hills ironstone deposit since 2007. In 2008 a 51-hole drilling program was completed on the northern portion of the deposit in order to confirm historic drilling reports. Using these drill holes, SRK Consulting Canada ("SRK") calculated a compliant resource of: 139.6 Mt grading 33% Fe and 0.21% V₂O₅ indicated and 62.8 Mt grading 33.7% Fe inferred. Details of this drill program can be found in Ironstone's Assessment Report "Clear Hills Project" dated July 5, 2008. In early 2011 a second drill program was completed on the Clear Hills project. In total, 148 holes were drilled directly to the south of the 2008 drilling. SRK completed an updated resource report stating that the compliant resource was: 557.7 Mt @ 33.3% Fe and 0.20% V₂O₅ indicated, and 94.7 Mt @ 34.1% Fe inferred. In addition a bulk sample pit was excavated in early 2011 and 11,000 tonnes were extracted for use in various pilot engineering tests.

In February 2012, Ironstone completed a third drilling program on the Clear Hills project which is the focus of this Assessment Report. 31 holes were drilled in the approximate southeastern-most portion of the Clear Hills deposit. Core collected was described, sampled, shipped to Inspectorate Exploration & Mining Services Ltd. ("Inspectorate") in Vancouver, BC for whole-rock geochemical and bulk density analyses.

Introduction

During early 2012 a 31-hole core drilling program was completed on the southeastern-most extent of the deposit. The area drilled has historically been referred to as the "South Whitemud Block". Iron ore was recovered in 27 of the 31 holes drilled and holes with iron recovered were described and sampled according to the same procedure as the 2011 Clear Hills drilling program.

Results of the work completed on the Clear Hills project covering the period from January 2012 to July 2012 are highlighted below with full reports and data attached in the appendix (Part C).

Location and Access

The Clear Hills iron deposits underlie much of the Clear Hills in northwestern Alberta, 80 km northwest of the town of Peace River, Alberta, and 480 air-km northwest of Edmonton (Figure 1). The deposits are primarily within National Topographic System (NTS) map-areas 84D and 84E.

The southern parts of the Clear Hills iron deposits are accessible by gravel road extending north from the community of Worsley. Further north, the deposits, which crop out along Rambling Creek (formerly called Swift Creek), are accessible by foot from the dry weather gravel road that extends to the Notikewin forestry tower and airstrip.

The South Whitemud Block that was the focus of this drill program was accessed by a large, well-maintained gravel road owned by Canadian Forest Products (CANFOR). The road in question is accessed to the northeast of the town of Hines Creek, and runs through the middle of the drilling area (See Figure 1).

In general, access to other locations in the Clear Hills is best by helicopter, or in winter months by skidoo along seismic lines which transect this area.

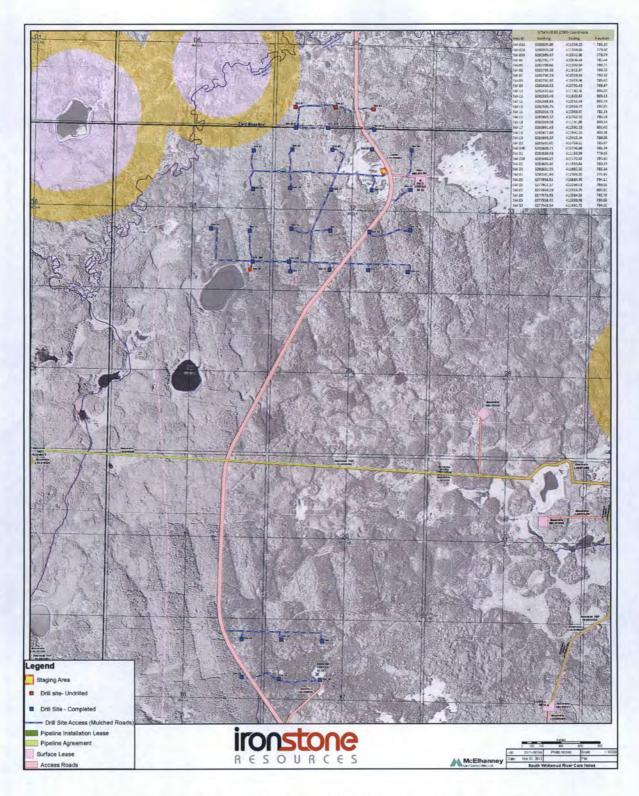


Figure 1: Clear Hills 2012 Drilling Locations

Stratigraphy

The Clear Hills iron deposit consists of a ferruginous onlite ore of the Minette type hosted by the Bad Heart Formation (Petruk, 1977). Hamilton (1980) described the lithology as a dark brown and green to black, ferruginous onlite, forming a bed up to 12m thick.

Outcrop of the Bad Heart formation in the Clear Hills, and northwestern Alberta in general, is scarce. The best exposures of the Bad Heart formation, including the type section, occur along the Smoky River near its intersection with the Bad

Heart River approximately 100 km southwest of the town of Peace River. In the Clear Hills, the best natural exposures of the Bad Heart formation ooidal ironstone are along Rambling Creek on the company's Rambling Creek block (although the entire Bad Heart formation section is not exposed) (Figure 2). Donaldson (1999) suggests the ooidal ironstone was deposited in a shallow marine and clastic starved environment due to the well sorted/rounded and grain-supported nature of the deposit, and the lack of detrital material throughout the entire ooidal facies.

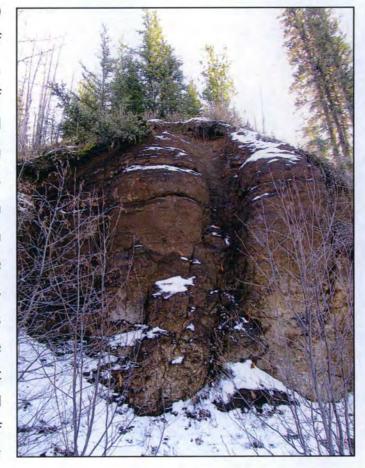


Figure 2: Outcrop of Bad Heart ironstone along Rambling Creek

Structural Geology

Kidd (1959) describes the regional structure as a gently undulating homocline, dipping regionally to the southwest at 20 to 25 feet per mile. He interpreted the dip on the iron bed as 8 feet per mile, to the southwest. Green and Mellon (1962) suggest reversal of dips locally result in variable dip directions.

In general, the regional dips are extremely low and rarely exceed 5 meters per kilometer. Structure contours within the Clear Hills on the top of the Bad Heart formation show that the unit is mainly shallowly east-dipping.

The thickness of the iron bed varies from zero to 12m and forms a series of sandstone bodies that trend northwest, which are exposed along the flanks of the hills at elevations between 762 and 823 meters (Mellon et al, 1975).

Economic Geology

The Clear Hills deposit has been the subject of quite detailed reserves estimates by the Alberta Research Council, on the basis of surface exposures and drilling programs carried out between 1959 and 1965 on four areas supervised by N. S. Edgar, a consulting mining engineer. The reserves were summarized as follows:

		Reserves		No of
Block Name	Proven	Probable	Possible	Drillholes
Worsley "A"	25,750,000	8,225,000	-	120
Rambling Creek "B"	210,000,000			115
Whitemud "C"	-	684,000,000	-	Proven
S. Whitemud "D"	-	-	205,000,000	8
TOTAL	226,750,000	692,225,000	205,000,000	

Table 1: Reserves of sedimentary Iron ore, Clear Hills District, northwestern Alberta. After Bertram and Mellon, 1975

Metallic and Industrial Minerals Permits

Permit Number	Area (Ha)
9312060404	2,048
9312060405	7,424
9312060406	6,908
9312060407	4,608
9312060410	4,608
Total Area:	25,596

Table 2: List of permits included in this assessment

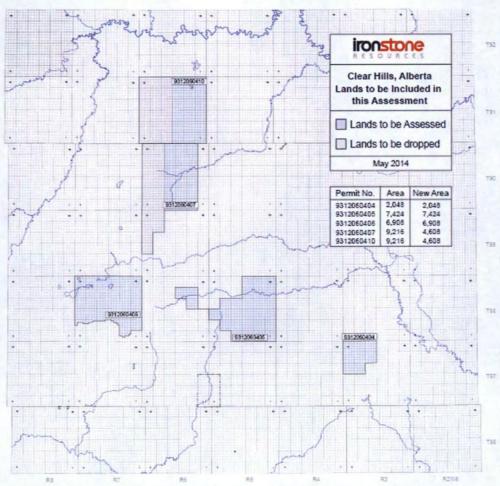


Figure 3: Location of permits included in this assessment report (included in appendix C)

Work Performed

Access and Surveying

Ironstone Resource's properties are best accessed in the winter when roads are frozen due to muddy conditions that prevail during the rest of the year.

Public access to the Clear Hills is closely monitored by Alberta Environment & Sustainable Resource Development (AESRD) to protect its ecosystems. Two forestry companies (Canadian Forest Products and Diashowa) and several oil and gas companies currently operate in the area.

Ironstone's properties can be accessed by the well-maintained Notikewin Fire Tower Road, north of Eureka River during the winter. During the fall of 2011, permanent culverts were replaced by Ironstone at several river crossings to improve accessibility. Another road (Iron Haul Road), although mostly inaccessible in its current form, splits off of the Notikewin Road at the south and runs north along the west side of Ironstone's properties.

The southeastern portion of the property can be accessed by a large, well-maintained gravel road owned by CANFOR located to the northeast of the town of Hines Creek.

Tyran Transport Ltd. (Clayhurst, BC) was contracted to act as prime contractor for the drill program and maintained temporary access roads throughout the drilling program. Mcelhanney Associates (Grande Prairie, AB) was hired to conduct all survey work for Ironstone. Drill sites were positioned and marked initially by handheld GPS, with final, accurate drill collar surveys completed on all boreholes after drilling.

All drilling locations were permanently marked with metal identification tags bearing the MME number, hole number and DLS location. The tags were affixed to a tree at the southwest corner of each location.

A 50x50 meter staging area was cleared just off of the CANFOR road in order to set up a temporary drilling camp. The camp consisted of an office trailer, core trailer, and storage for drilling supplies.

At the completion of the drilling program, all of the drill sites were "rolled back" to AESRD specification, leaving the area as close to original condition as possible.

Drilling Program

During February 2012, Ironstone conducted a drilling program on its South Whitemud block (Figure 4). Over 1400 meters of drilling was completed over an 11-day period from February 11th to February 21st. Bad Heart core was recovered from 27 holes using an HQ size coring bit. The drilling was completed on a roughly 400 meter grid over two separate drilling blocks.

Ironstone contracted Radius Drilling (Prince George, BC) to conduct the drilling and coring of the ironstone. Radius supplied 2 diamond drill rigs that were skidded between locations by bulldozer.

Each core channel was marked to identify the intervals, including tops and bottoms, and the core boxes were marked with the hole ID. Core boxes were sealed and transported offsite for description and sampling between February 22nd and March 1st, 2012.

Core Sampling, Description, and Analysis

All core was brought to the core handling facility where it was halved. One half of the core was further quartered, and the other half was set out for core

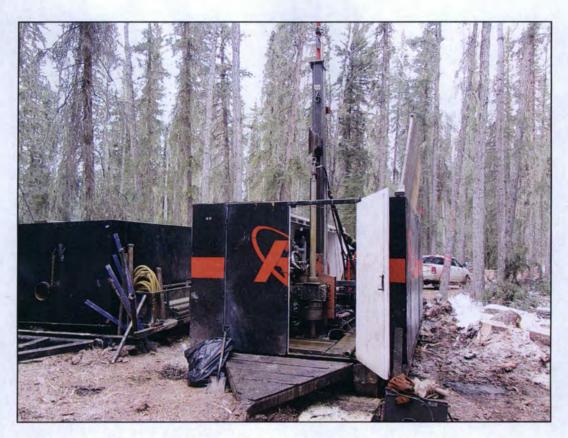


Figure 4: Drill rig at South Whitemud River drill location

description and photographs (Figure 5). One quarter of the core was sampled for geochemical analysis in 0.5 meter intervals. The other quarter of the core was sampled for metallurgical tests in 1 meter intervals. Three samples were collected from each hole at roughly the top, middle, and base of the ironstone interval for bulk density analysis.

All geochemical and bulk density samples were packed in crates and sent to Inspectorate to be analyzed using lithium metaborate fusion analysis for whole-rock analysis, and wax bulk density analysis for bulk density. Geochemical standards were inserted at a rate of 1 standard per hole to check the labs accuracy.

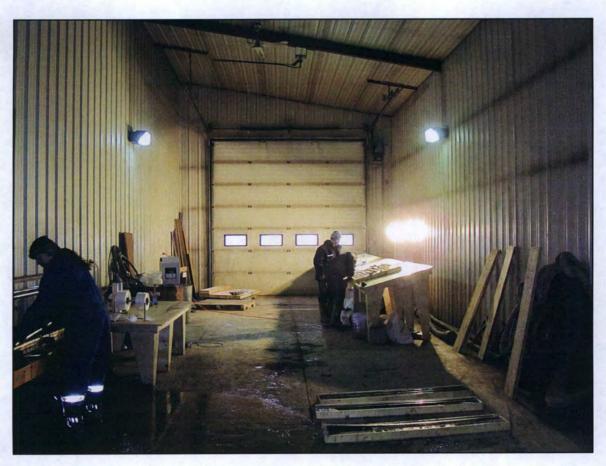


Figure 5: Core cutting, description, and sampling

All core descriptions were completed in footage, and used a set list of descriptors. Core was tested for hardness using the Mohs scale of mineral hardness.

Results Obtained

Drilling Program

The goal of the 2012 drilling program was to define the quality and extent of the Clear Hills ironstone in the southeastern-most corner of the project. Prior to 2011, a total of 16 holes had been drilled targeting the ironstone south of the Rambling Creek block in the previously defined North Whitemud and South

Whitemud River blocks. Out of those 16 holes, only 12 intersected ironstone. From these holes, an historic resource was calculated by Hamilton of approximately 800 million tonnes.

A total of 27 of the 31 holes drilled in early 2012 on the South Whitemud block intersected ironstone. The ironstone in this area is close to the erosional edge of the deposit. Several of the holes drilled encountered ironstone that was extremely friable, and in some cases entirely unlithified (loose ooidal iron sands). Due to this, holes closest to the erosional edge had poor core returns.

Drilling logs and maps are attached in the appendix.

Core Sampling, Description, and Analysis

All core was described and sampled off site at a secure location near Clayhurst, BC. Core was logged by Ironstone exploration staff for all recovered intervals. A sample log is inserted below.

Thickness of Iron 19.7 27.2 ft Fe Core Cut 27.2 Thickness of Lower Zone End of Hole 2420.2 ft Overburden Notes From To Core Cut (ft) Core Recovered RQD Notes		D-IIII Di- N	N- Pr	dius Dia #			
Sounding Depth	,			1		CINI DAA	1
Sounding Depth			_				
Thickness of Upper Zone		GPS E	levation		Collar 2	569.19	
Thickness of Upper Zone Est. Core Point Annual Price Promote		Soundir	ng Depth	149.0	Top Iro	n 2456.0	Base Iron 2428.8
Thickness of Upper Zone Est. Core Point Absolute From To Core Cut (ft) Core Recovered Core No. 1 Core No. 1 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 7 Core No. 8 Core No. 9 Core No. 9 Core No. 10 Core No. 2 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16 Core No. 17 Core No. 17 Core No. 17 Core No. 16 Core No. 16 Core No. 16 Core No. 17 Core No. 16 Core No. 17 Core No. 18 Core No. 18 Core No. 19 Core No. 1			Estima	ted	Actual		
State	Thickness	e Overburder				Eet 58 Sleeve	. 90
Est. Core Point 2486.8 2530.2 ft Core Cut 110.0 Thickness of Iron 19.7 27.2 ft Fe Core Cut 4.8 Fe Core No. 4.8 Fe Core No. 5.0 Fo O. 0.0 Fe Core No. 14.8 Fe Core No. 15.0 Fe Core No. 16.0 Fe Core No. 16.0 Fe Core No. 16.0 Fe Core No. 17.0 Fe Core No. 18.0 Fe Core No. 19.1 Fe Core	Tillokiles	s Overburder	32.2				
Thickness of Iron 19.7 27.2 ft Fe Core Cut 27.2 ft Thickness of Lower Zone End of Hole 2420.2 ft Coverburden Notes From To Core Cut (ft) Core Recovered RQD Notes Core No. 1 39.0 49.0 10.0 4.0 4.0 Glacial Till Core No. 2 49.0 59.0 10.0 5.0 0.0 Gravel/Boulders Core No. 3 59.0 69.0 10.0 4.8 4.8 Shale Core No. 4 69.0 79.0 10.0 4.7 4.7 Shale Core No. 5 79.0 84.0 5.0 4.8 4.8 Shale Core No. 6 0.0 Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Core No. 11 114.0 119.0 5.0 4.7 4.7 ER Core No. 11 114.0 119.0 5.0 4.7 4.7 ER Core No. 12 119.0 124.0 5.0 4.8 4.4 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR cobbles Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 5.0 Shale	Thickness of	Upper Zone			54.1 ft	No. of Core Box	es 6.0
Thickness of Lower Zone End of Hole En	Es	t. Core Point	2486.	.8	2530.2 ft	Core C	ut 110.0 ft
Thickness of Lower Zone End of Hole En	Thick	kness of Iron	19.7		27.2 ft	Fe Core C	ut 27.2 ft
Prom To Core Cut (ft) Core Recovered RQD Notes	Thickness of	Lower Zone					
From To Core Cut (ft) Core Recovered RQD Notes	111101111000 01			_			
From To Core Cut (ft) Core Recovered RQD Notes		End of Hole		_	2420.2 ft		
Core No. 1 39.0 49.0 10.0 4.0 4.0 Glacial Till Core No. 2 49.0 59.0 10.0 5.0 0.0 Gravel/Boulders Core No. 3 59.0 69.0 10.0 4.8 4.8 Shale Core No. 4 69.0 79.0 10.0 4.7 4.7 Shale Core No. 5 79.0 84.0 5.0 4.8 4.8 Shale Core No. 6 0.0 Channel Not Use Shale Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Core No. 10 109.0 114.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0	Overburden Notes						
Core No. 1 Core No. 2 Core No. 3 Core No. 3 Core No. 4 Core No. 5 Core No. 5 Core No. 6 Core No. 7 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 10 Core No. 11 Core No. 12 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 10 Core No. 12 Core No. 12 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16 Core No. 16 Core No. 16 Core No. 16 Core No. 17 Core No. 17 Core No. 17 Core No. 18 Core No. 19 Core No. 10 Core No. 10 Core No. 10 Core No. 11 Core No. 12 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16 Core No. 16 Core No. 17 Core No. 18 Core No. 19 Core No. 19 Core No. 10 Core N							
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 10 Core No. 11 Core No. 12 Core No. 12 Core No. 13 Core No. 13 Core No. 14 Core No. 15 Core No. 15 Core No. 16 Core No. 17 Core No. 16 Core No. 16 Core No. 17 Core No. 16 Core No. 17 Core No. 17 Core No. 17 Core No. 18 Core No. 19 Core No. 19 Core No. 10 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 15 Core No. 16 Core No. 16 Core No. 17 Core No. 18 Core No. 19 Core No. 19 Core No. 10 Core No. 10 Core No. 10 Core No. 10 Core No. 11 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16 Core No. 17 Core No. 18 Core No. 19 Core No. 19 Core No. 10 Core		From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 3 59.0 69.0 10.0 4.8 4.8 Shale Core No. 4 69.0 79.0 10.0 4.7 4.7 Shale Core No. 5 79.0 84.0 5.0 4.8 4.8 Shale Core No. 6 0.0 0.0 Channel Not Use Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains) Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.8 4.4 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 15 134.0 139.0 5.0 1.1<	Core No. 1	39.0	49.0	10.0	4.0	4.0	Glacial Till
Core No. 4 69.0 79.0 10.0 4.7 4.7 Shale Core No. 5 79.0 84.0 5.0 4.8 4.8 Shale Core No. 6 0.0 0.0 Channel Not Use Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains) Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 16 139.0 144.0 5.0	Core No. 2	49.0	59.0	10.0	5.0	0.0	
Core No. 5 79.0 84.0 5.0 4.8 4.8 Shale Channel Not Use Shale Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Shale -> IR Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.8 4.4 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 3	59.0	69.0	10.0	4.8	4.8	Shale
Core No. 6 0.0 Channel Not Use Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Shale -> IR Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 3.6 3.5 Shale Core No. 16 139.0 144.0 5.0 5.0 5.0 Shale Core No. 17 144.0 149.0 5.0	Core No. 4	69.0	79.0	10.0	4.7	4.7	Shale
Core No. 7 84.0 94.0 10.0 1.5 1.4 Shale Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Shale -> IR Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 5.0 5.0 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 5.0	Core No. 5	79.0	84.0	5.0	4.8	4.8	
Core No. 8 94.0 104.0 10.0 0.9 0.9 Shale Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron stains Shale -> IR Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 5.0 5.0 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 6			0.0			Channel Not Used
Core No. 9 104.0 109.0 5.0 5.0 5.0 Shale (Iron staint Shale -> IR Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 7	84.0	94.0	10.0	1.5	1.4	Shale
Core No. 10 109.0 114.0 5.0 4.1 4.0 Shale -> IR Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR R IR IR IR IR IR IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 8	94.0	104.0	10.0	0.9	0.9	Shale
Core No. 11 114.0 119.0 5.0 4.7 4.7 IR Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 9	104.0	109.0	5.0	5.0	5.0	Shale (Iron stained)
Core No. 12 119.0 124.0 5.0 4.2 3.5 IR Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 10	109.0	114.0	5.0	4.1	4.0	Shale -> IR
Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 11	114.0	119.0	5.0	4.7	4.7	IR
Core No. 13 124.0 129.0 5.0 4.8 4.4 IR Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 12	119.0	124.0	5.0	4.2	3.5	IR
Core No. 14 129.0 134.0 5.0 2.0 0.9 IR -> broken up I Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 13				_		IR
Core No. 15 134.0 139.0 5.0 1.1 0.0 IR cobbles Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 14	129.0				0.9	IR -> broken up IR
Core No. 16 139.0 144.0 5.0 3.6 3.5 Shale Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 15						IR cobbles
Core No. 17 144.0 149.0 5.0 5.0 5.0 Shale	Core No. 16						Shale
	Core No. 17						Shale
TOTAL 110.0 60.2 51.6			TOTAL	110.0	60.2	51.6	
% Recovery 54.7% 46.9%				% Recover			Ī
		Chala diana	tly overlying	The state of the s		.5.070	
Coring Comments Shale directly overlying ironstone. Gravel/Boulder seam at 49'-59' depth (separates glacial till from marine shales).				i ii oliatolie.			

Figure 6: Core Log

Core was described by Ironstone geologists on-site. A standard set of descriptors was employed over all intervals recovered. A sample core description log follows.

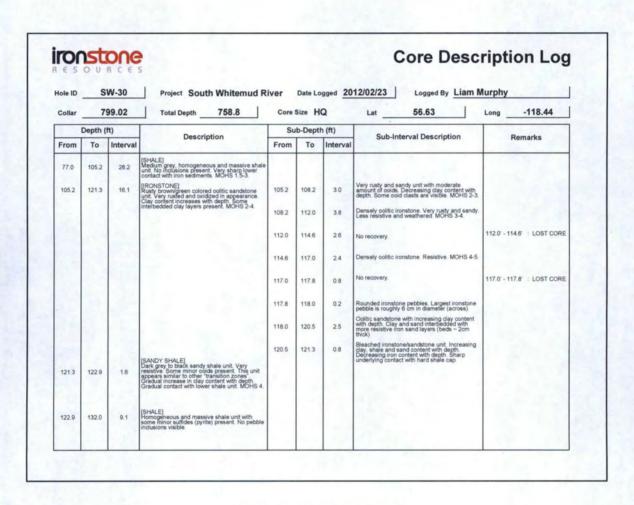


Figure 7: Core Description

Core was sampled in 0.5 meter composites for geochemical analysis, and 1 meter intervals for metallurgical work. On average, 3 bulk density samples were sampled per hole from the top, middle and bottom of the ironstone. In addition, 1 iron ore standard was inserted per hole for quality assurance, and approximately 1 duplicate sample was inserted per hole. A representative geochemistry sample log follows.

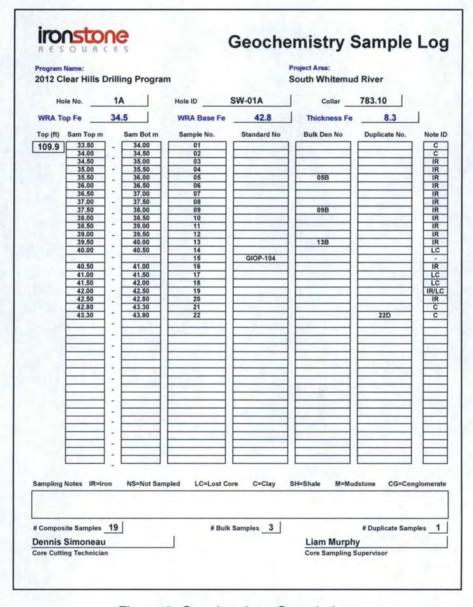


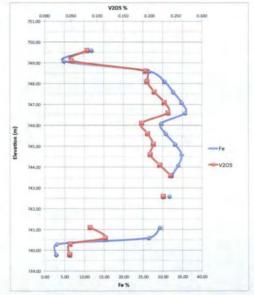
Figure 8: Geochemistry Sample Log

All geochemical and bulk density samples were sent to Inspectorate for analysis. Samples were shipped to Inspectorate at the beginning of June 2012, and all analyses were completed by mid-July 2012. Geochemical and bulk density data received from Inspectorate was organized by hole and is attached in the appendix. A sample of the geochemical and bulk density analyses follows.

Analyte Symbol	Al203	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	NaZO	Ni	P	5	SiO2	TiO2	V205	Zn	Zr	Total	LOI	Depth	Depth	Elevation	Elevation
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	m	m	m	m
Detection Limit	A STATE OF	(C. C. C. C.			1000000	10000	42776-		SECTION AND		A-01-31						Charles Hall			1 50	From	To	From	To
Analysis Method	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	Sample Top	ample Bottos	Sample Top	Sample Bottom
SW 01A 01	12.11	0.07	1.32	0.025	0.004	11.97	2.234	1.42	0.043	0.33	0.004	0.223	0.566	53.56	0.624	0.081	0.023	< 0.01	93.38	8.77	33.50	34.00	749.60	749.10
SW 01A 02	14.94	0.09	0.91	0.018	0.003	4.90	2.891	1.46	0.008	0.45	0.003	0.067	0.534	62.71	0.837	0.051	0.012	< 0.01	96.40	6.53	34.00	34.50	749.10	748.60
SW 01A 03	8.50	0.05	1.68	0.038	0.007	26.64	1.109	1.29	0.050	0.13	0.010	0.362	0.646	36.15	0.343	0.193	0.053	< 0.01	88.18	10.94	34.50	35.00	748.60	748.10
SW 01A 04	7.04	0.04	2.07	0.037	0.008	30.57	0.896	1.41	0.122	0.12	0.010	0.535	0.491	29.94	0.285	0.195	0.059	< 0.01	86.43	12.62	35.00	35.50	748.10	747,60
SW 01A 05	6.38	0.04	1.97	0.031	0.007	32.74	0.743	1.35	0.120	0.11	0.010	0.563	0.242	26.66	0.232	0.209	0.065	<0.01	84.62	13.17	35.50	36.00	747.60	747.10
SW 01A 06	6.25	0.04	1.70	0.032	0.009	34.86	0.652	1.31	0.096	0.10	0.013	0.563	0.187	25.86	0.213	0.228	0.063	< 0.01	84.54	12.37	36.00	36.50	747.10	746.60
SW 01A 07	6.23	0.03	1.08	0.034	0.008	35.75	0.619	1.27	0.103	0.09	0.016	0.475	0.089	25.98	0.201	0.235	0.064	< 0.01	84.34	12.07	36.50	37.00	746.60	746.10
SW 01A 08	7.41	0.05	0.97	0.027	0.007	29.66	0.930	1.22	0.065	0.10	0.014	0.425	0.161	35.02	0.319	0.185	0.050	< 0.01	86.31	9.70	37.00	37.50	746.10	745.60
SW 01A 09	7.19	0.11	1.70	0.026	0.007	30.83	0.810	1.48	0.089	0.11	0.011	0.566	0.139	31.63	0.290	0.196	0.057	<0.01	86.17	10.93	37.50	38.00	745.60	745.10
SW 01A 10	6.86	0.03	1.77	0.028	800.0	33.19	0.703	1.56	0.067	0.10	0.013	0.508	0.337	28.89	0.257	0.207	0.061	< 0.01	85.56	10.99	38.00	38.50	745.10	744.60
SW 01A 11	6.17	0.03	2.23	0.024	0.008	34.86	0.589	1.55	0.080	0.10	0.011	0.712	0.257	25.99	0.220	0.201	0.058	< 0.01	84.30	11.22	38.50	39.00	744.60	744.10
SW 01A 12	5.73	0.02	2.59	0.027	0.007	33.99	0.466	1,85	0.096	0.10	0.013	0.709	0.173	25.95	0.178	0.219	0.064	<0.01	84.71	12.53	39.00	39.50	744.10	743.60
SW 01A 13	5.81	0.03	2.45	0.032	0.008	32.29	0.419	2.38	0.080	0.11	0.017	0.483	0.708	27.63	0.163	0.240	0.074	< 0.01	86.07	13.16	39.50	40.00	743.60	743.10
SW 01A 14 Lost Core																					40.00	40.50	743.10	742.60
SW 01A 15 CRM	0.54	<0.01	2.19	0.004	0.009	29.94	0.039	2.50	0.077	0.02	0.003	0.106	0.235	53.01	0.004	< 0.001	0.005	<0.01	87.50	0.00			-	
SW 01A 16	5.47	0.04	3.34	0.029	0.007	31.74	0.397	2.16	0.108	0.11	0.014	0.762	0.187	26.19	0.153	0.226	0.059	<0.01	85.17	14.18	40.50	41.00	742.60	742.10
SW 01A 17 Lost Core																					41.00	41.50	742.10	741.60
SW 01A 18 Lost Core				1																	41.50	42.00	741.60	741.10
SW 01A 19	4.19	0.03	3.68	0.015	0.005	29.29	0.665	1.97	0.204	0.13	0.006	0.643	0.168	25.23	0.182	0.086	0.031	<0.01	85.68	19.16	42.00	42.50	741.10	740.60
SW 01A 20	5.55	0.04	4.15	0.021	0.006	26.48	0.808	2.04	0.181	0.17	0.009	0.775	0.200	27.94	0.231	0.115	0.048	<0.01	86.93	18.18	42.50	42.80	740.60	740.30
SW 01A 21	15.97	0.08	0.62	0.021	0.003	3.01	2.936	1.40	800.0	0.47	0.002	0.097	0.415	65.33	0.896	0.048	0.011	<0.01	97.40	6.09	42.80	43.30	740.30	739.80
SW 01A 22	15.65	0.08	0.49	0.018	0.002	2.87	2.900	1.35	0.007	0.47	0.001	0.068	0.454	66.27	0.891	0.047	0.011	< 0.01	97.29	5.71	43.30	43.80	739.80	739.30
SW 01A 22D	15.73	0.08	0.55	0.021	0.003	2.95	2.910	1,34	0.008	0.47	0.003	0.070	0.514	66.39	0.886	0.047	0.013	<0.01	97.70	5.70	43.30	43.80	739.80	739.30
Averages (Fe >25%)																								1000000

Analyte Symbol	Density	Depth	Depth	Elevation	Elevation
Unit Symbol	g/cm3	m	m	m	m
Detection Limit	1000	From	To	From	To
Analysis Method	GRAV	Sample Top	ample Botto	Sample Top	ample Botto
SW 01A 05B	2.76	35.50	36.00	747.60	747.10
SW 01A 09B	2.01	37.50	38.00	745.60	745.10
SW 01A 13B	2.11	39.50	40.00	743.60	743.10

Г	Depth	Elevation
WRA Top Fe (m) =	34.50	748.60
WRA Base Fe (m) =	42.80	740.30
Thickness Fe (m) =	8.30	8.30
Grade Fe (%) =	31.64	31.64
Grade V2O5 (%) =	0.195	0.195



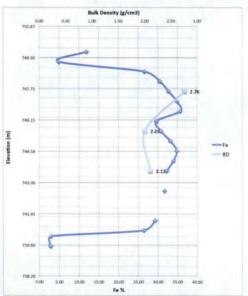


Figure 9: Geochemistry Results

Geology

Following geochemical analysis, Ironstone geologists updated geologic maps with the new data. The deposit extends from north of Rambling Creek, through the North Whitemud block, and down to the 2012 South Whitemud drilling area which indicates a very large under–explored area in between the previously drilled areas. Attached below is a map showing the various drilling areas over the project along with total iron isopach using a 20% Fe cut–off.

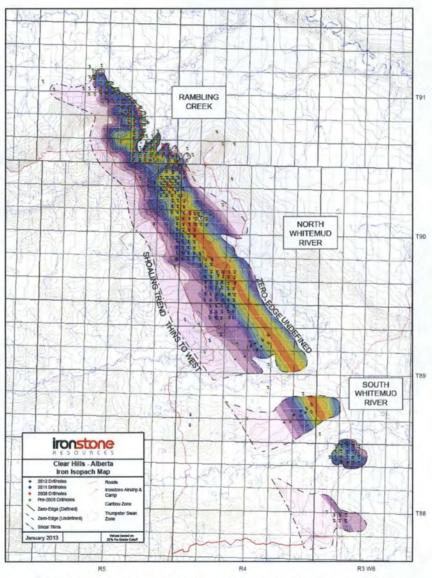


Figure 10: Isopach Map (Larger version in Appendix C)

Conclusion

The most significant work completed during this assessment period was the 2012 South Whitemud River drilling program. This program allowed for 31 holes to be drilled at the southeastern-most corner of the Clear Hills project. The identification of ironstone at this location has allowed the deposit to be mapped over 30 kilometers along its depositional trend. This may allow for a bulk sample pit to be permitted closer to a planned demonstration pilot plant outside Hines Creek, AB.

Geologically, the most striking difference between the ironstone recovered in the South Whitemud block compared to the North Whitemud block is the presence of extreme weathering. The geochemistry of the deposit varies slightly from the averages of the North Whitemud block. This could be due to a combination of differing sedimentology, differing grade, or alteration from weathering.

In the future, this portion of the Clear Hills deposit may be added to the compliant resource total as calculated by SRK however there are no immediate plans to do so.

Author

Andrew Reader, B.Sc., Geologist, Exploration and Development, of Ironstone Resources, is the author of this report.

Mr. Reader graduated from the University of Calgary in April 2011 with a Bachelor of Science degree in Geology. He has worked for Ironstone Resources since May 2010, and has been involved in the mapping, planning, and drilling of the Clear Hills iron deposit throughout this time. Mr. Reader completed his undergraduate thesis on the Clear Hills iron deposits in 2011. Mr. Reader is currently a member in training with the Association of Professional Engineers, and Geoscientists of Alberta (APEGA).

References

- 1. Bertram, E.F. and G.B. Mellon (1975) "Peace River Iron Deposits", Information Series 75, Alberta Research Council, Edmonton, Alberta, 30pp.
- 2. Gravenor, C.P. (1962) "Peace River Iron Deposits" in Samis, C.S. and J. Gregory "the Reduction of Clear Hills Iron Ore by the R N Process", Research Council of Alberta Information Series No. 40, Edmonton, Alberta, 35pp.
- 3. Edgar, N.S. (1962) "Iron Prospecting Permit No. 17", Unpublished, File No. 102510 (Economic Minerals Branch, Alberta Department of Mines and Minerals File Report No. FE-AF-017(01). 15pp, 1 Appendix.
- 4. Boyle, R.W. (1979) "The Geochemistry of Gold and its Deposits", Geological Survey of Canada Bulletin 280
- 5. Hamilton, W.N. (1980) "Clear Hills Iron Deposit Geology, Mineralogy and Ore Reserves", Geological Survey Department, Alberta Research Council Report 1982 13, Edmonton, Alberta 43pp.
- 6. Kidd, Donald J. (1959) "Iron Occurrences in die Peace River Region, Alberta", Preliminary Report 59 3, Research Council of Alberta, Geological Division, Edmonton, Alberta 38pp.
- 7. Petruk, W., I.B. Klymowsky and G.O. Hayslip (1977) "Mineralogical Characteristics and Beneficiation of an Oolitic Iron Ore from the Peace River District, Alberta", Canadian Mining and Metallurgical Bulletin, October, 1977 pp. 1 10.
- 8. Petruk, W., D.M. Farrell, E.E. Laufer, R.J. Tremblay and P.G. Manning (1977) "Nontronite and Ferruginous Opal from the Peace River Iron Deposit in Alberta, Canada. Canadian Mineralogist, Vol. 15, pp. 1421.
- 9. Petruk, W. (1977) "Mineralogical Characteristics of an Oolitic Iron Deposit in the Peace River District, Alberta" Canadian Mineralogist Vol. 15, pp. 3-13.
- 10. Jones, Brian and Q.H. Goodbody (1984) "Biological Factors in the Formation of Quiet-Water Ooids", Bull. Canadian Petroleum Geol., Vol. 32:2, p. 190 200.

- 11. Mikhail, S.A., A.M. Turcotte, A.L. Putz, S. Kuyucak, M.T. Shehata, PJ.A. Prud'homme, and A. Demers (1996) "Preliminary Evaluation of Clear Hills Iron Ore", Mining and Mineral Sciences Laboratories, CANMET, Ottawa Report NIMSI, 96 41 (CR), 13 pp.
- 12. R.A. Olson, D.R. Eccles, C.J. Collom (1999), "A Study of Potential Co-Product Trace Elements Within the Clear Hills Iron Deposits, Northwestern Alberta", AGS Special Report 08.
- 13. R.A. Olson, J.A. Weiss and E.J. Alesi (2006), "Digital Compilation of Ooidal Ironstone and Coal Data, Clear Hills Smoky River Region, Northwestern Alberta", EUB/AGS Geo-Note 2005-05
- 14. Caplan, B.R. (2008) "Clear Hills Project (NTS84D)" Alberta Department of Energy: Mineral Assessment Report, Report Code: MIN20080020
- 15. Donaldson, S.W. (1997) "The Sedimentology, Stratigraphy and Diagenesis of the Upper Cretaceous Bad Heart Formation, NW Alberta. Ph.D Thesis, University of Western Ontario" 492p
- 16. Donaldson, S.W., Plint, A.G., Longstaffe, F.J. (1999) "Tectonic and eustatic control on deposition and preservation of Upper Cretaceous ooidal ironstone and associated facies: Peace River Arch area, NW Alberta, Canada", Sedimentology, 46: 1159–1182
- 17. Caplan, B.R. (2010) "Clear Hills Project" Alberta Department of Energy: Mineral Assessment Report
- 18. Caplan, B.R. (2012) "Clear Hills Project" Alberta Department of Energy: Mineral Assessment Report



ASSESSMENT WORK

PART "C" TECHNICAL APPENDICES

METALLIC AND INDUSTRIAL MINERALS PERMIT NUMBERS

9312060404	9312060405	9312060406
9312060407		9312060410

CLEAR HILLS PROJECT

IRONSTONE RESOURCES LTD.

COVERING THE PERIOD

JANUARY 1, 2012 to JANUARY 1, 2013

SUBMITTED BY

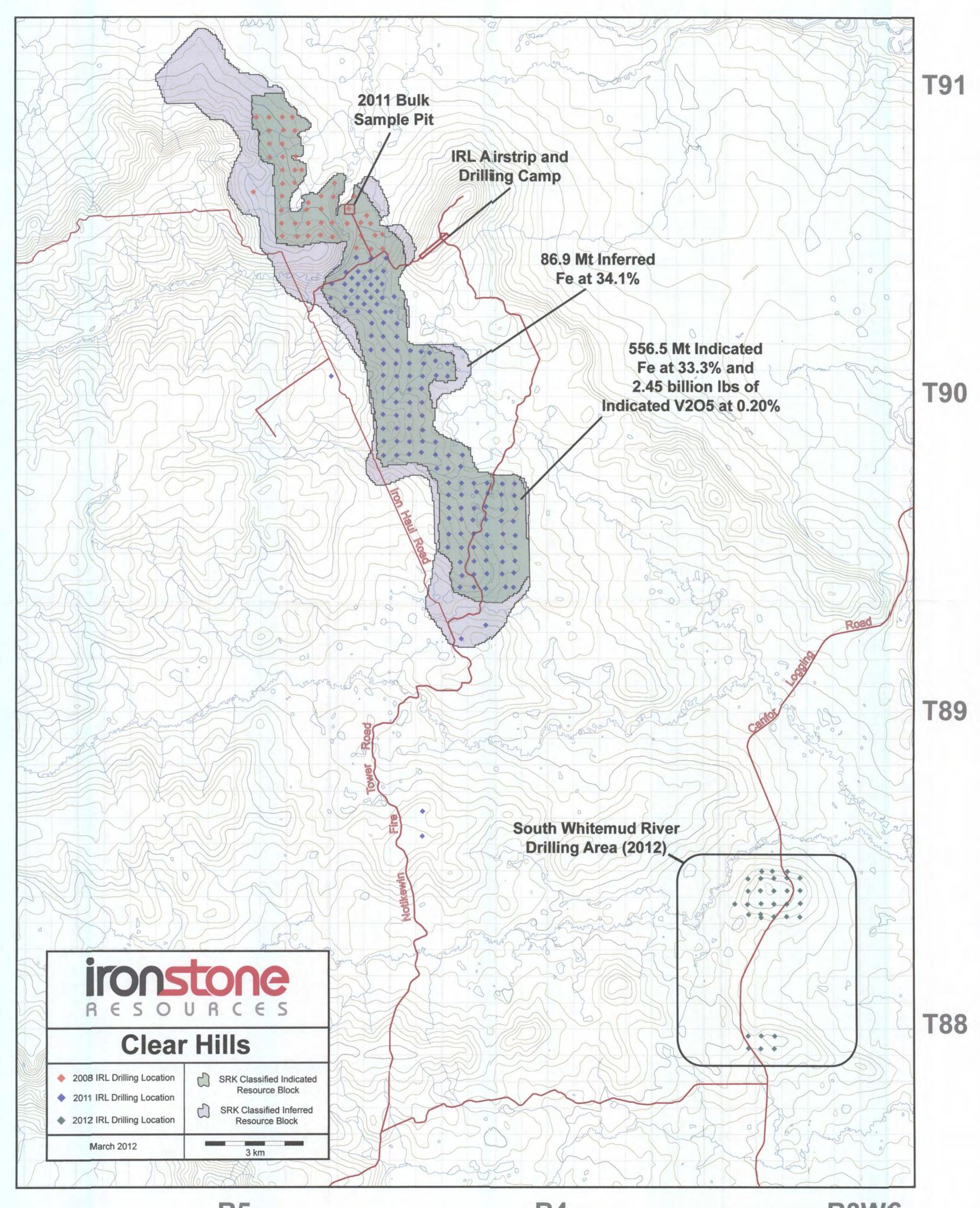
ANDREW READER, B.Sc. GEOLOGIST, EXPLORATION & DEVELOPMENT

JUNE 15, 2014



2012 South Whitemud Drilling Program

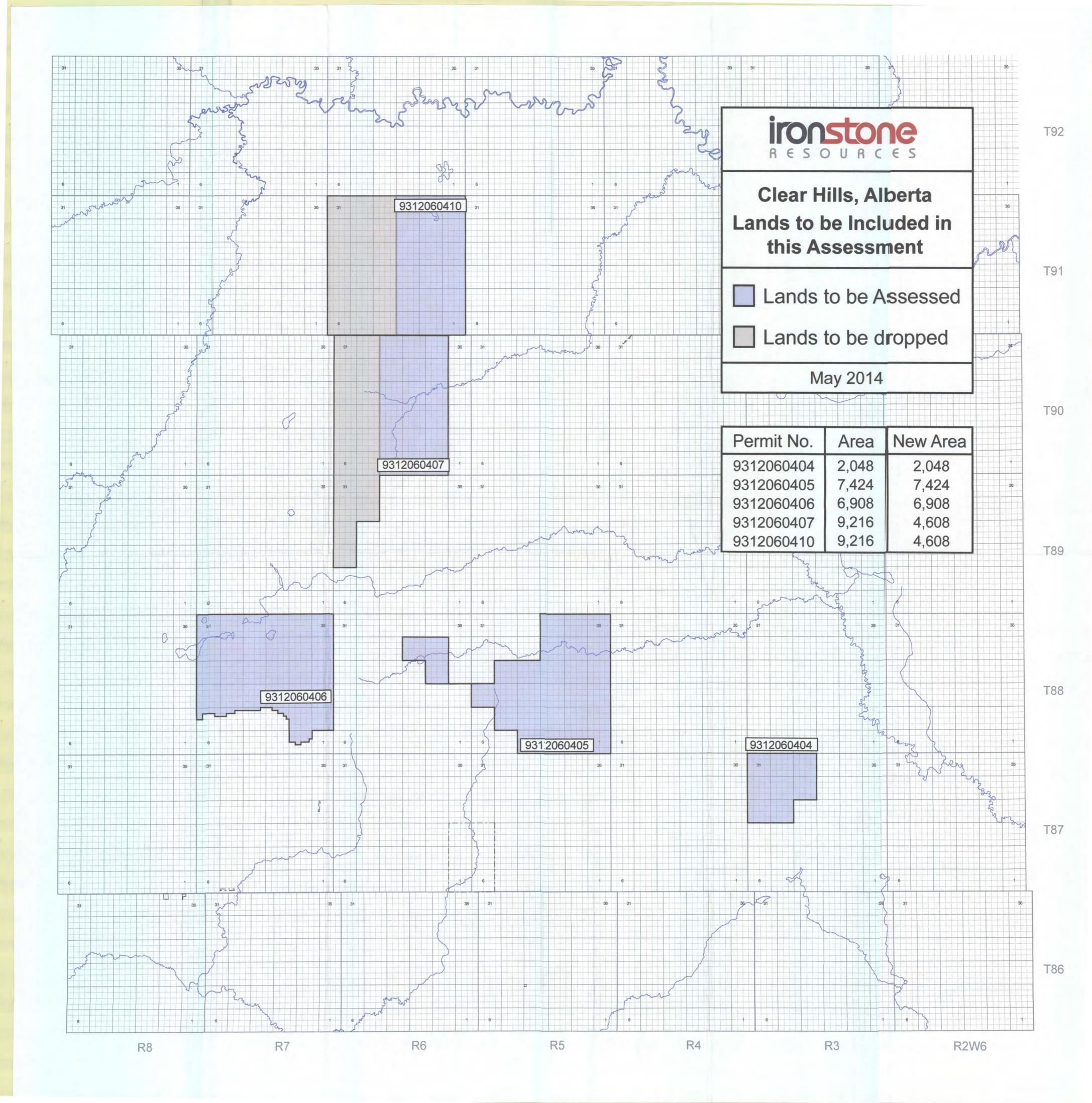
Project Map



R5 R4 R3W6

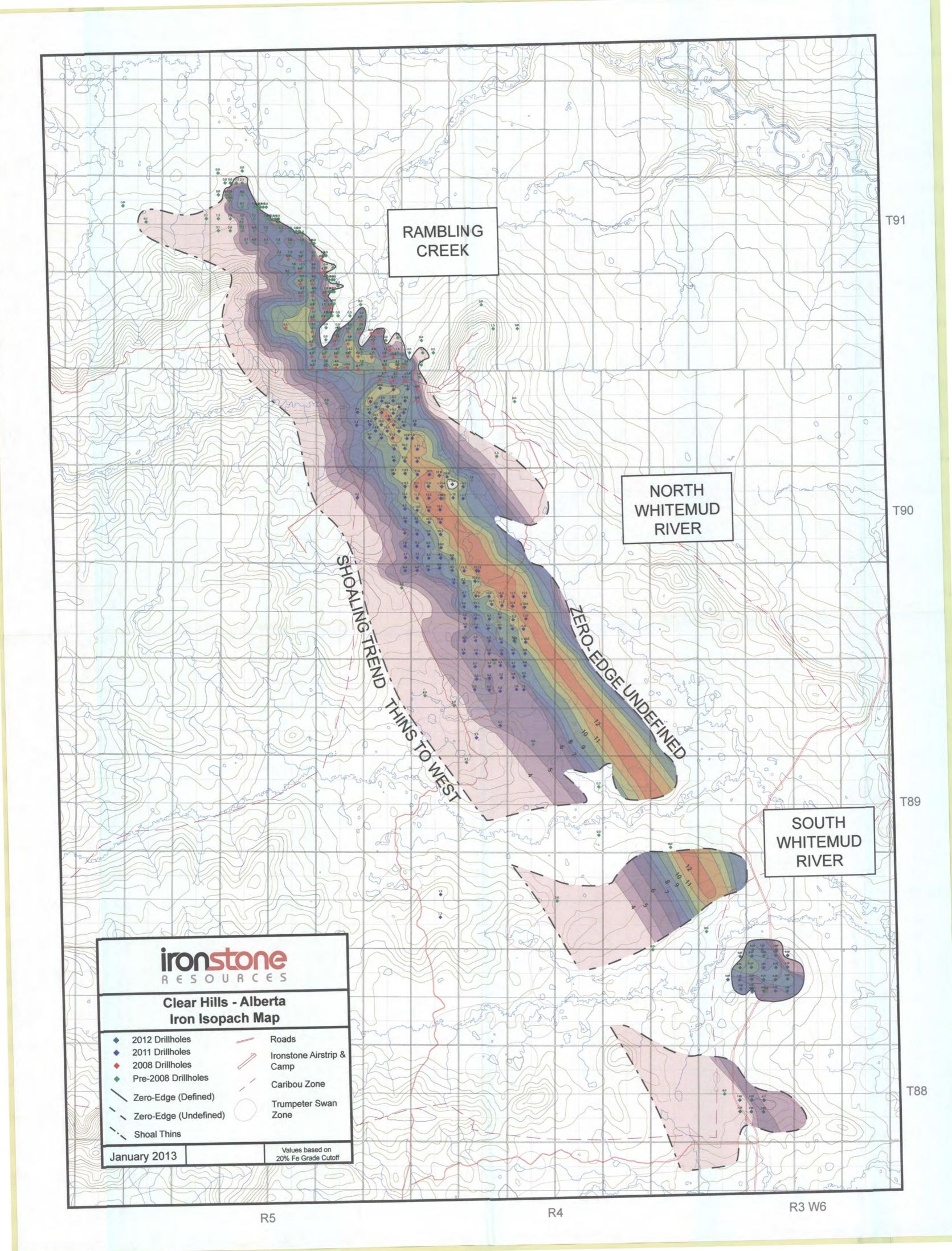


Assessment Permit Map





Clear Hills Iron Isopach Map





2012 South Whitemud Drilling Program

Borehole Coordinates

Project Area	Hole ID	Easting (NAD83)	Northing (NAD83)	Longitude	Latitude	Elevation
South Whitemud River	SW-01A	411238.23	6283005.80	-118.4489037	56.6827094	783.10
South Whitemud River	SW-02A	411569.66	6283003.20	-118.4434948	56.6827489	778.92
South Whitemud River	SW-03A	412040.90	6282985.57	-118.4357991	56.6826794	778.79
South Whitemud River	SW-04	410804.44	6282781.77	-118.4559045	56.6806147	785.44
South Whitemud River	SW-05	411202.54	6282788.66	-118.4494113	56.6807524	798.71
South Whitemud River	SW-06	411612.87	6282785.36	-118.4427149	56.6808006	796.02
South Whitemud River	SW-07	412018.93	6282790.19	-118.4360908	56.6809206	790.30
South Whitemud River	SW-08	412425.96	6282780.92	-118.4294463	56.6809138	785.40
South Whitemud River	SW-09	410795.43	6282404.52	-118.4559208	56.6772249	798.97
South Whitemud River	SW-10	411180.30	6282410.66	-118.4496437	56.6773534	806.07
South Whitemud River	SW-11	411602.67	6282393.46	-118.4427467	56.6772790	808.13
South Whitemud River	SW-12	412016.49	6282388.83	-118.4359935	56.6773155	803.74
South Whitemud River	SW-13	412414.77	6282390.75	-118.4294960	56.6774076	797.01
South Whitemud River	SW-14	410368.07	6282014.73	-118.4627575	56.6736425	782.15
South Whitemud River	SW-15	410762.32	6281993.37	-118.4563186	56.6735260	796.58
South Whitemud River	SW-16	411191.85	6282009.58	-118.4493169	56.6737535	808.24
South Whitemud River	SW-17	411590.33	6281991.43	-118.4428100	56.6736659	801.40
South Whitemud River	SW-18	411992.26	6281977.84	-118.4362483	56.6736197	800.04
South Whitemud River	SW-19	412412.14	6281993.37	-118.4294038	56.6738381	788.06
South Whitemud River	SW-20R	410796.84	6281688.71	-118.4556498	56.6707964	785.74
South Whitemud River	SW-21	411183.59	6281589.53	-118.4493068	56.6699793	779.55
South Whitemud River	SW-21R	411170.42	6281686.21	-118.4495550	56.6708451	785.90
South Whitemud River	SW-22	411583.64	6281605.81	-118.4427867	56.6702014	789.15
South Whitemud River	SW-23	411980.20	6281601.55	-118.4363165	56.6702380	782.14
South Whitemud River	SW-24	412389.20	6281581.93	-118.4296381	56.6701386	774.95
South Whitemud River	SW-25	410684.70	6277956.51	-118.4561863	56.6372558	794.11
South Whitemud River	SW-26	411094.53	6277952.17	-118.4495054	56.6372949	799.66
South Whitemud River	SW-27	411513.75	6277934.29	-118.4426668	56.6372137	802.61
South Whitemud River	SW-28	410684.26	6277578.03	-118.4560625	56.6338566	792.78
South Whitemud River	SW-29	411068.58	6277558.70	-118.4497928	56.6337562	790.66
South Whitemud River	SW-30	411490.72	6277548.54	-118.4429099	56.6337449	799.02



2012 South Whitemud Drilling Program

Drilling Reports



Drilling Report

	Program Name: 2012 C	Clear Hills D	rilling Program	Project Ar	ea: South	Whiten	nud River	
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
	1		6W-01	4	5	89	3	W6M
ON	LAT 56.68452320		ONG 44906860		32.40		NORTH 6283207.	
AT	Map Elevation (m)		levation (m)	4112		RVEY B		09
LOCATION	wap Lievation (m)		72.34	N	cElhanne			
				'S REMARKS	1			
	Only Pre-Survey cor	npleted as t	his survey was	not drilled -	No Post-C	ollar Su	irvey Com	pleted
	DRILL RIG N	AME & NUN	MBER	DR	RILLING SU Howa	JPERIN		
	Move In Date	Move	e In Time	Spud	Date		Spud Tir	ne
DRILLING	Move Out Date	Move	Out Time	End Drill	ling Date	E	nd Drilling	Time
DRIL	V	Veather Con	ditions		Temp	Total	Drilling T	ime (Hr
	AND DESCRIPTION OF THE PARTY OF		DRILLER'S	REMARKS				
	THIS LOCATION WA	S NOT DRIL		REMARKS				
	THIS LOCATION WA				r: N/A		/ N/A	
			LED		er: N/A Act. Thic	ck	/ N/A Est. 5-ft (Cores
		led So	LLED ounding	Drille		ck		Cores
	Casing Set Pul	led So	LED ounding Act. Top	Drille Est. Thick		ck	Est. 5-ft (
	Casing Set Pul Overburden	led So Est. Top 751.0	LED ounding Act. Top	Drille Est. Thick 24.3		ck	Est. 5-ft (
	Overburden Upper Shale Iron Core Point BH / Ironstone	Test. Top 751.0 748.0	LED ounding Act. Top	Drille Est. Thick			Est. 5-ft (ut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Test. Top 751.0 748.0 742.0	LED ounding Act. Top	Est. Thick 24.3	Act. Thic	F	Est. 5-ft (9.0 Fe Core C	ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Test. Top 751.0 748.0	LED ounding Act. Top	Drille Est. Thick 24.3		F	Est. 5-ft (9.0 Fe Core C	ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Test. Top 751.0 748.0 742.0	LED ounding Act. Top	Est. Thick 24.3 6.0 Total Drilled	Act. Thic	F	Est. 5-ft (9.0 Fe Core C	ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	751.0 748.0 742.0 737.0	Act. Top 772.34 Bottom Iro	Est. Thick 24.3 6.0 Total Drilled	Act. Thic	F	Est. 5-ft (9.0 Fe Core C e Recover e Core Re	ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone	751.0 748.0 742.0 737.0	Act. Top 772.34 Bottom Iro	Est. Thick 24.3 6.0 Total Drilled	Act. Thic	F	Est. 5-ft (9.0 Fe Core C e Recover	red (m) ec'vd % ore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	751.0 748.0 742.0 737.0	Act. Top 772.34 Bottom Iro	Est. Thick 24.3 6.0 Total Drilled	Act. Thic	F	Est. 5-ft (9.0 Fe Core C e Recover e Core Re est./Act Co	red (m) ec'vd % ore Box



Drilling Report

		lear fills D	rilling Progran	n Project Are	a: South	Whitem	lud River	
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
	1A		W-01A	13	32	88	3	W6M
LOCATION	LAT		ONG	EA			NORTH	
AT	56.68270940		44890370	4112		OVEV D	6283005.	80
0	Map Elevation (m)		levation (m) 83.10	M	cElhanne	RVEY BY		
1		·		'S REMARKS	o E mamilo	, Lana	July 10 yo	
	DRILL RIG NA	AME & NUN	MBER	DR		JPERIN'	TENDENT	
	Move In Date	No. of the last of	e In Time	Spud 2012/			Spud Tir 11:30 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/		Er	nd Drilling 12:00 P	
DRI	W	eather Con mild	ditions		Temp -10.0	Total	Drilling T 12.5	ime (Hı
			DRILLER'S	SREMARKS				
	Casing Set Pull	ed X Se			r: Billy Ba	artlett	/ Chris Ju	unkins
		ed X Se	ounding 4	5.4 Drille	Act. Thi	ck	Est. 5-ft (
	Overburden		Act. Top 783.10	5.4 Drille	Act. Thi	ck		
	Overburden Upper Shale	Est. Top	Act. Top 783.10 765.1	5.4 Drille	Act. Thi	ck	Est. 5-ft (9.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	758.0	Act. Top 783.10 765.1 771.2	Est. Thick 28.1	Act. Thi 18.0 16.5	ck	Est. 5-ft (Cores
	Overburden Upper Shale Iron Core Point BH / Ironstone	758.0 755.0	Act. Top 783.10 765.1 771.2 748.6	5.4 Drille	Act. Thi	ck	Est. 5-ft (9.0 Fe Core C 8.3 e Recover	Cores out (m) red (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	758.0 755.0 749.0	Act. Top 783.10 765.1 771.2 748.6 740.3	Est. Thick 28.1 6.0	Act. Thi 18.0 16.5	ck	Est. 5-ft (9.0 Fe Core C 8.3	Cores out (m) red (m)
)LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	758.0 755.0	Act. Top 783.10 765.1 771.2 748.6	Est. Thick 28.1	Act. Thi 18.0 16.5	ck	Est. 5-ft (9.0 Fe Core C 8.3 e Recover 5.4	Cores Fut (m) red (m)
3EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	758.0 755.0 749.0	Act. Top 783.10 765.1 771.2 748.6 740.3	Est. Thick 28.1 6.0 Total Drilled	Act. Thi 18.0 16.5	ck	Est. 5-ft (9.0 Fe Core C 8.3 e Recover	Cores Fut (m) Fred (m) Fred 'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	758.0 755.0 749.0 744.0 748.60 osses, etc.)	Act. Top 783.10 765.1 771.2 748.6 740.3 737.7 Bottom Iro	Est. Thick 28.1 6.0 Total Drilled onstone 74	Act. Thi 18.0 16.5 8.3 45.4	ck F	Est. 5-ft (9.0 Fe Core C 8.3 e Recover 5.4	cores fut (m) red (m) ec'vd % ore Box 6
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L Shale directly overlyi Gravel/Boulder seam	758.0 755.0 749.0 744.0 748.60 osses, etc.) ng ironstor at 49'-59' o	Act. Top 783.10 765.1 771.2 748.6 740.3 737.7 Bottom Iro	Est. Thick 28.1 6.0 Total Drilled onstone 74 es glacial till fr	Act. Thi 18.0 16.5 8.3 45.4 0.31	ck F	Est. 5-ft (9.0 Fe Core C 8.3 e Recover 5.4 e Core Re 64.79 st./Act Co 3 Sample	cores fut (m) red (m) ec'vd % ore Box 6



	Program Name: 2012 C	lear Hills Drilling Progran	Project Area:	South V	hitem	ud River	
	Hole No. Re-Drill				TWP	RNG	MER
	2	SW-02	3	5	89	3	W6M
<u>S</u>	LAT 56.68457350	LONG -118.44234570	EAST 411644.			NORTH 6283204.	
AT	Map Elevation (m)		411044.		EY BY		19
LOCATION	wap Lievation (iii)	768.31	McE	Ihanney			
			'S REMARKS				
	Only Pre-Survey con	npleted as this survey was	s not drilled - No	Post-Co	lar Sur	vey Com	pleted
		AME & NUMBER N/A	DRILL	ING SUF		ENDENT	Y Z
	Move In Date	Move In Time	Spud Da	ate		Spud Tir	ne
DRILLING	Move Out Date	Move Out Time	End Drilling	Date	En	d Drilling	Time
DRIL	W	leather Conditions		Temp	Total I	Orilling Ti	ime (Hrs
						1777	
		DRILLER'S	REMARKS				
	THIS LOCATION WA		REMARKS				
	THIS LOCATION WAS	S NOT DRILLED	Driller:	N/A		/ N/A	
		S NOT DRILLED	Driller:	N/A	_	N/A Est. 5-ft 0	ores
		S NOT DRILLED led Sounding	Driller:		_		
	Casing Set Pull	ed Sounding Est. Top Act. Top 768.31	Driller: Est. Thick A			Est. 5-ft C	
	Overburden Upper Shale Iron Core Point	S NOT DRILLED ded Sounding Est. Top Act. Top 768.31	Driller: Est. Thick A 19.3			Est. 5-ft 0	
	Overburden Upper Shale	S NOT DRILLED ded Sounding Est. Top Act. Top 768.31 752.0 749.0	Driller: Est. Thick A		F	Est. 5-ft 0	ut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	S NOT DRILLED ded Sounding Est. Top Act. Top	Driller: Est. Thick A 19.3	ct. Thick	F	Est. 5-ft 0 10.0 e Core C	ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	S NOT DRILLED ded Sounding Est. Top Act. Top 768.31 752.0 749.0	Driller: Est. Thick A 19.3		Fe	Est. 5-ft 0 10.0 e Core C	ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	S NOT DRILLED ded Sounding Est. Top Act. Top	Driller: Est. Thick A 19.3 7.0 Total Drilled	ct. Thick	Fe	Est. 5-ft 0 10.0 e Core C	ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	S NOT DRILLED ded Sounding Est. Top Act. Top	Driller: Est. Thick A 19.3 7.0 Total Drilled	ct. Thick	Fe Fe	Est. 5-ft 0 10.0 e Core C	ut (m) red (m) c'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	S NOT DRILLED ded Sounding Est. Top Act. Top	Driller: Est. Thick A 19.3 7.0 Total Drilled	ct. Thick	Fe Fe	Est. 5-ft C 10.0 e Core C Recover Core Re	ut (m) red (m) c'vd % re Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	S NOT DRILLED ded Sounding Est. Top Act. Top	Driller: Est. Thick A 19.3 7.0 Total Drilled	ct. Thick	Fe Fe	Est. 5-ft C 10.0 Te Core C Recover Core Re	ut (m) red (m) c'vd % re Box



	Program Name: 2012 C	lear Hills D	rilling Program	Project Arc	ea: Souti	vvnitei	nud River	
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
	2A		W-02A	14	32	88	3	W6M
ON	LAT		ONG		ST		NORTH	
ATI	56.68274890		44349480	4115	69.66		6283003	.2
LOCATION	Map Elevation (m)		levation (m)			RVEY B		
7		,	78.92 SURVEYOR	'S REMARKS	cElhanne	ey Land	Surveys	
	DRILL RIG NA		/IBER	DR			ITENDENT	
	Move In Date	us Rig #1	e In Time	Spud	Date	ard Har	ger Spud Tir	ne
	Wove III Date	WOV	o III TIIIIC		02/19		03:30 P	
DRILLING	Move Out Date	Move	Out Time		ing Date 02/20	E	nd Drilling 01:30 A	
M		eather Con			Temp	Tota	I Drilling T	ime (Hrs
-			ht anous		-13.0		10.0	
O	mi	ld temp./lig		REMARKS	-10.0			
)	Casing Set Pull		DRILLER'S ounding 42 Act. Top	2.4 Drille	r: Billy B	ick	/ Chris Ju	Cores
	Casing Set Pull Overburden	ed X S	DRILLER'S	2.4 Drille	r: Billy B	ick	/ Chris Ju Est. 5-ft (Cores
	Casing Set Pull Overburden Upper Shale	ed X Se Est. Top	DRILLER'S ounding 42 Act. Top 778.92	2.4 Drille	r: Billy B	ick	/ Chris Ju Est. 5-ft C 10.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	ed × Se Est. Top	DRILLER'S ounding 42 Act. Top 778.92 748.7	2.4 Drille Est. Thick 25.9	Act. Th	ick	/ Chris Ju Est. 5-ft C 10.0 Fe Core C 7.2	cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	ed × Se Est. Top 756.0 753.0	DRILLER'S ounding 42 Act. Top 778.92 748.7 748.3	2.4 Drille	r: Billy B	ick	/ Chris Ju Est. 5-ft C 10.0 Fe Core C 7.2 Fe Recover	cores ut (m)
	Overburden Upper Shale Iron Core Point	ed × Se Est. Top	DRILLER'S ounding 42 Act. Top 778.92 748.7	2.4 Drille Est. Thick 25.9	Act. Th	ick	Fe Core C 7.2 Fe Recover	Cores ut (m) red (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed × Se Est. Top 756.0 753.0 746.0	DRILLER'S ounding 42 Act. Top 778.92 748.7 748.3 741.0	2.4 Drille Est. Thick 25.9 7.0 Total Drilled	Act. Th 30.6	ick	/ Chris Ju Est. 5-ft C 10.0 Fe Core C 7.2 Fe Recover	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	red × Set Est. Top 756.0 753.0 746.0 741.0 748.29 osses, etc.)	DRILLER'S ounding 42 Act. Top 778.92 748.7 748.3 741.0 736.6 Bottom Iro	2.4 Drille Est. Thick 25.9 7.0 Total Drilled onstone 74	7.2 42.4	ick	Fe Core Re	cores ut (m) red (m) c'vd % re Box 3
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L No 'Upper Shale' end	red × Set. Top 756.0 753.0 746.0 741.0 748.29 osses, etc.) countered. Cer Shale' encountered.	Act. Top 778.92 748.7 748.3 741.0 736.6 Bottom Iro	Est. Thick 25.9 7.0 Total Drilled onstone 74 etly overlying	7.2 42.4 11.05	ick	Fe Core Re 58.99 Est./Act Co	cores ut (m) red (m) c'vd % ore Box 3



			illig Frogram	riojeotra	ea: South	vviiitem	uu Kiver	
	Hole No. Re-Drill		e ID	LSD	SEC	TWP	RNG	MER
	3		-03	2	5	89	3	W6M
LOCATION	LAT 56.68445820		NG 596040		AST 35.17		NORTH 6283183.	
CAT	Map Elevation (m)		vation (m)	4120		VEY BY		
Po	map zioranom (m)		0.80	N	cElhanne			
			SURVEYOR	'S REMARKS				
	Only Pre-Survey com	pleted as thi	s survey was	s not drilled -	No Post-C	ollar Su	rvey Com	pleted
	DRILL RIG NA	AME & NUMB	ER	DF	RILLING SU Howa	PERINT		
	Move In Date	Move I	n Time	Spuc	Date		Spud Tir	ne
DRILLING	Move Out Date	Move C	Out Time	End Dril	ling Date	Er	nd Drilling	Time
DRIL	W	eather Condi	tions		Temp	Total	Drilling T	ime (Hrs
			DRILLER'S	SREMARKS				
				D I LE INITATATO				
	THIS LOCATION WAS	S NOT DRILL	ED	TEMATITO				
)	Casing Set Pull		ED Inding		er: N/A		/ N/A	
)					er: N/A Act. Thic		/ N/A Est. 5-ft (Cores
	Casing Set Pull Overburden	ed Sou	nding	Drille				
	Overburden Upper Shale	ed Sou Est. Top	Act. Top	Drille Est. Thick		ck	Est. 5-ft C	
	Overburden Upper Shale Iron Core Point	ed Sou Est. Top 753.0	Act. Top	Drille Est. Thick 20.8		ck	Est. 5-ft (
	Overburden Upper Shale Iron Core Point BH / Ironstone	ed Sou Est. Top 753.0 750.0	Act. Top	Drille Est. Thick		ck I	Est. 5-ft (ut (m)
)GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed Sou Est. Top 753.0 750.0 743.0	Act. Top	Drille Est. Thick 20.8 7.0	Act. Thic	ck F	Est. 5-ft (10.0 Fe Core C	ut (m) red (m)
OLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	ed Sou Est. Top 753.0 750.0	Act. Top 770.80	Est. Thick 20.8 7.0 Total Drilled		ck F	Est. 5-ft (10.0 Fe Core C	ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed Sou Est. Top 753.0 750.0 743.0	Act. Top	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft (10.0 Fe Core C e Recover	ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le	ed Sou Est. Top 753.0 750.0 743.0 738.0 osses, etc.)	Act. Top 770.80	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft C 10.0 Fe Core C e Recover e Core Re	ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone	ed Sou Est. Top 753.0 750.0 743.0 738.0 osses, etc.)	Act. Top 770.80	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft (10.0 Fe Core C e Recover	ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le	ed Sou Est. Top 753.0 750.0 743.0 738.0	Act. Top 770.80	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft C 10.0 Fe Core C e Recover e Core Re	ut (m) red (m) rc'vd % ore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le	ed Sou Est. Top 753.0 750.0 743.0 738.0	Act. Top 770.80	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft C 10.0 Fe Core C e Recover e Core Re st./Act Co	ut (m) red (m) rc'vd % ore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (LTHIS LOCATION WAS	ed Sou Est. Top 753.0 750.0 743.0 738.0	Act. Top 770.80 Bottom Iro	Est. Thick 20.8 7.0 Total Drilled	Act. Thic	F	Est. 5-ft C 10.0 Fe Core C e Recover e Core Re st./Act Co	ut (m) red (m) rc'vd % ore Box



	Hole No. Re-Drill		lole ID	LSD	SEC	TWP	RNG	MER
	3A		W-03A	15	32	88	3	W6M
z	LAT		ONG	EA			NORTH	
10	56.68267940		43579910	4120			6282985.	
LOCATION	Map Elevation (m)	Collar E	Elevation (m)		SU	RVEY B	Y	
2		7	78.79	M	cElhann	ey Land	Surveys	
	1121/14		SURVEYOR	'S REMARKS				
	DRILL RIG N	AME & NUM	MBER	DR		UPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/	Date	ara mar	Spud Tir 03:30 A	
DRILLING	Move Out Date	Move	e Out Time	End Drill 2012/	-	E	nd Drilling 01:00 P	
DRII		Veather Cor wy/mild ter			Temp	Total	Drilling T 9.5	ime (Hr
			DRILLER'S	REMARKS				
			DRILLER'S	REMARKS				
	Casing Set Pul	led X S			r: Cliff M	lcCarthy	/ Cliff Wa	lker
	Casing Set Pul		ounding 37	7.8 Drille	r: Cliff N		/ Cliff Wa	
	Casing Set Pul Overburden	led X S Est. Top				ick		Cores
	6-26-		ounding 37	7.8 Drille	Act. Th	ick	Est. 5-ft (Cores
	Overburden		ounding 37 Act. Top 778.79	7.8 Drille	Act. Th	ick	Est. 5-ft (Cores
	Overburden Upper Shale	Est. Top	Ounding 37 Act. Top 778.79 759.3	7.8 Drille	Act. Th	ick 5	Est. 5-ft (10.0 Fe Core C	Cores ut (m)
34	Overburden Upper Shale Iron Core Point	753.0	ounding 37 Act. Top 778.79 759.3 760.8 750.7 745.6	Est. Thick 28.8	Act. Th 19.5 8.6	ick 5	Est. 5-ft (10.0 Fe Core C 5.1	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	753.0 750.0	Ounding 37 Act. Top 778.79 759.3 760.8 750.7	Est. Thick 28.8	Act. Th 19.5 8.6	ick 5	Est. 5-ft (10.0 Fe Core C 5.1	Cores ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	753.0 750.0 743.0	ounding 37 Act. Top 778.79 759.3 760.8 750.7 745.6	Est. Thick 28.8 7.0 Total Drilled	Act. Th 19.5 8.6	ick 5	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	753.0 750.0 743.0 738.0	Ounding 37 Act. Top 778.79 759.3 760.8 750.7 745.6 741.0 Bottom Iro	Est. Thick 28.8 7.0 Total Drilled	Act. Th 19.5 8.6 5.1	ick 5	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2 Fe Core Re 62.7%	cores ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone	753.0 750.0 743.0 738.0 750.67	Act. Top 778.79 759.3 760.8 750.7 745.6 741.0 Bottom Iro	Est. Thick 28.8 7.0 Total Drilled	Act. Th 19.5 8.6 5.1	ick 5	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2 Fe Core Re 62.79	cores ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	753.0 750.0 743.0 738.0 750.67	Act. Top 778.79 759.3 760.8 750.7 745.6 741.0 Bottom Iro	Est. Thick 28.8 7.0 Total Drilled	Act. Th 19.5 8.6 5.1	ick 5	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2 Fe Core Re 62.7%	cores ut (m) red (m) ec'vd % ore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	753.0 750.0 743.0 738.0 750.67 .osses, etc.	Act. Top 778.79 759.3 760.8 750.7 745.6 741.0 Bottom Iro	Est. Thick 28.8 7.0 Total Drilled nstone 74	Act. Th 19.5 8.6 5.1 37.8 5.57	ick F	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2 Fe Core Recover 62.79 Est./Act Core 3	cores ut (m) red (m) ec'vd % ore Box 5 e Pail
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L Shale directly overly	753.0 750.0 743.0 738.0 750.67 cosses, etc. ing ironsto	Act. Top 778.79 759.3 760.8 750.7 745.6 741.0 Bottom Iro	Est. Thick 28.8 7.0 Total Drilled nstone 74	Act. Th 19.5 8.6 5.1 37.8 5.57	ick F	Est. 5-ft (10.0 Fe Core C 5.1 Fe Recover 3.2 Fe Core Recover 62.79 Est./Act Core 3	cores ut (m) red (m) ec'vd % ore Box 5 e Pail



F	rogram Name: 2012 C	lear Hills D	rilling Program	n Project Ar	ea: Sout	h Whiten	nud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	4	S	SW-04	16	31	88	3	W6M
ON	LAT		ONG		ST		NORTH	
ATI	56.68061470		45590450	4108	04.44		6282781.	77
LOCATION	Map Elevation (m)		levation (m) 85.44		SU IcElhann	RVEY B		
				'S REMARKS		ey Lanu	Surveys	
	DRILL RIG N	AME & NUN	MBER	DR		UPERIN	TENDENT	
	Move In Date		e In Time		Date 02/17		Spud Tir 11:30 P	
DRILLING	Move Out Date	Move	Out Time		ing Date 02/18	E	nd Drilling 05:10 A	
DRI	V	leather Con	ditions		Temp -20.0	Total	Drilling Ti	ime (Hr
	Very poor recoveries		ubes pulled wi					
	Casing Set Pull Overburden	s; many 5' to led × So Est. Top	ubes pulled wi	th no recover		Bartlett	<1 foot red / Chris Ju Est. 5-ft 0 9.0	inkins
	Overburden Upper Shale	led X Se Est. Top	ounding 40 Act. Top 785.44	th no recovery 0.8 Drille Est. Thick	r: Billy E	Bartlett	/ Chris Ju	ores
	Overburden Upper Shale Iron Core Point	Est. Top	Act. Top 785.44	0.8 Drille Est. Thick 22.5	Act. Th	ick	/ Chris Ju Est. 5-ft 0 9.0	ores
	Overburden Upper Shale Iron Core Point BH / Ironstone	Fest. Top 765.9 762.9	Act. Top 785.44 765.9 744.6	th no recovery 0.8 Drille Est. Thick	r: Billy E	ick	Est. 5-ft C 9.0 Fe Core C 0.0	cores ut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 765.9 762.9 756.9	Act. Top 785.44 765.9 744.6 744.6	th no recovery 0.8 Drille Est. Thick 22.5	Act. Th 40.8	ick F	Est. 5-ft C 9.0 Fe Core C 0.0	cores ut (m)
)LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	765.9 762.9 756.9 751.9	Act. Top 785.44 765.9 744.6 744.6 744.6	th no recovery 0.8 Drille Est. Thick 22.5 6.0 Total Drilled	Act. Th 40.8 0.0	ick F	Est. 5-ft C 9.0 Fe Core C 0.0	ores ut (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 765.9 762.9 756.9	Act. Top 785.44 765.9 744.6 744.6	th no recovery 0.8 Drille Est. Thick 22.5 6.0 Total Drilled	Act. Th 40.8	ick F	Fe Core C 0.0 Te Recover 0.0 Te Core Re ?	unkins Cores ut (m) red (m) c'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	765.9 762.9 756.9 751.9 744.60 cosses, etc.)	Act. Top 785.44 765.9 744.6 744.6 744.6 Bottom Iro	th no recovery 0.8 Drille Est. Thick 22.5 6.0 Total Drilled Onstone 74	Act. Th 40.8 0.0	ick F	Est. 5-ft C 9.0 Fe Core C 0.0 e Recover	cores ut (m) c'vd % ore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L NO IRON RECOVERE	765.9 762.9 756.9 751.9 744.60 cosses, etc.)	Act. Top 785.44 765.9 744.6 744.6 744.6 Bottom Iro	th no recovery 0.8 Drille 0.8 Drille Est. Thick 22.5 6.0 Total Drilled onstone 74	Act. Th 40.8 0.0 40.8	ick	Fe Core C 0.0 Te Recover 0.0 Te Core Re ? Test./Act Co 3	ut (m) red (m) re Box 1 e Pail



	Hala Na Da Daill		olo ID	LCD	SEC	TIME	DNC	MER
	Hole No. Re-Drill		ole ID W-05	LSD 13	SEC 32	TWP 88	RNG 3	W6M
z	LAT		ONG	EA		00	NORTH	
LOCATION	56.68075240		44941130	41120			6282788.	
CA	Map Elevation (m)	Collar E	levation (m)		SUR	VEY BY	Y	
2		7	98.71	M	cElhanney	Land S	Surveys	
			SURVEYOR	R'S REMARKS				
	DRILL RIG N	AME & NUN	MBER	DR	ILLING SU	PERIN'		
	Move In Date	Market and the Parket of the P	e In Time	Spud 2012/0	Date		Spud Tir 08:45 P	
DRILLING	Move Out Date	Move	Out Time	End Drilli 2012/0	-	E	nd Drilling 08:30 A	
DRII	V	leather Con mild/clou			Temp -20.0	Total	Drilling T	ime (Hr
			DRILLER'S	SREMARKS				
)	Casing Set Pul	led X So			r: Cliff Mc	Carthy	/ Cliff Wa	lker
)		led X Se	ounding 5		r: Cliff Mc		Est. 5-ft (Cores
	Overburden		Act. Top 798.71	5.5 Drille	Act. Thic			Cores
	Overburden Upper Shale	Est. Top	Act. Top 798.71 767.6	5.5 Drille	Act. Thic	k	Est. 5-ft (10.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	Est. Top 765.9	Act. Top 798.71 767.6 767.6	5.5 Driller Est. Thick 35.8	Act. Thic 31.1 14.3	k	Est. 5-ft (Cores
	Overburden Upper Shale Iron Core Point BH / Ironstone	765.9 762.9	Act. Top 798.71 767.6 767.6 753.3	5.5 Drille	Act. Thic	k	Est. 5-ft (10.0 Fe Core C 8.5	Cores ut (m)
УÐ	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	765.9 762.9 755.4	Act. Top 798.71 767.6 767.6 753.3 744.8	5.5 Drille Est. Thick 35.8	Act. Thic 31.1 14.3	k	Est. 5-ft (10.0 Fe Core C 8.5 e Recover 5.6	Cores ut (m)
OLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	765.9 762.9 755.4 750.4	Act. Top 798.71 767.6 767.6 753.3 744.8 743.2	5.5 Drille Est. Thick 35.8 7.5 Total Drilled	Act. Thic 31.1 14.3 8.5 55.5	k	Est. 5-ft (10.0 Fe Core C 8.5 e Recover 5.6	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	765.9 762.9 755.4	Act. Top 798.71 767.6 767.6 753.3 744.8	5.5 Drille Est. Thick 35.8 7.5 Total Drilled	Act. Thic 31.1 14.3	k F	Est. 5-ft (10.0 Fe Core C 8.5 e Recover 5.6 e Core Re 65.8%	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	765.9 762.9 755.4 750.4 753.29 cosses, etc.)	Act. Top 798.71 767.6 767.6 753.3 744.8 743.2 Bottom Iro	5.5 Drille Est. Thick 35.8 7.5 Total Drilled	Act. Thic 31.1 14.3 8.5 55.5	k F	Est. 5-ft (10.0 Fe Core C 8.5 e Recover 5.6	cores ut (m) red (m) ec'vd % ore Box 6
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L Shale directly overly	765.9 762.9 755.4 750.4 753.29 cosses, etc.) ing ironstor osting marin	Act. Top 798.71 767.6 767.6 753.3 744.8 743.2 Bottom Iro	5.5 Drille Est. Thick 35.8 7.5 Total Drilled	Act. Thic 31.1 14.3 8.5 55.5	k F	Est. 5-ft (10.0 Fe Core C 8.5 Fe Recover 5.6 Fe Core Re 65.8%	cores ut (m) red (m) ec'vd % ore Box 6



	Program Name: 2012 (Clear Hills D	rilling Program	Project Are	ea: South	n Whiter	nud River	
	Hole No. Re-Dril	і н	lole ID	LSD	SEC	TWP	RNG	MER
	6	5	SW-06	14	32	88	3	W6M
NO	LAT	1	ONG	EA	ST		NORTH	
H	56.68080060	-118.	44271490	4116	12.87		6282785.	36
LOCATION	Map Elevation (m)					RVEY B		
ĭ		7	96.02		cElhanne	y Land	Surveys	
			SURVEYOR	'S REMARKS				
	DRILL RIG N	AME & NUN	MBER	DR		UPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/	Date		Spud Tir 02:00 A	
DRILLING	Move Out Date	Move	e Out Time	End Drill 2012/	ing Date 02/17	E	nd Drilling 06:30 P	
DRII	V	Veather Cor			Temp -7.0	Tota	Drilling T 16.5	ime (Hr
			DRILLER'S	REMARKS				
	Core point hit aroun			REMARKS				
			PM)		r: Billy B	artlett	/ Chris Ju	unkins
		d noon (12F	PM)		r: Billy B		/ Chris Ju	
		d noon (12F	PM) ounding 5	1.5 Drille		ick		Cores
	Casing Set Pul	d noon (12F	ounding 5' Act. Top	I.5 Drille	Act. Th	ick	Est. 5-ft (Cores
	Casing Set Pul Overburden	d noon (12F	ounding 5' Act. Top	I.5 Drille	Act. Th	ick	Est. 5-ft (Cores
	Overburden Upper Shale	d noon (12F led × S Est. Top	Ounding 5' Act. Top 796.02	I.5 Drille	Act. Th	ick	Est. 5-ft (11.0 Fe Core C	Cores ut (m)
	Overburden Upper Shale Iron Core Point	d noon (12Filed × Siled × Sile	PM) ounding 57 Act. Top 796.02 764.3	Est. Thick 43.0	Act. Thi 40.8	ick	Est. 5-ft (11.0 Fe Core C 8.8	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	d noon (12Filed × Siled × Sile	Act. Top 796.02 764.3 755.2	Est. Thick 43.0	Act. Thi 40.8	ick F	Est. 5-ft (11.0 Fe Core C 8.8	Cores ut (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	d noon (12Filed × Siled × Sile	Act. Top 796.02 764.3 755.2 746.3	Est. Thick 43.0 9.5	Act. Thi 40.8	ick F	Est. 5-ft (11.0 Fe Core C 8.8 Fe Recover 8.4	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	d noon (12Filed × Siled × Sile	Act. Top 796.02 764.3 755.2 746.3 744.5 Bottom Iro	Est. Thick 43.0 9.5 Total Drilled	Act. Thi 40.8 8.8 51.5	ick F	Est. 5-ft 0 11.0 Fe Core C 8.8 Fe Recover 8.4 Fe Core Re	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	d noon (12Filed × Siled × Sile	Act. Top 796.02 764.3 755.2 746.3 744.5 Bottom Iro	Est. Thick 43.0 9.5 Total Drilled	Act. Thi 40.8 8.8 51.5	ick F	Est. 5-ft C 11.0 Fe Core C 8.8 Fe Recover 8.4 Fe Core Re 95.2%	cores ut (m) red (m) c'vd % ore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	d noon (12F led × S Est. Top 756.0 753.0 743.5 738.5 755.18 cosses, etc.	Act. Top 796.02 764.3 755.2 746.3 744.5 Bottom Iro	Est. Thick 43.0 9.5 Total Drilled enstone 74 as well	Act. Thi 40.8 8.8 51.5	ick F	Est. 5-ft 0 11.0 Fe Core C 8.8 Fe Recover 8.4 Fe Core Re 95.29 Est./Act Co	cores ut (m) red (m) c'vd % ore Box 5



	Hole No. Re-Drill	Li Li	ole ID	LSD	SEC	TWP	RNG	MER
	7		6W-07	15	32	88	3	W6M
z	LAT		.ONG		ST		NORTH	
LOCATION	56.68092060	-118.	43609080	4120	18.93		6282790.	19
CA	Map Elevation (m)	Collar E	levation (m)		SU	RVEY BY	Y	
ĭ		7	90.30		cElhanne	y Land	Surveys	
			SURVEYOR	R'S REMARKS				
	DRILL RIG N	AME & NUN	MBER	DR		UPERIN	TENDENT ler	
45	Move In Date	Move	e In Time	Spud 2012/			Spud Tir 03:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	-	Eı	nd Drilling 10:15 P	
DRII		Veather Con			Temp -10.0	Total	Drilling T	ime (Hrs
			DRILLER'	SREMARKS				
	quick drilling							
	The state of the s	led X So			r: Billy B	artlett	/ Chris Ju	unkins
	Casing Set Pul	led X So	ounding 4		Act. Th	ick	Est. 5-ft C	Cores
	Casing Set Pul Overburden		ounding 4	6.9 Drille		ick		Cores
	Overburden Upper Shale	Est. Top	Act. Top 790.30	6.9 Drille	Act. Th	ick	Est. 5-ft C	Cores
	Casing Set Pul Overburden	Est. Top 763.3	Act. Top 790.30	6.9 Drille Est. Thick 30.0	Act. Th 29.0	ick)	Est. 5-ft 0	Cores
	Overburden Upper Shale Iron Core Point BH / Ironstone	763.3 760.3	Act. Top 790.30 764.1 761.3	6.9 Drille	Act. Th	ick)	Est. 5-ft 0 10.0 Fe Core C	Cores ut (m)
37	Overburden Upper Shale Iron Core Point	763.3 760.3 753.3	Act. Top 790.30 764.1 761.3 754.0	6.9 Drille Est. Thick 30.0	Act. Th 29.0	ick)	Est. 5-ft 0 10.0 Fe Core C 7.2	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	763.3 760.3	Act. Top 790.30 764.1 761.3	6.9 Drille Est. Thick 30.0	Act. Th 29.0	ick)	Est. 5-ft C 10.0 Fe Core C 7.2 e Recover	Cores ut (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	763.3 760.3 753.3	Act. Top 790.30 764.1 761.3 754.0	6.9 Drille Est. Thick 30.0 7.0 Total Drilled	Act. Th 29.0	ick)	Est. 5-ft 0 10.0 Fe Core C 7.2 e Recover 6.4	Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	763.3 760.3 753.3 748.3 761.27	Act. Top 790.30 764.1 761.3 754.0 743.4 Bottom Ire	6.9 Drille Est. Thick 30.0 7.0 Total Drilled onstone 75	Act. Th 29.0 7.2 46.9	ick F	Est. 5-ft C 10.0 Fe Core C 7.2 e Recover 6.4	cores ut (m) red (m) c'vd % fore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	763.3 760.3 753.3 748.3 761.27 cosses, etc.)	Act. Top 790.30 764.1 761.3 754.0 743.4 Bottom Iro	6.9 Drille Est. Thick 30.0 7.0 Total Drilled onstone 75	Act. Th 29.0 7.2 46.9 4.03	ick F	Est. 5-ft C 10.0 Fe Core C 7.2 e Recover 6.4 e Core Re 88.4% est./Act Co	cores ut (m) red (m) c'vd % fore Box 5



	Hole No. Re-Dril	І н	ole ID	LSD	SEC	TWP	RNG	MER
	8	8	80-W	16	32	88	3	W6M
N	LAT	L	ONG	EA	ST		NORTH	
Ĕ	56.68091380			4124	412425.96		6282780.92	
LOCATION	Map Elevation (m)					RVEY BY		
7	15/11	7	85.40		cElhanne	y Land S	Surveys	
			SURVETOR	'S REMARKS				
	DRILL RIG N	IAME & NUN	MBER	DR	ILLING SU Howa	JPERIN		
,	Move In Date	Mov	e In Time	Spud 2012/			Spud Tir 12:15 A	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/16	Eı	o5:50 A	
DRI		Weather Cor			Temp -10.0	Total	Drilling T 5.8	ime (Hrs
	and the same of th		DRILLER'S	REMARKS				
	NO IRON RECOVER	ED	DRILLER'S	REMARKS				
					r: Billy Ba	artlett	/ Chris Ju	unkins
					r: Billy Ba		/ Chris Ju	
		lled X S	ounding 40	0.8 Drille				Cores
	Casing Set Pul	lled X S	ounding 40	0.8 Drille	Act. Thi	ck	Est. 5-ft (Cores
	Casing Set Pul	lled X S	ounding 40	0.8 Drille	Act. Thi	ck	Est. 5-ft (Cores
	Overburden Upper Shale	Est. Top	Act. Top 785.40	0.8 Drille	Act. Thi	ck	Est. 5-ft (13.0 Fe Core C	Cores ut (m)
37	Overburden Upper Shale Iron Core Point	Fst. Top 751.4 748.4 736.4	Act. Top 785.40 765.9 744.4 744.4	Est. Thick 37.0	Act. Thic 41.0	ck	Est. 5-ft (13.0 Fe Core C 0.0	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 751.4 748.4	Act. Top 785.40 765.9 744.4	Est. Thick 37.0	Act. Thic 41.0	ck F	Est. 5-ft (13.0 Fe Core C 0.0 e Recover	Cores ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fst. Top 751.4 748.4 736.4	Act. Top 785.40 765.9 744.4 744.4	Est. Thick 37.0	Act. Thic 41.0	ck F	Est. 5-ft (13.0 Fe Core C 0.0 e Recover 0.0	Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	751.4 748.4 736.4 731.4 744.43 Losses, etc.	Act. Top 785.40 765.9 744.4 744.4 744.4 Bottom Iro	Est. Thick 37.0 12.0 Total Drilled	Act. Thic 41.0	F F	Est. 5-ft (13.0 Fe Core C 0.0 e Recover 0.0	cores ut (m) red (m) ec'vd % ore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (I	751.4 748.4 736.4 731.4 744.43 Losses, etc. ED O SANDSTO	Act. Top 785.40 765.9 744.4 744.4 Bottom Iro	Est. Thick 37.0 12.0 Total Drilled Instone 74	Act. Thic 41.0 0.0 41.0	F F	Est. 5-ft (13.0 Fe Core C 0.0 e Recover 0.0 e Core Re ?	cores ut (m) red (m) c'vd % ore Box 5



	Program Name: 2012 (Clear Hills D	rilling Progran	n Project Are	ea: South	Whiten	nud River	
	Hole No. Re-Dril		ole ID	LSD	SEC	TWP	RNG	MER
	9		W-09	9	31	88	3	W6M
ON	LAT		ONG		ST		NORTH	
ATI	56.67722490		45592080	4107	95.43	NEV D	6282404.	52
LOCATION	Map Elevation (m)		levation (m) 98.97	M	cElhanne	RVEY BY		
_				S'S REMARKS		, Luna		
	DRILL RIG N	AME & NUN	BER	DR		JPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/	Date 02/17		Spud Tir 12:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/17	E	nd Drilling 10:55 P	
DRII	٧	Veather Con winter wea			Temp -10.0	Total	Drilling T 11.0	ime (Hr
			DRILLER'S	SREMARKS				
		lled X So	ounding 4	9.4 Drille	Act. Thi		/ Cliff Wa	
	Overburden		ounding 4	9.4 Drille	2 9 9 11			
	Overburden Upper Shale	Est. Top	Act. Top 798.97	9.4 Drille	Act. Thi	ck	Est. 5-ft (9.0 Fe Core C	Cores out (m)
	Overburden Upper Shale Iron Core Point	755.0	Act. Top 798.97	9.4 Drille Est. Thick 47.0	Act. Thic 34.9	ck	Est. 5-ft (Cores out (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	755.0 752.0	Act. Top 798.97 767.9 764.0	9.4 Drille	Act. Thi	ck	Est. 5-ft (9.0 Fe Core C 10.6	Cores ut (m)
)GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	755.0 752.0 746.5	Act. Top 798.97 767.9 764.0 753.5	9.4 Drille Est. Thick 47.0 5.5	Act. Thic 34.9	ck	Est. 5-ft (9.0 Fe Core C 10.6 e Recover	Cores ut (m) red (m)
OLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	755.0 752.0 746.5 741.5	Act. Top 798.97 767.9 764.0 753.5 749.6	9.4 Drille Est. Thick 47.0 5.5 Total Drilled	Act. Thic 34.9 10.6 49.4	ck	Est. 5-ft (9.0 Fe Core C 10.6 e Recover 7.9	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	755.0 752.0 746.5	Act. Top 798.97 767.9 764.0 753.5	9.4 Drille Est. Thick 47.0 5.5 Total Drilled	Act. Thic 34.9	ck F	Est. 5-ft (9.0 Fe Core C 10.6 e Recover 7.9 fe Core Re 74.9%	cores ut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	755.0 752.0 746.5 741.5 764.04 cosses, etc.)	Act. Top 798.97 767.9 764.0 753.5 749.6 Bottom Iro	9.4 Drille Est. Thick 47.0 5.5 Total Drilled onstone 75	Act. Thic 34.9 10.6 49.4	ck F	Est. 5-ft (9.0 Fe Core C 10.6 e Recover 7.9	cores ut (m) red (m) ec'vd % ore Box 4
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L 157'-162' washed ou	755.0 752.0 746.5 741.5 764.04 cosses, etc.) t, only 0.5' r	Act. Top 798.97 767.9 764.0 753.5 749.6 Bottom Iro	9.4 Drille Est. Thick 47.0 5.5 Total Drilled onstone 75	Act. Thic 34.9 10.6 49.4	ck F	Est. 5-ft (9.0 Fe Core C 10.6 Fe Recover 7.9 Fe Core Re 74.99	cores ut (m) red (m) ec'vd % ore Box 4



	Program Name: 2012 C	lear fills D	rilling Progran	Project Are	a: South	Whiten	nud River	
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
	10		W-10	12	32	88	3	W6M
ON	LAT		ONG	EA			NORTH	
AT	56.67735340		44964370 levation (m)	41118		VEY B	6282410.6	00
LOCATION	Map Elevation (m)		06.07	M	cElhanney			
			SURVEYOR	S'S REMARKS				
	DRILL RIG NA	AME & NUN	IBER	DR		IPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/	Date		Spud Tin 08:00 Al	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	-	Е	nd Drilling 05:30 PI	
DRII		eather Con			Temp -7.0	Total	Drilling Ti 9.5	me (Hr
				SREMARKS				
)	Core point hit around Casing Set Pull	ed X So	PM) 2012/02/16 ounding 5			-	/ Cliff Wa	
	A CONTRACTOR OF THE PROPERTY O		PM) 2012/02/16		r: Cliff Mc	-	/ Cliff Wa Est. 5-ft 0	
	Casing Set Pull	ed X So	2M) 2012/02/16 ounding 5 Act. Top	7.0 Drille	Act. Thic	k	Est. 5-ft C 9.0	ores
	Casing Set Pull Overburden	ed X So	2M) 2012/02/16 ounding 5 Act. Top	7.0 Drille	Act. Thic	k	Est. 5-ft C	cores ut (m)
	Overburden Upper Shale	ed X So Est. Top	2M) 2012/02/16 bunding 5 Act. Top 806.07	7.0 Drille	Act. Thic	:k	Est. 5-ft C 9.0 Fe Core C	Cores ut (m)
).	Overburden Upper Shale Iron Core Point	ed × So Est. Top 752.1	Act. Top 806.07	7.0 Drille Est. Thick 57.0	Act. Thic 42.1	:k	Est. 5-ft 0 9.0 Fe Core C 10.5	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	ed × So Est. Top 752.1 749.1	Act. Top 806.07 767.4 764.0	7.0 Drille Est. Thick 57.0	Act. Thic 42.1	:k	Est. 5-ft 0 9.0 Fe Core C 10.5	Cores ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed × So Est. Top 752.1 749.1 743.1	Act. Top 806.07 767.4 764.0 753.5	7.0 Drille Est. Thick 57.0 6.0 Total Drilled	Act. Thic 42.1 10.5	:k	Est. 5-ft 0 9.0 Fe Core C 10.5 e Recover 6.6	c'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	ed × So Est. Top 752.1 749.1 743.1 738.1 764.01 osses, etc.) down at 15:18P	Act. Top 806.07 767.4 764.0 753.5 749.1 Bottom Iro	7.0 Drille Est. Thick 57.0 6.0 Total Drilled Onstone 75 er at 12:30PM n) shale unit	Act. Thic 42.1 10.5 57.0	F F	Est. 5-ft C 9.0 Fe Core C 10.5 e Recover 6.6	cores ut (m) red (m) c'vd % re Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L 100' down at 10:36AM, 152' - Iron interval split into two serious combined iron the	ed × So Est. Top 752.1 749.1 743.1 738.1 764.01 osses, etc.) down at 15:18P sections separatickness' (>25%	Act. Top 806.07 767.4 764.0 753.5 749.1 Bottom Iro	7.0 Drille Est. Thick 57.0 6.0 Total Drilled Onstone 75 er at 12:30PM n) shale unit	Act. Thic 42.1 10.5 57.0	F F	Est. 5-ft C 9.0 Fe Core C 10.5 Fe Recover 6.6 Fe Core Re 62.4% Est./Act Co	cores ut (m) red (m) c'vd % re Box



F	rogram Name: 2012 C	lear Hills Di	rilling Progran	1 Project Are	a: South	Whitem	nud River	
	Hole No. Re-Drill		ole ID	LSD 11	SEC 32	TWP	RNG	MER W6M
z	LAT		ONG		ST		NORTH	
LOCATION	56.67727900	-118.4	44274670	4116	02.67		6282393.4	46
CA	Map Elevation (m)		levation (m)			RVEY BY		
۲		8	08.13		cElhanne	y Land S	Surveys	
			SURVEYOR	'S REMARKS				
	DRILL RIG NA	AME & NUM	IBER	DR		JPERIN'	TENDENT	
	Move In Date	Move	e In Time	Spud 2012/			Spud Tin 03:30 Pl	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/		E	nd Drilling 04:25 Al	
DRI	W	leather Con			Temp -15.0	Total	Drilling Ti	me (Hr
	Drilling torquing up to Casing Set Pull	too high to	continue past				stone / Cliff Wa	lker
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	too high to ded × So Est. Top 764.9 761.9 753.9	Act. Top 808.13 764.8 758.8 751.1	187' depth - Er 7.0 Drille Est. Thick 46.2	Act. Thi 49.4	ck		cores ut (m)
YDOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	too high to ded X So Est. Top 764.9 761.9	Act. Top 808.13 764.8 758.8	187' depth - Er 7.0 Drille Est. Thick 46.2	Act. Thi	ck F	Est. 5-ft C 10.0 Fe Core C 7.6 e Recover 5.3	c'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	too high to ded × So Est. Top 764.9 761.9 753.9	Act. Top 808.13 764.8 758.8 751.1	187' depth - El 7.0 Drille Est. Thick 46.2 8.0	Act. Thi 49.4	ck F	Fe Core C 7.6 e Recover 5.3 e Core Re 69.2%	cores ut (m) red (m) c'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	too high to ded × Soled × Sole	Act. Top 808.13 764.8 758.8 751.1 751.1 Bottom Iro call end of hol unit	187' depth - El	7.6 57.0	ck F	Est. 5-ft C 10.0 Fe Core C 7.6 e Recover 5.3	cores ut (m) c'vd % fore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L - Drill torquing up an - Ended hole in ooliti - Incomplete ironstor	roo high to ded × Soled × Sole	Act. Top 808.13 764.8 758.8 751.1 751.1 Bottom Iro call end of hol unit ecovered ERED AT 75' DEP	187' depth - El	7.6 57.0	ck F	Fe Core C 7.6 e Recover 5.3 e Core Re 69.2% st./Act Co	cores ut (m) c'vd % fore Box



F	Program Name: 2012 C	lear Hills D	rilling Program	Project Are	a: Sout	h Whiten	nud River	
H	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	12	S	SW-12	10	. 32	88	3	W6M
ON	LAT		.ONG	EA			NORTH	
ATI	56.67731550		43599350	41201			6282388.	83
LOCATION	Map Elevation (m)		levation (m) 03.74	M		RVEY B'		
				'S REMARKS	JEM GIN	cy Lana	ourveys	
	DRILL RIG N	AME & NUN	MBER	DRI		SUPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/0	Date		Spud Tir 03:00 A	
DRILLING	Move Out Date	Move	Out Time	End Drilli 2012/0	-	E	nd Drilling 12:30 A	
DRII	V	Veather Con Clear, bri			Temp -20.0	Total	Drilling T 21.5	ime (Hr
B	11:41AM at 126' swit	ch to core b	parrel; coring s					
	Casing Set Pul		ounding 69 Act. Top	5.2 Driller Est. Thick	Act. Th		Est. 5-ft (Cores
	Casing Set Pul Overburden	led X S	parrel; coring sounding 6	started at 129'		ick		Cores
	Overburden Upper Shale	led X Se Est. Top	Act. Top 803.74	5.2 Driller Est. Thick	Act. Th	ick 2	Est. 5-ft (12.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	led X Se Est. Top	Act. Top 803.74	5.2 Driller Est. Thick 44.4	Act. Th	ick 2	Est. 5-ft (12.0 Fe Core C 8.1	Cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	Fest. Top 762.3 759.3	Act. Top 803.74 765.3 756.5	5.2 Driller Est. Thick	Act. Th	ick 2	Est. 5-ft (12.0 Fe Core C 8.1	Cores ut (m)
)GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 762.3 759.3 749.3	Act. Top 803.74 765.3 756.5 748.4	Est. Thick 44.4	Act. Th 47.2	ick 2	Est. 5-ft (12.0 Fe Core C 8.1 e Recove 6.3	ores ut (m) red (m)
OLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Fest. Top 762.3 759.3 749.3 744.3	Act. Top 803.74 765.3 756.5 748.4 738.5	Est. Thick 44.4 10.0 Total Drilled	Act. Th 47.2 8.1	ick 2	Est. 5-ft (12.0 Fe Core C 8.1 Fe Recover 6.3 Fe Core Re	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 762.3 759.3 749.3	Act. Top 803.74 765.3 756.5 748.4	Est. Thick 44.4 10.0 Total Drilled	Act. Th 47.2	ick 2 F	Est. 5-ft (12.0 Fe Core C 8.1 e Recove 6.3 e Core Re 77.89	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Fest. Top 762.3 759.3 749.3 744.3 756.53 cosses, etc.)	Act. Top 803.74 765.3 756.5 748.4 738.5 Bottom Iro	Est. Thick 44.4 10.0 Total Drilled onstone 74	Act. Th 47.2 8.1 65.2	ick 2 F	Est. 5-ft (12.0 Fe Core C 8.1 Fe Recover 6.3 Fe Core Re	cores ut (m) red (m) ec'vd % ore Box 6
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L Gravels seen at ~70'	Fest. Top 762.3 759.3 749.3 744.3 756.53 cosses, etc.) depth with	Act. Top 803.74 765.3 756.5 748.4 738.5 Bottom Iro	Est. Thick 44.4 10.0 Total Drilled onstone 74	Act. Th 47.2 8.1 65.2	ick 2 F	Est. 5-ft (12.0 Fe Core C 8.1 Fe Recover 6.3 Fe Core Re 77.89	cores ut (m) red (m) ec'vd % ore Box 6



			rilling Program				nud River	
	Hole No. Re-Dril		ole ID SW-13	LSD 9	SEC 32	TWP 88	RNG 3	MER W6M
_	LAT		ONG		ST	00	NORTH	
ō.	56.67740760		42949600		14.77		6282390.	
LOCATION	Map Elevation (m)		levation (m)			VEY B		
2			97.01	N	lcElhanney	Land	Surveys	
			SURVEYOR	SREMARKS				
	DRILL RIG N	IAME & NUN	MBER	DR	RILLING SU	IPERIN		
	Move In Date		e In Time		Date 02/15		Spud Tir 08:00 A	
DRILLING	Move Out Date	Move	Out Time		ling Date 02/15	Е	nd Drilling 05:20 P	
DRII		Neather Cor			Temp	Total	Drilling T 9.3	ime (Hr
		illia wiliter v		REMARKS	-0.0		5.5	
	Casing Set Pu	lled X S	ounding 53	3.0 Drille	r: Billy Ba	rtlett	/ Chris J	unkins
	Casing Set Pu	Iled X S	ounding 53 Act. Top	Est. Thick	er: Billy Ba		/ Chris Jo	
	Casing Set Pu Overburden		3					Cores
		Est. Top	Act. Top 797.01	Est. Thick	Act. Thic	k	Est. 5-ft (Cores
	Overburden	753.0	Act. Top 797.01 763.2	Est. Thick 47.0	Act. Thic 43.1	k	Est. 5-ft (Cores Out (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	753.0 750.0	Act. Top 797.01 763.2 754.0	Est. Thick	Act. Thic	:k	Est. 5-ft (12.0 Fe Core 0 4.3	Cores Cut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	753.0 750.0 739.0	Act. Top 797.01 763.2 754.0 749.7	Est. Thick 47.0	Act. Thic 43.1	:k	Est. 5-ft (12.0 Fe Core C 4.3	Cores Cut (m)
)LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	753.0 750.0	Act. Top 797.01 763.2 754.0 749.7 744.0	Est. Thick 47.0 11.0 Total Drilled	Act. Thic 43.1	:k	Est. 5-ft (12.0 Fe Core C 4.3 Fe Recove 4.2	Cores Cut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	753.0 750.0 739.0	Act. Top 797.01 763.2 754.0 749.7	Est. Thick 47.0 11.0 Total Drilled	Act. Thic 43.1	F F	Est. 5-ft (12.0 Fe Core C 4.3 Fe Recove 4.2 Fe Core Re 97.89	Cores Cut (m) red (m) ec'vd %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	753.0 750.0 739.0 734.0	Act. Top 797.01 763.2 754.0 749.7 744.0 Bottom Iro	Est. Thick 47.0 11.0 Total Drilled	Act. Thic 43.1 4.3 53.0	F F	Est. 5-ft (12.0 Fe Core C 4.3 Fe Recove 4.2	Cores Cut (m) red (m) ec'vd % ore Box 5



	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	14	S	SW-14	7	31	88	3	W6M
N	LAT	L	ONG	EA	ST		NORTH	
LOCATION	56.67364250		46275750	4103			6282014.	73
00	Map Elevation (m)		levation (m)			RVEY BY		
_		7	82.15	M R'S REMARKS	cElhanne	y Land S	Surveys	
			SURVETOR	N S KEIWIAKKS				
	DRILL RIG N. Radi	AME & NUN	MBER	DR	ILLING SU Howa	JPERIN		
, n	Move In Date	Move	e In Time	Spud 2012/	Date 02/15		Spud Tir 03:30 A	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/15	E	nd Drilling 11:00 A	
DRI		leather Con	er - no snow		Temp	Total	Drilling T 7.5	ime (Hr
	illia w	mior wouth			0.0		1.0	
			DRILLER	SREMARKS				
	NO IRON INTERVAL	ENCOUNTE		S REMARKS LACIAL TILL &	SHALES			
)	NO IRON INTERVAL Casing Set Pul		ERED - ALL GI	LACIAL TILL &	SHALES	Carthy	/ Cliff Wa	lker
)		led X S	ERED - ALL Glounding 3	7.2 Drille			/ Cliff Wa	
			ERED - ALL GI	LACIAL TILL &	r: Cliff Mo			
	Casing Set Pul	led X S	ered - ALL Glounding 3 Act. Top	7.2 Drille Est. Thick	r: Cliff Mo	ck	Est. 5-ft (Cores
	Casing Set Pul Overburden	led X S	ered - ALL Glounding 3 Act. Top	7.2 Drille Est. Thick	r: Cliff Mo	ck	Est. 5-ft (Cores
	Overburden Upper Shale	ed X Se	ounding 3 Act. Top 782.15	7.2 Drille Est. Thick	r: Cliff Mo	ck	Est. 5-ft (9.0 Fe Core C	Cores ut (m)
, A	Overburden Upper Shale Iron Core Point	Est. Top	Act. Top 782.15	7.2 Drille Est. Thick 32.0	Act. Thic	ck	Est. 5-ft (9.0 Fe Core C 0.0	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Fest. Top 753.2 750.2	Act. Top 782.15 767.8 745.0	7.2 Drille Est. Thick 32.0	Act. Thic	ck F	Est. 5-ft (9.0 Fe Core C 0.0 e Recover	Cores ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 753.2 750.2 745.2	Act. Top 782.15 767.8 745.0 745.0	Est. Thick 32.0 Total Drilled	Act. This	ck F	Est. 5-ft (9.0 Fe Core C 0.0 e Recover	Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	753.2 750.2 745.2 740.2 744.96	Act. Top 782.15 767.8 745.0 745.0 745.0 Bottom Ire	Est. Thick 32.0 Total Drilled onstone 74	7: Cliff Mo Act. Thio 37.2 0.0 37.2	F F	Est. 5-ft (9.0 Fe Core C 0.0 e Recover 0.0 e Core Re ?	cores ut (m) red (m) ec'vd % ore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	753.2 750.2 745.2 740.2 744.96	Act. Top 782.15 767.8 745.0 745.0 745.0 Bottom Ire	Est. Thick 32.0 Total Drilled onstone 74	7: Cliff Mo Act. Thio 37.2 0.0 37.2	F F	Est. 5-ft (9.0 Fe Core C 0.0 e Recover 0.0 e Core Re ?	cores ut (m) red (m) ec'vd % ore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L NO IRON INTERVAL	753.2 750.2 745.2 740.2 744.96 osses, etc.)	Act. Top 782.15 767.8 745.0 745.0 745.0 Bottom Ire	Est. Thick 32.0 5.0 Total Drilled onstone 74 ACIAL TILL &	7: Cliff Mo Act. Thio 37.2 0.0 37.2 4.96	F F	Est. 5-ft (9.0 Fe Core C 0.0 e Recover 0.0 e Core Re ?	cores ut (m) red (m) ec'vd % ore Box 5



,	rogram Name: 2012 C	lear Hills D	rilling Program	Project Are	ea: Sout	h Whiten	nud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	15	S	W-15	8	31	88	3	W6M
ON	LAT		ONG		ST		NORTH	
ATI	56.67352600		45631860	4107	62.32		6281993.	37
LOCATION	Map Elevation (m)		levation (m) 96.58	M	cElhanne	RVEY B		
_				'S REMARKS	CEMami	by Lana	ourveys	
	DRILL RIG NA	AME & NUN	IBER	DR		UPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/			Spud Tir 12:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	-	E	nd Drilling 12:45 A	
DRIL		leather Con			Temp	Total	Drilling T 12.7	ime (Hr
	Put core barrel on at		767.9 m asl) bu					lker
	Put core barrel on at Casing Set Pull	94' depth (led X Se	767.9 m asl) but ounding 44 Act. Top	t iron wasn't I.8 Drille Est. Thick	r: Cliff N	ick	13' depth / Cliff Wa Est. 5-ft (
	Put core barrel on at Casing Set Pull Overburden	ed X S	767.9 m asl) but ounding 44	t iron wasn't l.8 Drille	r: Cliff N	ick	/ Cliff Wa Est. 5-ft (9.0	Cores
	Put core barrel on at Casing Set Pull	ed X S	767.9 m asl) but ounding 44 Act. Top	t iron wasn't I.8 Drille Est. Thick	r: Cliff N	ick	/ Cliff Wa	Cores
	Put core barrel on at Casing Set Pull Overburden Upper Shale	ed X Se Est. Top	767.9 m asl) but ounding 44 Act. Top 796.58	t iron wasn't I.8 Drille Est. Thick	r: Cliff N	ick	/ Cliff Wa Est. 5-ft (9.0 Fe Core C 8.2	Cores
	Put core barrel on at Casing Set Pull Overburden Upper Shale Iron Core Point	ed X See Est. Top	767.9 m asl) but ounding 44 Act. Top 796.58	t iron wasn't I.8 Drille Est. Thick 36.7	Act. Th	ick	Est. 5-ft (9.0)	Cores Lut (m) Lut (m)
	Put core barrel on at Casing Set Pull Overburden Upper Shale Iron Core Point BH / Ironstone	ed × Se Est. Top 762.9 759.9	767.9 m asl) but ounding 44 Act. Top 796.58 764.0 764.0	t iron wasn't I.8 Drille Est. Thick 36.7	Act. Th	ick	Est. 5-ft (9.0 Fe Core C 8.2	Cores cut (m) red (m)
	Put core barrel on at Casing Set Pull Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 762.9 759.9 754.4	767.9 m asl) but ounding 44 Act. Top 796.58 764.0 764.0 755.8	Est. Thick 36.7 5.5	r: Cliff M Act. Th 32.6	ick	Fe Core C 8.2 e Recover	Cores Fut (m) red (m)
	Put core barrel on at Casing Set Pull Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	762.9 759.9 754.4 749.4 763.97	767.9 m asl) but ounding 44 Act. Top 796.58 764.0 764.0 755.8 751.8 Bottom Iro	t iron wasn't 1.8 Drille Est. Thick 36.7 5.5 Total Drilled Instone 75	r: Cliff N Act. Th 32.6	ick	Fe Core Core Recover 7.7	cores fut (m) red (m) ec'vd % ore Box 3
GEOLOGY	Put core barrel on at Casing Set Pull Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	762.9 759.9 754.4 749.4 763.97 osses, etc.) recovered -	767.9 m asl) but ounding 44 Act. Top 796.58 764.0 764.0 755.8 751.8 Bottom Iro	Est. Thick 36.7 5.5 Total Drilled nstone 75	8.2 44.8	ick	Fe Core Core Core Core Core Core Core Cor	cores fut (m) red (m) ec'vd % ore Box 3



, ,	Program Name: 2012 C							III.
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
_	16		SW-16	5	32	88	3 NORTH	W6M
NOI	LAT 56.67375350		ONG 44931690	41119	ST 24.85		NORTH 6282009.	
SAT	Map Elevation (m)		levation (m)	4111.		RVEY BY		30
LOCATION	wap Lievation (iii)		08.24	М	cElhanne			
			SURVEYOR	'S REMARKS				
	DRILL RIG N	AME & NUM	MBER	DR		UPERINT	TENDENT	
	Move In Date 2012/02/12	Move	e In Time 8:00 PM	Spud 2012/			Spud Tir 10:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/		Er	nd Drilling 12:00 P	
ORII	V	Veather Con Clear			Temp	Total	Drilling T 14.0	ime (Hrs
	145' depth at 3:00AN	/l Feb 13th -	DRILLER'S driller switche		started hi	-		
	Casing Set Pul	/l Feb 13th -	DRILLER'S driller switche ounding 57 Act. Top	d to core bit (so Drille Est. Thick	started hi r: Cliff M Act. Thi	cCarthy	/ Cliff Wa	lker
	Casing Set Pul Overburden	∥ Feb 13th - led X S	DRILLER'S driller switche ounding 57	d to core bit (s	started hi	cCarthy	/ Cliff Wa	lker
	Overburden Upper Shale	I Feb 13th - led ★ Se Est. Top	DRILLER'S driller switche ounding 57 Act. Top 808.24	d to core bit (so Drille Est. Thick	started hi r: Cliff M Act. Thi	cCarthy	/ Cliff Wa Est. 5-ft (9.0 Fe Core C	lker Cores
	Overburden Upper Shale Iron Core Point	Feb 13th - led X Se Est. Top	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4	core bit (so Drille) Est. Thick 57.0	estarted hi r: Cliff M Act. Thi 45.9	cCarthy	/ Cliff Wa Est. 5-ft (9.0 Fe Core C 7.1	Ores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	M Feb 13th - led × Se Est. Top 754.2 751.2	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3	d to core bit (so Drille Est. Thick	started hi r: Cliff M Act. Thi	cCarthy	Est. 5-ft (9.0 Fe Core C 7.1 e Recover	Ores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Feb 13th - led × Se Est. Top 754.2 751.2 745.4	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3 755.2	Est. Thick 57.0 5.8	Act. Thi 45.9	cCarthy ick	Fe Core C 7.1 e Recover	Ores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Feb 13th - led × Se Est. Top 754.2 751.2 745.4 740.4	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3 755.2 751.2	Est. Thick 57.0 5.8 Total Drilled	Act. Thi 45.9	cCarthy ick	Est. 5-ft (9.0 Fe Core C 7.1 e Recover 6.5	lker Cores ut (m) red (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Feb 13th - led × Se Est. Top 754.2 751.2 745.4	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3 755.2	Est. Thick 57.0 5.8 Total Drilled	Act. Thi 45.9	cCarthy ick	Fe Core C 7.1 e Recover 6.5 e Core Re 92.09	Ut (m) red (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	754.2 751.2 745.4 762.29	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3 755.2 751.2 Bottom Iro	Est. Thick 57.0 5.8 Total Drilled	Act. Thi 45.9	cCarthy ick	Est. 5-ft (9.0 Fe Core C 7.1 e Recover 6.5	ut (m) red (m) red sc'vd % ore Box 3
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	754.2 751.2 745.4 740.4 762.29 cosses, etc.;	DRILLER'S driller switche ounding 57 Act. Top 808.24 763.4 762.3 755.2 751.2 Bottom Iro	Est. Thick 57.0 5.8 Total Drilled	Act. Thi 45.9	cCarthy ick	Fe Core C 7.1 e Recover 6.5 e Core Re 92.09 est./Act Co	ut (m) red (m) red % re Box 3



	Program Name: 2012 C			1000000				
	Hole No. Re-Drill		ole ID SW-17	LSD 6	SEC 32	TWP 88	RNG 3	MER W6M
7	LAT		ONG	EA		00	NORTH	
LOCATION	56.67366590		44281000	41159			6281991.	
CA	Map Elevation (m)	Collar E	levation (m)		SU	RVEY B	Υ	
CO		8	01.40	M	cElhanne	ey Land	Surveys	
			SURVEYOR	S'S REMARKS				
								68.7
	DRILL RIG NA Radio	AME & NUN us Rig #2	MBER	DR		UPERIN	TENDENT ler	
· D	Move In Date	Move	e In Time	Spud 2012/			Spud Tir 04:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	-	E	nd Drilling 09:00 A	
$\overline{\mathbf{x}}$		eather Con			Temp	Total	Drilling T	ime (Hrs
О		mild winter	DRILLER'S	S REMARKS		477' 400'	double	
D	Driller remarked iron Casing Set Pull	sands was	DRILLER's hed out (3') are ounding 6	nd 2' of shale b	etween '	lcCarthy	/ Cliff Wa	
D	Driller remarked iron Casing Set Pull	sands was	DRILLER's hed out (3') are ounding 6	nd 2' of shale b 1.6 Drille Est. Thick	etween fr: Cliff M	ick	/ Cliff Wa	ores
D	Driller remarked iron Casing Set Pull Overburden	sands was	DRILLER's hed out (3') are ounding 6	nd 2' of shale b	etween '	ick	/ Cliff Wa Est. 5-ft 0 10.0	ores
D	Driller remarked iron Casing Set Pull Overburden Upper Shale	sands was ed X Se Est. Top	DRILLER's hed out (3') are ounding 6 Act. Top 801.40	nd 2' of shale b 1.6 Drille Est. Thick	etween fr: Cliff M	ick	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C	ores
D	Driller remarked iron Casing Set Pull Overburden Upper Shale Iron Core Point	sands was	DRILLER's hed out (3') are ounding 6	1.6 Drille Est. Thick 54.0	etween fr: Cliff M	ick	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 8.1	Cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	sands was ed × So Est. Top	DRILLER's hed out (3') are ounding 6 Act. Top 801.40	nd 2' of shale b 1.6 Drille Est. Thick	etween or Cliff M Act. Th 40.0	ick	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 8.1 e Recover	Cores ut (m)
	Driller remarked iron Casing Set Pull Overburden Upper Shale Iron Core Point	sands was ed × So Est. Top 750.4 747.4	DRILLER's hed out (3') are ounding 6 Act. Top 801.40 765.7 761.4	1.6 Drille Est. Thick 54.0	etween or Cliff M Act. Th 40.0	ick	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 8.1 e Recover	Cores ut (m)
GEOLOGY D	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	sands was ed × Se Est. Top 750.4 747.4 740.9	DRILLER's hed out (3') are ounding 6 Act. Top 801.40 765.7 761.4 753.3	nd 2' of shale b 1.6 Drille Est. Thick 54.0 6.5	Act. Th 40.0	ick	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 8.1 e Recover	c'vd %
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	sands was ed × Se Est. Top 750.4 747.4 740.9 735.9 761.39 osses, etc.) Feb 13th 2	DRILLER's hed out (3') are ounding 6 Act. Top 801.40 765.7 761.4 753.3 739.2 Bottom Iro	nd 2' of shale b 1.6 Drille Est. Thick 54.0 6.5	Act. Th 40.0	ick	Fe Core C 8.1 e Recover 7.0 fe Core Re	cores ut (m) c'vd % fore Box 6
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le- 50' depth at 6:00PM	sands was ed × Se Est. Top 750.4 747.4 740.9 735.9 761.39 osses, etc.) Feb 13th 2 nt in the sh	DRILLER's hed out (3') are ounding 6 Act. Top 801.40 765.7 761.4 753.3 739.2 Bottom Iro	nd 2' of shale b 1.6 Drille Est. Thick 54.0 6.5	Act. Th 40.0	ick	Fe Core C 8.1 e Recover 7.0 e Core Re 86.39 est./Act Co	cores ut (m) c'vd % fore Box



F	Program Name: 2012 C	lear Hills D	rilling Program	Project Are	a: South	h Whiten	nud River	
7	Hole No. Re-Drill 18 LAT	s	ole ID W-18 ONG	LSD 7 EA	SEC 32	TWP 88	RNG 3 NORTH	MER W6M
LOCATION	56.67361970 Map Elevation (m)	-118.4 Collar E	43624830 levation (m) 00.04	41199 M	92.26	RVEY B	6281977. 3	
DRILLING	Move In Date 2012/02/10 Move Out Date	Move Move Move /eather Con	IBER In Time 5:00 PM Out Time ditions	DR Spud 2012/6 End Drill 2012/6	How Date 02/11 ing Date	ard Hard	TENDENT der Spud Tir 10:00 A nd Drilling 10:51 P Drilling T 12.9	M Time M
_	C	lear skies ai		REMARKS	-20.0			
	Hit something hard (bldr?) at 52	DRILLER'S ' depth - drilled	0.1 Drille	Switcher: Billy B	Bartlett	bit at 55' / Chris Ju	ınkins
	Hit something hard (bldr?) at 52	DRILLER'S ' depth - drilled	3' in 0.5 hrs.	Switche	ick F	bit at 55'	ores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	bldr?) at 52 led × So Est. Top 778.3 775.3 768.3 763.3 757.98	DRILLER'S depth - drilled ounding 59 Act. Top 800.04 777.5 758.0 749.1 740.9 Bottom Iro	Est. Thick 24.7 Total Drilled	Switched r: Billy B Act. Th 42.1	ick F	e bit at 55' / Chris Ju Est. 5-ft (10.0) Fe Core C 8.8 Fe Recover	c'vd % ore Box 7
GEOLOGY	Hit something hard (Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone	bldr?) at 52 led × So Est. Top 778.3 775.3 768.3 763.3 757.98 osses, etc.)	DRILLER'S depth - drilled ounding 59 Act. Top 800.04 777.5 758.0 749.1 740.9 Bottom Iro	Est. Thick 24.7 7.0 Total Drilled nstone 74	Switcher: Billy E Act. Th 42.1 8.8 59.1	ick F	Est. 5-ft C 10.0 Fe Core C 8.8 Fe Recover 8.5 Fe Core Re 95.7% Est./Act Co	unkins Cores ut (m) c'vd % fore Box 7 e Pail



	Hole No. Re-Drill	. н	lole ID	LSD	SEC	TWP	RNG	MER
	19	8	SW-19	8	32	88	3	W6M
NO	LAT	L	ONG	EA	ST		NORTH	
TI	56.67383810	-118.	42940380	4124	12.14		6281993.	37
LOCATION	Map Elevation (m)		levation (m)			RVEY BY		
_		,	SURVEYOR	R'S REMARKS	CEInann	ey Land S	surveys	
	DRILL RIG N.	AME & NUM	MBER	DR		SUPERINT	TENDENT er	
	Move In Date 2012/02/11		e In Time	Spud 2012/0	Date	ara mara	Spud Tir 08:00 A	
DRILLING	Move Out Date	Move	e Out Time	End Drilli 2012/0		Er	of:30 P	
DRI	V	Veather Cor mild	nditions		Temp 0.0	Total	Drilling T 9.5	ime (Hr
			DDULEDI	O DEBLADICO				
	Hit gravels between	84'-94' dep		S REMARKS g coring at 90'	depth at	11:30AM	2012/02/1	2.
		84'-94' dept	th. Rig starting	g coring at 90'			2012/02/1 / Chris Ju	
			th. Rig starting	g coring at 90'		Bartlett		unkins
		led X S	th. Rig starting ounding 4	g coring at 90' of 15.4 Driller	: Billy E	Bartlett	/ Chris Ju	ores
	Overburden Upper Shale	led X S	th. Rig starting ounding 4 Act. Top 788.06	g coring at 90' of 15.4 Driller Est. Thick	Act. Th	Bartlett ick	/ Chris Ju	ores
	Overburden Upper Shale Iron Core Point	led X S Est. Top 769.1	th. Rig starting ounding 4 Act. Top 788.06	Est. Thick	Act. Th	ick 7	/ Chris Ju Est. 5-ft (12.0	ores
	Overburden Upper Shale Iron Core Point BH / Ironstone	led × S Est. Top 769.1 766.1	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4	g coring at 90' of 15.4 Driller Est. Thick	Act. Th	ick 7	Est. 5-ft (12.0	cores ut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 769.1 766.1 756.1	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4 749.4	Est. Thick 22.0	Act. Th 29.7	artlett ick 7	/ Chris Ju Est. 5-ft (12.0 Fe Core C 9.0	cores ut (m)
OLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Test. Top 769.1 766.1 756.1 751.1	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4 749.4 742.6	Est. Thick 22.0 Total Drilled	9.0	Bartlett ick	Est. 5-ft C 12.0 Fe Core C 9.0 e Recover 4.3 e Core Re	unkins Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 769.1 766.1 756.1	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4 749.4	Est. Thick 22.0 Total Drilled	Act. Th 29.7	artlett ick Fe	Est. 5-ft (12.0) Fe Core C 9.0 e Recover 4.3 e Core Re 47.49	unkins Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	769.1 766.1 756.1 751.1 758.40	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4 749.4 742.6 Bottom Ire	Est. Thick 22.0 Total Drilled onstone 74	9.045.4	Bartlett ick Fe	Est. 5-ft C 12.0 Fe Core C 9.0 e Recover 4.3 e Core Re	unkins Cores ut (m) red (m) rec'vd % ore Box 4
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	Fill with grave	th. Rig starting ounding 4 Act. Top 788.06 762.5 758.4 749.4 742.6 Bottom Ire	Est. Thick 22.0 Total Drilled onstone 74 vered in this 5'	9.0 45.4 Fe interv	artlett ick Fe	Est. 5-ft C 12.0 Fe Core C 9.0 e Recover 4.3 e Core Re 47.4% st./Act Co	unkins Cores ut (m) red (m) rec'vd % ore Box 4



	Program Name: 2012 C	lear Hills D	rilling Program	Project Are	a: South	Whitem	ud River	
	Hole No. Re-Drill		ole ID	LSD	SEC	TWP	RNG	MER
_	20 LAT		SW-20 LONG	1 EA	31	88	3 NORTH	W6M
LOCATION	56.67008430		45607330	41076			6281610.0	
CAI	Map Elevation (m)		Elevation (m)			RVEY BY		
2		7	83.87	M	cElhanne	y Land S	Surveys	
			SURVEYOR	'S REMARKS				
	DRILL RIG N	AME & NUN	MBER	DR		UPERINT	TENDENT er	N.
	Move In Date		e In Time	Spud			Spud Tin	ne
ING	Move Out Date	Move	Out Time	End Drill	ing Date	Er	nd Drilling	Time
DRILLING	V	eather Cor	nditions		Temp	Total	Drilling Ti	ime (Hrs
			DRILLER'S	REMARKS				
	THIS LOCATION WA	S NOT DRII	LLED					
	Casing Set Pul	ed S	ounding	Drille	r: N/A		/ N/A	
		Est. Top	Act. Top	Est. Thick	Act. Thi	ck	Est. 5-ft C	
	Overburden		783.87	20.9	0.0	-	10.0	
	Upper Shale	7000	700.0			1	Fe Core C	ut (m)
	Iron Core Point	766.0 763.0	783.9 783.9	7.0	0.0		0.0	
	BH / Ironstone Lower Shale	756.0	783.9	7.0	0.0	F	e Recover	ed (m)
β	End of Hole	751.0	783.9	Total Drilled		_	0.0	
GEOLOGY	Top Ironstone	783.87	Bottom Iro	The state of	3.87	F	e Core Re	c'vd %
GE				natone 70	5.07		st./Act Co	re Roy
	Coring Comments (L THIS LOCATION WA						3	0
							Sample	e Pail
	Geology Notes: Coal Congl	LithLa	og Name:					



F	Program Name: 2012 C	lear Hills D	rilling Program	Project Are	ea: Sout	h Whitem	ud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	20A	SI	N-20A	1	31	88	3	W6M
ON	LAT		.ONG		ST		NORTH	
ATI	56.67079640		45564980	4107	96.84		6281688.	71
LOCATION	Map Elevation (m)		levation (m) 85.74			RVEY BY		
_		,		'S REMARKS	CEMAIII	ey Land S	ourveys	
	DRILL RIG NA	AME & NUN	MBER	DR		UPERIN'	TENDENT	
	Move In Date		e In Time	Spud 2012/	Date	oou.u	Spud Tir 03:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	-	Er	nd Drilling 08:50 P	
DRII		leather Con			Temp -10.0	Total	Drilling T 5.8	ime (Hrs
	Glacial boulders/till/g	gravels dire	ctly overlying					
	Casing Set Pull	gravels dire	ctly overlying ounding 3:	ironstone unit 3.2 Drille Est. Thick	r: Cliff M	ick	/ Cliff Wa	
	Casing Set Pull Overburden	led X So	ctly overlying ounding 33	ronstone unit	r: Cliff N	ick	Est. 5-ft (Cores
	Overburden Upper Shale	ed X So	ounding 33 Act. Top 785.74	ironstone unit 3.2 Drille Est. Thick	r: Cliff M	ick	Est. 5-ft (9.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	led X So	ctly overlying ounding 3:	Est. Thick 15.0	r: Cliff M	ick	Est. 5-ft (9.0 Fe Core C 8.2	Cores aut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top	Act. Top 785.74	ironstone unit 3.2 Drille Est. Thick	Act. Th	ick	Est. 5-ft (9.0 Fe Core C 8.2	Cores Lut (m)
OGY	Overburden Upper Shale Iron Core Point	Est. Top 773.7 770.7	Act. Top 785.74 773.9 763.4	Est. Thick 15.0	Act. Th	ick	Est. 5-ft (9.0 Fe Core C 8.2 e Recover	Cores out (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 773.7 770.7 764.7	Act. Top 785.74 773.9 763.4 755.2	Est. Thick 15.0 Control of the cont	r: Cliff M Act. Th 22.3	ick	Est. 5-ft (9.0 Fe Core C 8.2	Cores Fut (m) Fred (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Fed X So Est. Top 773.7 770.7 764.7 759.7 763.40 osses, etc.) at top with gravels direct	ctly overlying ounding 33 Act. Top 785.74 773.9 763.4 755.2 752.5 Bottom Iro	Est. Thick 15.0 Constone united Est. Thick 15.0 Constant Prilled	8.2 33.2 55.17	ick F	Est. 5-ft (9.0 Fe Core C 8.2 e Recover 7.7 e Core Re	cores fut (m) red (m) rec'vd % fore Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L 99'-104' = Iron sands Glacial boulders/till/g	Est. Top 773.7 770.7 764.7 759.7 763.40 osses, etc.) at top with gravels direction till ill and gravels	Act. Top 785.74 773.9 763.4 755.2 752.5 Bottom Iro	Est. Thick 15.0 6.0 Total Drilled Instone 75	8.2 33.2 55.17	ick F	Est. 5-ft (9.0 Fe Core C 8.2 e Recover 7.7 e Core Re 93.7% st./Act Co	cores fut (m) red (m) rec'vd % fore Box 5



F	Program Name: 2012 CI	ear Hills Di	rilling Program	I Project Are	ea: South	Whitem	nud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	21	S	W-21	4	32	88	3	W6M
NO	LAT		.ONG		ST		NORTH	
Ĕ	56.66997930	-118.4	44930680	41118	83.59		6281589.	53
LOCATION	Map Elevation (m)		levation (m)			RVEY BY		
ĭ	The west of	7	79.55		cElhanne	Land S	Surveys	
H			SURVEYOR	S'S REMARKS				
	DRILL RIG NA		IBER	DR		JPERIN'	TENDENT	
	Move In Date	s Rig #2	e In Time	Spud	Date	га пага	Spud Tin	no
	Wove III Date	WOVE	e ili Tillie	2012/			10:00 Al	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	0	E	nd Drilling 05:30 PI	
DRII		eather Con			Temp -10.0	Total	Drilling Ti 7.5	me (Hr
	NO IRON INTERVAL I		RED - ALL GL			:Carthy	/ Cliff Wa	lker
	Casing Set Pulle	ENCOUNTE ed × So Est. Top	ered - ALL GL ounding 40 Act. Top	ACIAL TILL & 6.3 Drille Est. Thick	r: Cliff Mo		/ Cliff Wa	
	Casing Set Pulle Overburden	ed X So	ered - ALL GL ounding 40	ACIAL TILL & 6.3 Drille	r: Cliff Mo	ck	Est. 5-ft C 9.0	ores
	Overburden Upper Shale	ed X So	Act. Top 779.55	ACIAL TILL & 6.3 Drille Est. Thick	r: Cliff Mo	ck	Est. 5-ft C 9.0 Fe Core C	ores
	Overburden Upper Shale Iron Core Point	ed X So Est. Top 748.6	Act. Top 779.55	ACIAL TILL & 6.3 Drille Est. Thick 34.0	Act. Thic	ck	Est. 5-ft 0 9.0 Fe Core C 0.0	cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 748.6 745.6	Act. Top 779.55 747.7 733.2	ACIAL TILL & 6.3 Drille Est. Thick	r: Cliff Mo	ck	Est. 5-ft C 9.0 Fe Core C 0.0	cores ut (m)
Yac	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed X So Est. Top 748.6	Act. Top 779.55	ACIAL TILL & 6.3 Drille Est. Thick 34.0	Act. Thic	ck F	Est. 5-ft C 9.0 Fe Core C 0.0 e Recover 0.0	ores ut (m) red (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Fest. Top 748.6 745.6 740.1	Act. Top 779.55 747.7 733.2 733.2	ACIAL TILL & 6.3 Drille Est. Thick 34.0 5.5 Total Drilled	Act. Thic 46.3	ck F	Est. 5-ft C 9.0 Fe Core C 0.0	ores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	748.6 745.6 740.1 735.1 733.22 psses, etc.) NCOUNTEdepth, boul	Act. Top 779.55 747.7 733.2 733.2 733.2 Bottom Iro	ACIAL TILL & 6.3 Drille Est. Thick 34.0 5.5 Total Drilled Onstone 73 ACIAL TILL & 05' depth, Black	7: Cliff Mo Act. Thio 46.3 0.0 46.3	F F	Est. 5-ft C 9.0 Fe Core C 0.0 e Recover 0.0	ores ut (m) red (m) c'vd % re Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Lower Short Comments) NO IRON INTERVAL End of Processing	748.6 745.6 740.1 735.1 733.22 psses, etc.) ENCOUNTEdepth, boulepth, 107'-1	Act. Top 779.55 747.7 733.2 733.2 733.2 Bottom Iro ERED - ALL GL Iders at 102'-10	ACIAL TILL & 6.3 Drille Est. Thick 34.0 5.5 Total Drilled Onstone 73 ACIAL TILL & 6.3 Price of the content of the conten	Act. Thio 46.3 0.0 46.3 3.22 SHALES ck surface	F F	Est. 5-ft C 9.0 Fe Core C 0.0 e Recover 0.0 e Core Re ? Est./Act Co	ores ut (m) red (m) c'vd % re Box



	Program Name: 2012 C	Clear Hills D	rilling Program	Project Are	a: South	Whitem	nud River	
	Hole No. Re-Dril		ole ID	LSD	SEC	TWP	RNG	MER
	21R X	SI	W-21R	4	32	88	3	W6M
ON	LAT		.ONG	EA			NORTH	
Ĕ	56.67084510		44955500	41117			6281686.	21
LOCATION	Map Elevation (m)		levation (m)			RVEY BY		
_		7	85.90		cElhanne	y Land	Surveys	
	First surveyed by Iro	onstone per		'S REMARKS ndheld garmir	n - final co	ollar sur	veyed in a	fter
	DRILL RIG N	AME & NUN	MBER	DR		JPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012/0	Date		Spud Tir 09:00 A	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/18	E	nd Drilling 07:30 Pl	
DRI		Veather Con			Temp -5.0	Total	Drilling Ti	ime (Hr
	Went from area of ze		(sands?) at S					
		ero recovery	(sands?) at S	W-21 to area o		ck	(only 60m / Chris Ju Est. 5-ft 0 9.0	ınkins
	Casing Set Pul	led X S	(sands?) at Sounding 3:	W-21 to area of 5.7 Drille Est. Thick	r: Billy Ba	ck	/ Chris Ju	ores
	Overburden Upper Shale Iron Core Point BH / Ironstone	led X So	(sands?) at Sounding 3: Act. Top 785.90	W-21 to area of 5.7 Drille Est. Thick	r: Billy Ba	ck	Est. 5-ft C 9.0 Fe Core C 7.5	ores ut (m)
.0GY	Overburden Upper Shale Iron Core Point	Fest. Top 769.9 766.9	(sands?) at Sounding 38 Act. Top 785.90 766.1 761.5	W-21 to area of 5.7 Drilled Est. Thick 19.0	Act. Thic	artlett ck	Est. 5-ft C 9.0 Fe Core C 7.5 e Recover 7.2	cores ut (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 769.9 766.9 761.9	7 (sands?) at Sounding 39 Act. Top 785.90 766.1 761.5 754.1	W-21 to area of 5.7 Drille Est. Thick 19.0 5.0 Total Drilled	Act. Thic 24.4	artlett ck	Est. 5-ft C 9.0 Fe Core C 7.5	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	769.9 766.9 761.9 761.55 cosses, etc.)	7 (sands?) at Sounding 38 Act. Top 785.90 766.1 761.5 754.1 750.2 Bottom Iro	W-21 to area of 5.7 Drille Est. Thick 19.0 5.0 Total Drilled onstone 75	7.5 35.7	ck F	Est. 5-ft C 9.0 Fe Core C 7.5 e Recover 7.2	unkins Cores ut (m) red (m) c'vd % fore Box 4
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L - Significantly difference	Est. Top 769.9 766.9 761.9 756.9 761.55 cosses, etc.) ent results froverlying iroutill directly over	Act. Top 785.90 766.1 761.5 754.1 750.2 Bottom Iron onstone unit	W-21 to area of 5.7 Drille 5.7 Drille 6.7 Drille 6.0 Total Drilled 6.0 mm merely 6.0 mm merely 6.0 mm	7.5 35.7	ck F	Fe Core C 7.5 e Recover 7.2 e Core Re 95.9% est./Act Co	unkins Cores ut (m) c'vd % ore Box 4



P	rogram Name: 2012 C	lear Hills D	rilling Program	n Project Are	ea: South	n Whiten	nud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	22	S	SW-22	3	32	88	3	W6M
N	LAT		.ONG		ST		NORTH	
LOCATION	56.67020140		44278670	4115	83.64		6281605.	81
00	Map Elevation (m)		levation (m)			RVEY B		
-		/	89.15 SURVEYOR	N R'S REMARKS	cElhanne	ey Land	Surveys	
	DRILL RIG NA	AME & NUN	MBER	DR		UPERIN	TENDENT	à,
	Move In Date 2012/02/10		e In Time 2:00 PM	Spud 2012/			Spud Tir 01:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/12	E	nd Drilling 12:24 A	
R	Value of the second	leather Con vinter weath	er with clear s	sky	-22.0	TOtal	Drilling T 11.4	ille (His
	Gravel at 70' depth w		ing sands - po				/ Cliff Wa	lker
			ing sands - po	oor recoveries		cCarthy	/ Cliff Wa	
		led X S	ing sands - po ounding 3	88.7 Drille	r: Cliff M	cCarthy		
	Casing Set Pull	led X S	ounding 3 Act. Top	88.7 Drille Est. Thick	r: Cliff M	cCarthy	Est. 5-ft 0	Cores
	Casing Set Pull Overburden	led X S	ounding 3 Act. Top	88.7 Drille Est. Thick	r: Cliff M	cCarthy	Est. 5-ft (Cores
	Overburden Upper Shale	Est. Top	ounding 3 Act. Top 789.15	88.7 Drille Est. Thick	r: Cliff M	ick	Est. 5-ft (9.0 Fe Core C	Cores ut (m)
,	Overburden Upper Shale Iron Core Point	Est. Top	ing sands - poounding 3 Act. Top 789.15	Est. Thick 13.9	r: Cliff M Act. Th 27.0	ick	Est. 5-ft (9.0 Fe Core C 8.5	Cores ut (m)
LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 778.3 775.3	ing sands - poounding 3 Act. Top 789.15 780.9 762.1	Est. Thick 13.9	r: Cliff M Act. Th 27.0	ick	Est. 5-ft (9.0 Fe Core C 8.5	Cores ut (m) red (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fst. Top 778.3 775.3 769.8	ing sands - poounding 3 Act. Top 789.15 780.9 762.1 753.6	Est. Thick 13.9 5.5 Total Drilled	r: Cliff M Act. Th 27.0	ick	Est. 5-ft (9.0 Fe Core C 8.5 Fe Recover 4.7	Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	778.3 775.3 769.8 764.8 762.14 0sses, etc.) (27.9' from top of IR separated by a thir	Act. Top 789.15 780.9 762.1 753.6 750.4 Bottom Ire R to bottom but actually in (1.7 m) shale unit interval - See handwritt	Est. Thick 13.9 5.5 Total Drilled onstone 75 only 22.4' thick)** en highlighted notes abo	7: Cliff M Act. Th 27.0 8.5 38.7	ick	Est. 5-ft 0 9.0 Fe Core C 8.5 Fe Recover 4.7 Fe Core Re	cores ut (m) red (m) c'vd % ore Box 6
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L **IR intervals split by shale horizon - Iron interval split into two sections - 6.8 meter combined iron thickness	Fest. Top 778.3 775.3 769.8 764.8 762.14 Osses, etc.) (27.9' from top of IR is separated by a thir i' over an 8.5 meter 22' depth (but not m	Act. Top 789.15 780.9 762.1 753.6 750.4 Bottom Ire R to bottom but actually in (1.7 m) shale unit interval - See handwrittnuch). Hit another grave	Est. Thick 13.9 5.5 Total Drilled onstone 75 only 22.4' thick)** en highlighted notes about the detail and age	7: Cliff M Act. Th 27.0 8.5 38.7 33.64	ick	Est. 5-ft 0 9.0 Fe Core C 8.5 Fe Recover 4.7 Fe Core Re 54.8% Est./Act Co	cores ut (m) red (m) c'vd % ore Box 6



	Hole No. De Delli		ele ID	100	CEC	TIME	DNO	MED
	Hole No. Re-Drill		ole ID W-23	LSD 2	SEC 32	TWP 88	RNG 3	MER W6M
7	LAT	1176		00	NORTH			
LOCATION	56.67023800		EAST 411980.20		6281601.55			
CA	56.67023800 -118.43631650 Map Elevation (m) Collar Elevation (m)			SURVE			7.59	
2	2000	Me	Elhanne	y Land S	Surveys			
	782.14 SURVEYOR'		'S REMARKS					
	DRILL RIG N. Radi	AME & NUN	IBER	DRI		UPERIN'	TENDENT	
	Move In Date 2012/02/12	Move	e In Time 1:00 PM	Spud 2012/0			Spud Tir 11:45 P	
DRILLING	Move Out Date	Move	Out Time	End Drilli 2012/0	-	Er	od Drilling 07:00 A	
	cold n	-						
	ROD MISCOUNT - EN		E = 154' (ORIGI				REASED B	
	ROD MISCOUNT - EN		E = 154' (ORIGI	NAL EOH=184		artlett		unkins
	ROD MISCOUNT - EN	led X S	E = 154' (ORIGI ounding 46	NAL EOH=184 5.9 Driller	: Billy B	artlett	/ Chris Ju	unkins Cores
	ROD MISCOUNT - EN	led X S	E = 154' (ORIGI ounding 46 Act. Top	NAL EOH=184 5.9 Driller Est. Thick	: Billy B	ick	/ Chris Ju	Cores
	ROD MISCOUNT - EN Casing Set Pul Overburden	led X S	E = 154' (ORIGI ounding 46 Act. Top	NAL EOH=184 5.9 Driller Est. Thick	: Billy B	ick	/ Chris Ju Est. 5-ft (10.0	Cores
	ROD MISCOUNT - EN Casing Set Pul Overburden Upper Shale	Est. Top 753.1 750.1	Act. Top 782.14 762.8 756.4	NAL EOH=184 5.9 Driller Est. Thick	: Billy B	ick	/ Chris Ju Est. 5-ft (10.0 Fe Core C	Cores ut (m)
šÝ	Casing Set Pul Overburden Upper Shale Iron Core Point	Fest. Top 753.1 750.1 743.6	E = 154' (ORIGI ounding 46 Act. Top 782.14 762.8 756.4 748.9	S.9 Driller Est. Thick 32.0	Act. Thi 25.8	artlett ick	/ Chris Ju Est. 5-ft (10.0 Fe Core C 7.5	cores ut (m)
LOGY	Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 753.1 750.1	Act. Top 782.14 762.8 756.4	S.9 Driller Est. Thick 32.0	Act. Thi	artlett ick	Est. 5-ft (10.0 Fe Core C 7.5 e Recover	cores ut (m)
JEOLUGY .	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 753.1 750.1 743.6	E = 154' (ORIGI ounding 46 Act. Top 782.14 762.8 756.4 748.9	Est. Thick 32.0 6.5 Total Drilled	Act. Thi 25.8	artlett ick	Est. 5-ft (10.0 Fe Core C 7.5 e Recover	unkins Cores ut (m) red (m)
GEOLOGY	Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	753.1 750.1 743.6 738.6 756.38 Osses, etc.) ND OF HOLE = - switched to his hole (~50%)	E = 154' (ORIGI ounding 46 Act. Top 782.14 762.8 756.4 748.9 735.2 Bottom Iro	Est. Thick 32.0 6.5 Total Drilled nstone 74 ECREASED BY 3	7.5 46.9	artlett ick F	Est. 5-ft C 10.0 Fe Core C 7.5 e Recover 4.2	unkins Cores ut (m) red (m) red % re Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L *** RODS MISCOUNT - EI - Hit gravels at 35' depth - Terrible recoveries in the	753.1 750.1 743.6 738.6 756.38 cosses, etc.) ND OF HOLE = - switched to his hole (~50% he ironstone till above 10' of the control of the con	Act. Top 782.14 762.8 756.4 748.9 735.2 Bottom Iro 154' - DEPTHS D core bit (hit some) possibly due to	Est. Thick 32.0 6.5 Total Drilled nstone 74 ECREASED BY 3 thing hard) the sandy and lo	7.5 46.9	artlett ick F	Fe Core C 7.5 e Recover 4.2 e Core Re 56.5%	unkins Cores ut (m) cc'vd % ore Box 5



	Togram Name. 2012 C	rical Tillis D	rilling Program	r Froject Are	ea: Souti	n wnitem	ud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	24	S	SW-24	1	32	88	3	W6M
NO	LAT		ONG		EAST		NORTH	
T	56.67013860 -118.42963810			4123	412389.20			93
LOCATION	Map Elevation (m)		levation (m)		SURVEY			
ĭ	774.95 SURVEYOR'S			cElhanne	ey Land S	Surveys		
		3 KEWAKKS						
	DRILL RIG N.	MBER	DR		UPERIN'	TENDENT		
	Move In Date		e In Time	Spud 2012/	Date 02/13		Spud Tir 08:45 A	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/13	Er	nd Drilling 11:35 P	
DR		Veather Con vinter weath		-10.0	Total	Drilling T 14.9	ime (Hrs	
	Control of the Control			SREMARKS				V
	Very poor recoveries Casing Set Pul		al in 5' tube in	iron sands. V			en 73'-78' / Chris Ju	
	Casing Set Pul	led X S	val in 5' tube in ounding 3' Act. Top	iron sands. V 9.0 Drille Est. Thick	r: Billy B	Bartlett ick	/ Chris Ju	unkins Cores
	Casing Set Pul Overburden	led X S	val in 5' tube in ounding 3	iron sands. V 9.0 Drille	r: Billy B	Bartlett ick	/ Chris Ju	unkins Cores
	Overburden Upper Shale	led X Se Est. Top	val in 5' tube in ounding 3 Act. Top 774.95	iron sands. V 9.0 Drille Est. Thick	r: Billy B	ick	Est. 5-ft (11.0	Cores
	Overburden Upper Shale Iron Core Point	led X Se Est. Top 751.0	Act. Top 774.95	9.0 Drille Est. Thick 27.0	Act. Th	ick	/ Chris Ju Est. 5-ft (11.0	Cores
	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 751.0 748.0	Act. Top 774.95 767.3 755.3	iron sands. V 9.0 Drille Est. Thick	r: Billy B	ick	Est. 5-ft (11.0 Fe Core C 8.0 e Recover	cores ut (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fst. Top 751.0 748.0 739.5	Act. Top 774.95 767.3 755.3 747.3	e iron sands. V 9.0 Drille Est. Thick 27.0	r: Billy B Act. Th 19.7	ick F	/ Chris Ju Est. 5-ft (11.0 Fe Core C 8.0	cores ut (m)
)LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 751.0 748.0	Act. Top 774.95 767.3 755.3	e iron sands. V 9.0 Drille Est. Thick 27.0 8.5	r: Billy B Act. Th 19.7 8.0	ick F	Est. 5-ft (11.0) Fe Core C 8.0 e Recover 2.7	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fst. Top 751.0 748.0 739.5	Act. Top 774.95 767.3 755.3 747.3	e iron sands. V 9.0 Drille Est. Thick 27.0 8.5	r: Billy B Act. Th 19.7	ick F	Est. 5-ft (11.0 Fe Core C 8.0 e Recover 2.7 e Core Re 34.5%	unkins Cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	751.0 748.0 739.5 734.5 755.29 cosses, etc.) t a "void" waills rods and	Act. Top 774.95 767.3 755.3 747.3 735.9 Bottom Iro as hit between 7 core barrel just	iron sands. V 9.0 Drille Est. Thick 27.0 8.5 Total Drilled onstone 74 3'-78' depth (with drifted down with the same of the s	Act. Th 19.7 8.0 39.0 7.33	ick F	Est. 5-ft (11.0) Fe Core C 8.0 e Recover 2.7	unkins Cores ut (m) red (m) red % re Box 5
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L Drillers mentioned that sands interval). The dr	Fest. Top 751.0 748.0 739.5 734.5 755.29 Cosses, etc.) t a "void" waills rods and eing applied.	Act. Top 774.95 767.3 755.3 747.3 735.9 Bottom Iro s hit between 7 core barrel just No core was re	eiron sands. V 9.0 Drille Est. Thick 27.0 8.5 Total Drilled Onstone 74 3'-78' depth (with drifted down were dow	Act. Th 19.7 8.0 39.0 7.33	ick F	Est. 5-ft (11.0) Fe Core C 8.0 e Recover 2.7 fe Core Re 34.5% est./Act Co	unkins Cores ut (m) red (m) red % re Box 5



	Hole No. Re-Drill	Н	ole ID	LSD				MER
	25	S	W-25	16	18	88	3 W	V6M
O	LAT				EAST		NORTH	
ATI	56.63725580 -118.45618630 Map Elevation (m) Collar Elevation (m)		410684.70 6277956.51 SURVEY BY					
LOCATION	Map Elevation (m)	M	cElhanney l		ve			
_			94.11 SURVEYOR	S'S REMARKS				
	DRILL RIG NA	AME & NUN	IBER	DR	ILLING SUP	ERINTEND	ENT	
	Move In Date		e In Time	Spud 2012/	Date	Spu	d Time	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/		End Dri 07:0	illing Tir 05 AM	ne
DRII		eather Con			Temp -20.0	Total Drillin	ng Time 8.1	(Hrs
			DRILLER'S	SREMARKS				
	Switched to core bit at 2AM (Feb 18	b 19) at 77' depth because	se bit got clogged a	nd needed unplugg	ing			
		ed X So			r: Cliff McC			r
						arthy / Clif		
		ed X S	ounding 3	1.1 Drille	r: Cliff McC	arthy / Clif	f Walke	
	Casing Set Pull	ed X S	ounding 3 Act. Top	1.1 Drille	r: Cliff McC	Est. (f Walke	es
	Casing Set Pull Overburden	ed × So Est. Top 776.0	Act. Top 794.11	1.1 Drille	r: Cliff McC Act. Thick 24.9	Est. (f Walke 5-ft Core 9.0	es
	Overburden Upper Shale Iron Core Point BH / Ironstone	ed × Se Est. Top 776.0 773.0	Act. Top 794.11 776.7 769.2	1.1 Drille	r: Cliff McC	Est. 5	5-ft Core 9.0 pre Cut (es (m)
GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed X Se Est. Top 776.0 773.0 767.0	Act. Top 794.11 776.7 769.2 767.4	1.1 Drille Est. Thick 21.1 6.0	Act. Thick 24.9	Est. 5	5-ft Core 9.0 ore Cut (es (m)
)LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	ed × Se Est. Top 776.0 773.0	Act. Top 794.11 776.7 769.2	1.1 Drille Est. Thick 21.1	r: Cliff McC Act. Thick 24.9	Est. 5 Fe Co	5-ft Core 9.0 ore Cut (1.8 covered 1.2	es (m) (m)
SEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	ed X Se Est. Top 776.0 773.0 767.0	Act. Top 794.11 776.7 769.2 767.4	1.1 Drille Est. Thick 21.1 6.0 Total Drilled	Act. Thick 24.9	Est. 5 Fe Co	5-ft Core 9.0 ore Cut (1.8 covered 1.2	es (m) (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	ed × Se Est. Top 776.0 773.0 767.0 762.0 769.19 osses, etc.)	Act. Top 794.11 776.7 769.2 767.4 763.0 Bottom Iro	1.1 Drille Est. Thick 21.1 6.0 Total Drilled	r: Cliff McC Act. Thick 24.9	Est. 5 Fe Co Fe Rec	5-ft Core 9.0 ore Cut (1.8 covered 1.2	es (m) (m) d %
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le	ed × Se Est. Top 776.0 773.0 767.0 762.0 769.19 osses, etc.)	Act. Top 794.11 776.7 769.2 767.4 763.0 Bottom Iro	1.1 Drille Est. Thick 21.1 6.0 Total Drilled	r: Cliff McC Act. Thick 24.9	Fe Cor Fe Cor Est./Ac 3	5-ft Core 9.0 ore Cut (1.8 covered 1.2 re Rec'v 67.8%	es (m) (m) d % Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (Le	ed × So Est. Top 776.0 773.0 767.0 762.0 769.19 osses, etc.) erlying iron	Act. Top 794.11 776.7 769.2 767.4 763.0 Bottom Iro	Est. Thick 21.1 6.0 Total Drilled onstone 76	r: Cliff McC Act. Thick 24.9	Fe Cor Fe Cor Est./Ac 3	5-ft Core 9.0 ore Cut (1.8 covered 1.2 re Rec'v 67.8%	es (m) (m) d % Box



Note		Hole No. Re-Dril	I Н	ole ID	LSD	SEC	TWP	RNG	MER
DRILL RIG NAME & NUMBER Radius Rig #2 DRILLING SUPERINTENDENT Howard Harder DRILL RIG NAME & NUMBER Radius Rig #2 DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT DRILLING SUPERINTENDENT Howard Harder DRILLING SUPERINTENDENT DRILLING		26	S	SW-26	13	17	88	3	W6M
DRILL RIG NAME & NUMBER Radius Rig #2 Howard Harder Move In Date Move In Time Spud Date 2012/02/18 02:30 PM Move Out Date Move Out Time End Drilling Date 2012/02/18 07:12 PM Weather Conditions Mild February day weather DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Dest. Thick Act. Thick Set. 5-ft Cores 27.8 30.3 10.0 Fe Core Cut (m. 5.3 Fe Recovered (m. 4.8 Fe Core Rec'vd 91.6% Coring Comments (Losses, etc.) 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales	NO			411094.53					
DRILL RIG NAME & NUMBER Radius Rig #2 Move In Date Move In Time Spud Date 2012/02/18 02:30 PM Move Out Date Move Out Time End Drilling Date 2012/02/18 07:12 PM Weather Conditions Mild February day weather DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Dest. Thick Act. Thick Sover Shale Iron Core Point 774.9 774.7 Shale Iron Core Point 774.9 774.7 Shale Iron Core Point 769.4 760.9 Total Drilled 38.7 Fe Recovered (notation in the property of	ATIC		41109				6277952.17		
DRILL RIG NAME & NUMBER Radius Rig #2 Move In Date Move In Time Spud Date 2012/02/18 02:30 PM Move Out Date Move Out Time End Drilling Date 2012/02/18 07:12 PM Weather Conditions Mild February day weather DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top DRILLER'S REMARKS Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Dest. Thick Act. Thick Sover Shale Iron Core Point 774.9 774.7 Shale Iron Core Point 774.9 774.7 Shale Iron Core Point 769.4 760.9 Total Drilled 38.7 Fe Recovered (notation in the property of	00	Map Elevation (m)							
Radius Rig #2 Move In Date Move In Date Move Out Date Move Out Date Move Out Time End Drilling Date 2012/02/18 Weather Conditions Mild February day weather DRILLER'S REMARKS Casing Set Pulled Sounding Best. Top Act. Top Upper Shale Iron Core Point Iron Core Point Cower Shale End of Hole Total Orilling Time Or:12 PM Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling Time (Inc.) Est. Thick Act. Thick Act. Thick Sounding Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling Time (Inc.) Fe Core Cut (Inc.) Sounding Total Drilling	_		/			cElhanne	y Land	Surveys	
Move In Date Move In Time Spud Date 2012/02/18 Move Out Date Move Out Date Move Out Date Move Out Time End Drilling Date 2012/02/18 Weather Conditions Mild February day weather DRILLER'S REMARKS Casing Set Pulled Sounding Toplice: Cliff McCarthy / Cliff Walker Sounding Sounding Sounding Sounding Total Drilling Time O':12 PM Total Drilling Time O':12 PM Total Drilling Time O':12 PM Sounding Total Drilling End Drilling Time O':12 PM Sounding Total Drilling Sounding Fest. 5-ft Cores Sounding Fe Core Cut (m Sounding Sounding Fe Core Cut				MBER	DR				
Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Set. Thick Act. Thick Overburden 799.66 27.8 30.3 10.0 Fe Core Cut (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Core Rec'vd 91.6% Fe Core Re				e In Time		Date	aru naru	Spud Tir	
Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Set. Thick Act. Thick Overburden 799.66 27.8 30.3 10.0 Fe Core Cut (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Recovered (m. 5.3 Fe Core Rec'vd.	LING	Move Out Date	Move	Out Time			E		
Casing Set Pulled X Sounding 38.7 Driller: Cliff McCarthy / Cliff Walker Est. Top Act. Top Est. Thick Act. Thick Overburden 799.66 27.8 30.3 10.0 Upper Shale Iron Core Point 774.9 774.7 BH / Ironstone 771.9 769.3 6.5 5.3 Lower Shale 765.4 764.1 End of Hole 760.4 760.9 Total Drilled 38.7 Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales	DRILL			Temp To -6.5			otal Drilling Time (H		
Upper Shale Iron Core Point 774.9 774.7 BH / Ironstone 771.9 769.3 6.5 5.3 Lower Shale 765.4 764.1 End of Hole 760.4 760.9 Total Drilled 38.7 Top Ironstone 769.33 Bottom Ironstone 764.07 Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales		Att the same		DRILLER'	SREMARKS				
Iron Core Point 774.9 774.7 BH / Ironstone 771.9 769.3 6.5 5.3 Lower Shale 765.4 764.1 End of Hole 760.4 760.9 Total Drilled 38.7 Top Ironstone 769.33 Bottom Ironstone 764.07 Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales		VELV201571-11		ounding 3	8.7 Drille	Act. Thi	ck	Est. 5-ft C	Cores
Lower Shale 765.4 764.1 End of Hole 760.4 760.9 Total Drilled 38.7 Top Ironstone 769.33 Bottom Ironstone 764.07 Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales		Overburden		ounding 3	8.7 Drille	Act. Thi	ck	Est. 5-ft 0	cores
End of Hole 760.4 760.9 Total Drilled 38.7 Top Ironstone 769.33 Bottom Ironstone 764.07 Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales		Overburden Upper Shale	Est. Top	Act. Top 799.66	8.7 Drille	Act. Thi	ck	Est. 5-ft 0 10.0 Fe Core C	cores
Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales	Annual Control	Overburden Upper Shale Iron Core Point	774.9	ounding 3 Act. Top 799.66	8.7 Drille Est. Thick 27.8	Act. Thi	ck	Est. 5-ft 0 10.0 Fe Core C 5.3	Cores ut (m)
Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales	<u>}</u>	Overburden Upper Shale Iron Core Point BH / Ironstone	774.9 771.9	ounding 3 Act. Top 799.66 774.7 769.3	8.7 Drille Est. Thick 27.8	Act. Thi	ck	Est. 5-ft 0 10.0 Fe Core C 5.3 e Recover	Cores ut (m)
Coring Comments (Losses, etc.) - 92' depth at 5:50PM 18 Feb 2012 - Shale contacting both boundaries of ironstone Geology Notes: Small chunks of gravel/boulders situated on top of shales	LOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	774.9 771.9 765.4	Ounding 3 Act. Top 799.66 774.7 769.3 764.1	8.7 Drille Est. Thick 27.8	Act. Thi 30.3	ck	Est. 5-ft 0 10.0 Fe Core C 5.3 e Recover 4.8	Cores ut (m)
	FOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	774.9 771.9 765.4 760.4	Act. Top 799.66 774.7 769.3 764.1 760.9	8.7 Drille Est. Thick 27.8 6.5 Total Drilled	Act. Thi 30.3 5.3 38.7	ck	Est. 5-ft C 10.0 Fe Core C 5.3 e Recover 4.8	cores ut (m) red (m)
M. M	GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L - 92' depth at 5:50PM	774.9 771.9 765.4 760.4 769.33 cosses, etc.)	Act. Top 799.66 774.7 769.3 764.1 760.9 Bottom Ire	8.7 Drille Est. Thick 27.8 6.5 Total Drilled onstone 76	Act. Thi 30.3 5.3 38.7	ck F	Est. 5-ft 0 10.0 Fe Core C 5.3 Fe Recover 4.8 Fe Core Re 91.6% Est./Act Co	cores ut (m) red (m) red % re Box 3



	rogram Name: 2012 C	lear Hills D	rilling Program	n Project Are	ea: South	Whiten	nud River	
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	27	S	W-27	14	17	88	3	W6M
ON	LAT		ONG		ST		NORTH	
LOCATION	56.63721370		44266680	4115	13.75		6277934.	29
00	Map Elevation (m)		levation (m)			RVEY B		
۲		8	02.61		cElhanne	y Land	Surveys	
			SURVEYOR	'S REMARKS				
	DRILL RIG N		IBER	DR			TENDENT	
		us Rig #2				ard Hard		
	Move In Date	Move	e In Time	2012/	Date 02/18		Spud Tir 01:30 A	
DRILLING	Move Out Date	Move	Out Time		ing Date	E	nd Drilling 12:30 P	Time
DRIL		leather Con	ditions winter night		Temp -21.0	Total	Drilling T	ime (Hrs
	Hit iron at 125' depth		Feb 18th 201		r: Cliff M	cCarthy	/ Cliff Wa	lker
	Casing Set Pul		Feb 18th 201 ounding 4: Act. Top	2 3.3 Drille Est. Thick	Act. Thi	ck	/ Cliff Wa	Cores
	Casing Set Pul Overburden	led X So	Feb 18th 201 ounding 4	2 3.3 Drille		ck	Est. 5-ft (Cores
	Overburden Upper Shale	led X So Est. Top	Act. Top 802.61	2 3.3 Drille Est. Thick	Act. Thi	ck	Est. 5-ft (10.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	Est. Top	Act. Top 802.61 766.9	2 3.3 Drille Est. Thick 38.9	Act. Thi 35.7	ck	Est. 5-ft (10.0 Fe Core C 4.6	cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	Est. Top 766.7 763.7	Act. Top 802.61 766.9 766.9	2 3.3 Drille Est. Thick	Act. Thi	ck	Est. 5-ft (10.0 Fe Core C 4.6	Cores ut (m)
)GY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Est. Top	Act. Top 802.61 766.9	2 3.3 Drille Est. Thick 38.9	Act. Thi 35.7	ck	Est. 5-ft (10.0 Fe Core C 4.6 Fe Recover 4.0	Cores ut (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	Fest. Top 766.7 763.7 756.2	Act. Top 802.61 766.9 762.4	2 3.3 Drille Est. Thick 38.9 7.5 Total Drilled	Act. Thi 35.7	ck	Est. 5-ft (10.0 Fe Core C 4.6	cores ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Fest. Top 766.7 763.7 756.2 751.2 766.95 cosses, etc.) 7' downward from 122'	Act. Top 802.61 766.9 766.9 762.4 759.3 Bottom Iro	2 3.3 Drille Est. Thick 38.9 7.5 Total Drilled	Act. Thi 35.7 4.6 43.3	ck F	Est. 5-ft (10.0 Fe Core C 4.6 Fe Recover 4.0	cores ut (m) red (m) rec'vd % ore Box 2
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L - Sandy iron from 117 - More solid ironstone	766.7 763.7 756.2 751.2 766.95 cosses, etc.) 7' downwarde from 122' eneath irons	Act. Top 802.61 766.9 766.9 762.4 759.3 Bottom Iro	2 3.3 Drille Est. Thick 38.9 7.5 Total Drilled onstone 76	Act. Thi 35.7 4.6 43.3	ck F	Est. 5-ft (10.0 Fe Core C 4.6 Fe Recover 4.0 Fe Core Re 88.0% Est./Act Co 3	cores ut (m) red (m) c'vd % ore Box 2 e Pail



	Program Name: 2012 C	icai iiiio b	rilling Program	rioject An	ea: Souti	1 whitem	ud River		
	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER	
	28	S	W-28	9	18	88	3	W6M	
ON	LAT LONG				EAST			NORTH	
LOCATION	56.63385660 -118.45606250		4106	410684.26		6277578.	03		
00	Map Elevation (m)		levation (m)	210		RVEY BY			
_	N-141X	,	92.78 SURVEYOR	'S REMARKS	cElhanne	ey Land S	surveys		
	DRILL RIG NA	AME & NUN	IBER	DR		UPERINT	TENDENT		
	Move In Date		e In Time	Spud 2012/	Date	ara mara	Spud Tir 12:30 A		
LING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/21	Er	of:15 A		
DRILLING	W	leather Con			Temp -16.0	Total	Drilling T 4.8	ime (Hrs	
	Switched to core bit	200		SREMARKS					
		at 2:30AM F	eb 21st 2012. ounding 3	0.2 Drille			/ Cliff Wa		
	Casing Set Pull	at 2:30AM F	Feb 21st 2012. ounding 3 Act. Top	0.2 Drille	Act. Th	ick	Est. 5-ft (
	Casing Set Pull Overburden	at 2:30AM F	eb 21st 2012. ounding 3	0.2 Drille		ick	Est. 5-ft (Cores	
	Overburden Upper Shale	at 2:30AM Find X Seed X See	Feb 21st 2012. ounding 3 Act. Top 792.78	0.2 Drille	Act. Th	ick	Est. 5-ft (9.0 Fe Core C	Cores	
	Overburden Upper Shale Iron Core Point	at 2:30AM Fred X Sc Est. Top	Feb 21st 2012. ounding 3 Act. Top	Drille Est. Thick 6.0	Act. Th 22.4	ick	Est. 5-ft (9.0 Fe Core C 4.3	Cores ut (m)	
	Overburden Upper Shale Iron Core Point BH / Ironstone	at 2:30AM Find X Seed X See	Feb 21st 2012. ounding 3 Act. Top 792.78	0.2 Drille	Act. Th	ick	Est. 5-ft (9.0 Fe Core C 4.3 e Recover	Cores ut (m)	
OGY YES	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	at 2:30AM Fred X So Est. Top 789.8 786.8	Act. Top 792.78 774.8 770.4	Drille Est. Thick 6.0	Act. Th 22.4	ick	Est. 5-ft (9.0 Fe Core C 4.3 e Recover 2.4	Cores ut (m) red (m)	
iEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone	at 2:30AM Filed × So Est. Top 789.8 786.8 780.8	Feb 21st 2012. ounding 3 Act. Top 792.78 774.8 770.4 766.1	Drille Est. Thick 6.0 6.0 Total Drilled	Act. Th 22.4 4.3	ick	Est. 5-ft (9.0 Fe Core C 4.3 e Recover	cores ut (m) red (m)	
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	at 2:30AM Free Set Set Set Set Set Set Set Set Set S	Feb 21st 2012. Sounding 3 Act. Top 792.78 774.8 770.4 766.1 762.6 Bottom Iro	Est. Thick 6.0 6.0 Total Drilled onstone 76 onal contact)	Act. Th 22.4 4.3 30.2 66.11	ick F	Est. 5-ft (9.0 Fe Core C 4.3 e Recover 2.4 e Core Re	cores ut (m) red (m) c'vd % ore Box 3	
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L - Glacial till directly of	at 2:30AM Filed × Solution Sees, etc.) at 2:30AM Filed × Solution Sees, etc.)	Act. Top 792.78 774.8 770.4 766.1 762.6 Bottom Iro	Est. Thick 6.0 6.0 Total Drilled onstone 76 onal contact) DRILLING PR	Act. Th 22.4 4.3 30.2 66.11	ick F	Est. 5-ft (9.0 Fe Core C 4.3 e Recover 2.4 e Core Re 56.0% st./Act Co	cores ut (m) red (m) red % re Box 3	



	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	29	s	W-29	12	17	88	3	W6M
Z	LAT				EAST		NORTH	
E	56.63375620				411068.58			6277558.70
LOCATION	Map Elevation (m)		levation (m)		SUI	RVEY BY	Y	
7		7	90.66		cElhanne	y Land	Surveys	
		R'S REMARKS						
	DRILL RIG N	AME & NUN	IBER	DR		UPERIN'	TENDENT	
	Move In Date	M. C.	e In Time	Spud 2012/	Date	ara mara	Spud Tir 09:00 P	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/20	Ei	nd Drilling 02:00 A	
4	Weather Conditions mildly cold and snowy February nig DRILLER 23:15 Feb 19th 2012 drill was coring at 67' de			Temp	Total	Drilling T	me (Hr	
D	23:15 Feb 19th 2012	drill was co	DRILLER' ring at 67' de	S REMARKS	-15.0	cCarthy	5.0	lker
O	23:15 Feb 19th 2012	A CONTRACTOR OF THE PARTY OF TH	DRILLER' ring at 67' de	S REMARKS		ck	5.0 / Cliff Wa Est. 5-ft (ores
Q	23:15 Feb 19th 2012 Casing Set Pul	drill was co	DRILLER' ring at 67' depounding 3 Act. Top	S REMARKS oth. 1.1 Drille Est. Thick	r: Cliff Mo	ck	/ Cliff Wa	cores
D	23:15 Feb 19th 2012 Casing Set Pul Overburden Upper Shale	drill was co led X So Est. Top	DRILLER' ring at 67' depounding 3 Act. Top 790.66	S REMARKS oth. 1.1 Drille Est. Thick	r: Cliff Mo	ck	/ Cliff Wa Est. 5-ft 0 10.0 Fe Core C	cores ut (m)
	23:15 Feb 19th 2012 Casing Set Pul Overburden Upper Shale Iron Core Point	drill was co led × So Est. Top	DRILLER' ring at 67' depounding 3 Act. Top 790.66	S REMARKS oth. 1.1 Drille Est. Thick 11.0	r: Cliff Mo Act. Thi 20.9	ck	/ Cliff Wa Est. 5-ft (10.0 Fe Core C 5.5	cores ut (m)
	23:15 Feb 19th 2012 Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone	drill was co led × So Est. Top 782.7 779.7	DRILLER' ring at 67' depounding 3 Act. Top 790.66 773.3 769.8	S REMARKS oth. 1.1 Drille Est. Thick 11.0	r: Cliff Mo Act. Thi 20.9	ck	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 5.5 e Recover	cores ut (m)
	23:15 Feb 19th 2012 Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	drill was co led × So Est. Top 782.7 779.7 773.2	DRILLER' ring at 67' depounding 3 Act. Top 790.66 773.3 769.8 764.3	S REMARKS oth. 1.1 Drille Est. Thick 11.0 6.5 Total Drilled	r: Cliff Mo Act. Thi 20.9	ck	/ Cliff Wa Est. 5-ft C 10.0 Fe Core C 5.5 e Recover	c'vd %
GEOLOGY	23:15 Feb 19th 2012 Casing Set Pul Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	drill was co led × So Est. Top 782.7 779.7 773.2 768.2 769.78 osses, etc.) ron. PY RADIUS RIChole and pack	DRILLER' ring at 67' depounding 3 Act. Top 790.66 773.3 769.8 764.3 759.6 Bottom Ire	S REMARKS oth. 1.1 Drille Est. Thick 11.0 6.5 Total Drilled onstone 76	r: Cliff Mo Act. Thi 20.9 5.5 31.1 64.29	ck F	Fe Core C 5.5 e Recover 3.2	cores ut (m) red (m) c'vd % re Box 3



	Hole No. Re-Drill	Н	ole ID	LSD	SEC	TWP	RNG	MER
	30	S	W-30	11	17	88	3	W6M
ON	LAT	56.63374490 -118.44290990			EAST 411490.72		NORTH 6277548.54	
ATI				4114				
LOCATION	Map Elevation (m)		levation (m) 99.02		cElhanne	RVEY BY		
1		,		R'S REMARKS	CLINATING	y Lanu (Surveys	
	DRILL RIG N	AME & NUN	IBER	DR		UPERIN	TENDENT	
	Move In Date		e In Time	Spud 2012 /	Date		Spud Tir 10:00 A	
DRILLING	Move Out Date	Move	Out Time	End Drill 2012/	ing Date 02/19	E	nd Drilling 05:45 P	
	70' deep about to co	re at 2:45PM		S REMARKS				
	Casing Set Pul		Wide Feb 19th 201 ounding 4 Act. Top	0.2 Drille	Act. Thi	ick	/ Cliff Wa	Cores
	Casing Set Pul Overburden	led X S	Wi Feb 19th 201 ounding 4	0.2 Drille		ick		Cores
	Overburden Upper Shale	led X Se Est. Top	Act. Top 799.02	0.2 Drille	Act. Thi	ick	Est. 5-ft (10.0 Fe Core C	Cores
	Overburden Upper Shale Iron Core Point	led X Se Est. Top 775.0	Act. Top 799.02	0.2 Drille Est. Thick 27.0	Act. Thi 32.1	ick	Est. 5-ft (10.0 Fe Core C 4.9	Cores ut (m)
	Overburden Upper Shale Iron Core Point BH / Ironstone	led × So Est. Top 775.0 772.0	Act. Top 799.02 775.6 767.0	0.2 Drille	Act. Thi	ick	Est. 5-ft (10.0 Fe Core C 4.9	Cores ut (m) red (m)
JGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	led X Se Est. Top 775.0	Act. Top 799.02	0.2 Drille Est. Thick 27.0	Act. Thi 32.1	ick F	Est. 5-ft (10.0 Fe Core C 4.9 e Recover 3.9	ores ut (m) red (m)
EOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole	Est. Top 775.0 772.0 764.5	Act. Top 799.02 775.6 767.0 762.0	Drille Est. Thick 27.0 7.5 Total Drilled	Act. Thi 32.1 4.9	ick F	Est. 5-ft (10.0 Fe Core C 4.9	ut (m) red (m)
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale	Fest. Top 775.0 772.0 764.5 759.5 766.95 cosses, etc.)	Act. Top 799.02 775.6 767.0 762.0 758.8 Bottom Ire	Drille Est. Thick 27.0 7.5 Total Drilled onstone 76	Act. Thi 32.1 4.9 40.2	ick F	Est. 5-ft (10.0 Fe Core C 4.9 e Recover 3.9	cores ut (m) red (m) ec'vd % ore Box
GEOLOGY	Overburden Upper Shale Iron Core Point BH / Ironstone Lower Shale End of Hole Top Ironstone Coring Comments (L	Fest. Top 775.0 772.0 764.5 759.5 766.95 cosses, etc.) oth top and	Act. Top 799.02 775.6 767.0 762.0 758.8 Bottom Ire	Drille Est. Thick 27.0 7.5 Total Drilled onstone 76	Act. Thi 32.1 4.9 40.2	ick F	Est. 5-ft (10.0 Fe Core C 4.9 e Recover 3.9 fe Core Re 78.9%	ut (m) red (m) ec'vd % ore Box



2012 South Whitemud Drilling Program

Core Logs



Drilling Rig Name-No. Radius Rig #1

Hole No. 1A Hole ID SW-01A

GPS Elevation Collar 2569.19

Sounding Depth 149.0 Top Iron 2456.0 Base Iron 2428.8

Estimated Actual

Thickness Overburden 92.2 113.2 ft Est. 5ft Sleeves 9.0

Thickness of Upper Zone 54.1 ft No. of Core Boxes 6.0

Est. Core Point 2486.8 2530.2 ft Core Cut 110.0

Thickness of Iron 19.7 27.2 ft Fe Core Cut 27.2 ft

Thickness of Lower Zone 8.6 ft

End of Hole 2420.2

Overburden Notes

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	39.0	49.0	10.0	4.0	4.0	Glacial Till
Core No. 2	49.0	59.0	10.0	5.0	0.0	Gravel/Boulders
Core No. 3	59.0	69.0	10.0	4.8	4.8	Shale
Core No. 4	69.0	79.0	10.0	4.7	4.7	Shale
Core No. 5	79.0	84.0	5.0	4.8	4.8	Shale
Core No. 6			0.0			Channel Not Used
Core No. 7	84.0	94.0	10.0	1.5	1.4	Shale
Core No. 8	94.0	104.0	10.0	0.9	0.9	Shale
Core No. 9	104.0	109.0	5.0	5.0	5.0	Shale (Iron stained)
Core No. 10	109.0	114.0	5.0	4.1	4.0	Shale -> IR
Core No. 11	114.0	119.0	5.0	4.7	4.7	IR
Core No. 12	119.0	124.0	5.0	4.2	3.5	IR
Core No. 13	124.0	129.0	5.0	4.8	4.4	IR
Core No. 14	129.0	134.0	5.0	2.0	0.9	IR -> broken up IR
Core No. 15	134.0	139.0	5.0	1.1	0.0	IR cobbles
Core No. 16	139.0	144.0	5.0	3.6	3.5	Shale
Core No. 17	144.0	149.0	5.0	5.0	5.0	Shale
		TOTAL	110.0	60.2	51.6	
			% Recovery	54.7%	46.9%	

Coring Comments

Shale directly overlying ironstone.

Gravel/Boulder seam at 49'-59' depth (separates glacial till from marine shales).



	ŀ	lole No	2A	Hole ID		SW-02A		
	GPS E	evation _		Collar	25	55.48		
	Soundin	g Depth _	139.0	Т	op Iron	2455.0 Ва	se Iron 2431.	2
		Estim	ated	Actual				
Thickness	Overburden	85.	0 _	100.5	ft	Est. 5ft Sleeves	10.0	
Thickness of	Upper Zone				ft N	lo. of Core Boxes	3.0	
Est	t. Core Point	2480	0.4	2456.5	ft	Core Cut	40.0	1
Thick	ness of Iron	23.	0	23.8	ft	Fe Core Cut	23.8	f
Thickness of	Lower Zone		7	14.8	ft			
	End of Hole			2416.5	ft			
rburden Notes							1116	
	From	То	Core Cut (ft	c) Core Reco	vered	RQD	Notes	
Core No. 1	99.0	104.0	5.0	3.5		3.5	Glacial till ->	IR
Core No. 2	104.0	109.0	5.0	4.6		4.6	IR	
Core No. 3	109.0	114.0	5.0	3.3		3.3	LC & IR	
Core No. 4	114.0	124.0	10.0	1.5		0.0	LC & Rubbly	IR
Core No. 5	124.0	129.0	5.0	5.0		5.0	Shale	
Core No. 6	129.0	134.0	5.0	4.6		4.6	Shale	
Core No. 7	134.0	139.0	5.0	3.5		3.5	LC & Shale	
Core No. 8								
Core No. 9							MALLETT	
Core No. 10			0 -					
Core No. 11								
Core No. 12								
Core No. 13								
Core No. 14			/					
Core No. 15	13.0							
Core No. 16								
Core No. 17								
		TOTAL	40.0	26.0		24.5		
			% Recove	ry 65.0%	6	61.3%		
ng Comments	le illaner C	halal anaa	tauad Ola	ial till direath	. avarb	ing ironstone u	nit	



		lole No	3A	Hole ID		SW-03A	
	GPS E	levation _		Collar	2	555.05	
	Soundin	g Depth _	124.0	Т	op Iro	п 2462.8 В	ase Iron 2446.1
		Estim	ated	Actual			
Thickness	Overburden	94.	5	92.3	ft	Est. 5ft Sleeves	10.0
Thickness of	Upper Zone			28.2	ft	No. of Core Boxes	5.0
Est	t. Core Point	2470	0.4	2496.1	ft	Core Cut	65.0 ft
Thick	ness of Iron	23.	0	16.8	ft	Fe Core Cut	16.8 ft
Thickness of	Lower Zone			15.0	ft		
	End of Hole			2431.1	ft		
erburden Notes							
	From	То	Core Cut (fi	t) Core Reco	vered	RQD	Notes
Core No. 1	59.0	64.0	5.0	3.5		3.5	Glacial till
Core No. 2	64.0	69.0	5.0	2.8		2.8	Shale
Core No. 3	69.0	74.0	5.0	5.0		5.0	Shale
Core No. 4	74.0	79.0	5.0	4.0		4.0	Shale
Core No. 5	79.0	84.0	5.0	3.2		3.2	Shale
Core No. 6	84.0	89.0	5.0	4.0		4.0	Shale
Core No. 7	89.0	94.0	5.0	4.4		4.4	Shale -> IR
Core No. 8	94.0	99.0	5.0	2.3		2.2	IR
Core No. 9	99.0	104.0	5.0	5.0		5.0	IR
Core No. 10	104.0	109.0	5.0	1.8		1.5	Shale -> Ooidal s.
Core No. 11	109.0	114.0	5.0	3.4		3.4	Shale and s.s.
Core No. 12	114.0	119.0	5.0	2.8		2.1	Shale
Core No. 13	119.0	124.0	5.0	3.0		2.0	Shale and s.s.
Core No. 14							
Core No. 15							
Core No. 16							
Core No. 17							
		TOTAL	65.0	45.1		43.1	
			% Recove	ry69.3%	6	66.2%	
ring Comments	Shale direct	v overlyin	ng ironstone				



	Ho	ole No	4	Hole ID		SW-04		
	GPS Ele	vation		Collar	25	76.87		
	Sounding	Depth	134.0	т	op Iron	2442.9 Ва	ase Iron 2442.9	
		Estimat	ted	Actual				
Thickness	Overburden			134.0	ft	Est. 5ft Sleeves	9.0	1
Thickness of	Upper Zone				ft I	No. of Core Boxes	1.0	
Es	t. Core Point	2512.	9	2512.9	ft	Core Cut	70.0	f
Thick	ness of Iron	19.7		0.0	ft	Fe Core Cut	0.0	f
Thickness of	Lower Zone			0.0	ft			
	End of Hole			2442.9	ft			
1	Coro No. 3 · 5	O' intorval	with lose tha	n 1' rocovoi	rod Ev	tremely poor red	coveries	_
rburden Notes	0016 140. 0 . 0	o interval	With 1035 tha	11 1 1000 101	cu. Lx	tremely poor rec	overies.	
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes	
Core No. 1	64.0	74.0	10.0	0.8		0.8	Glacial till w/ g	rav
Core No. 2	74.0	84.0	10.0	1.3		1.0	Clay	
Core No. 3	84.0	134.0	50.0	0.8		0.0	Gravels/Bould	ers
Core No. 4								
Core No. 5								
Core No. 6								
Core No. 7								
0010 140. 1								
Core No. 8				1				
					- 11			
Core No. 8								
Core No. 8 Core No. 9								
Core No. 8 Core No. 9 Core No. 10								
Core No. 8 Core No. 9 Core No. 10 Core No. 11								
Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12								
Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13								
Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14								
Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15								
Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16		TOTAL	70.0	2.9		1.8		



		SW-05		Hole	5	Hole No		
		320.41	26	Col		levation	GPS E	
7	se Iron 2443.7	2471.4 Ba	Top Iron		182.0	g Depth	Soundir	
				Actual	ated	Estima		
	10.0	Est. 5ft Sleeves	ft	149.0	.5	117.	s Overburder	Thicknes
1	6.0	No. of Core Boxes	ft	46.9			of Upper Zone	Thickness of
ft	80.0	Core Cut	ft	2518.4	2.8	2512.	st. Core Point	E
1 4			14	27.8		24.6	kuana of luon	This
ft	27.0	Fe Core Cut				24.0	kness of Iron	Thic
			ft	5.3			of Lower Zone	Thickness o
			ft	2438.4			End of Hole	
				asl)	'81.3m elev	7' depth (78	Gravels at 8	urden Notes
	Notes	RQD	and it				VI	
		NOD	covered	ft) Core l	Core Cut	То	From	
	Shale		0		5.0	To 107.0	From 102.0	Core No. 1
	Shale Shale	5.0						Core No. 1 Core No. 2
		5.0 5.0	0		5.0	107.0	102.0	
	Shale Shale	5.0 5.0 5.0	0		5.0 5.0	107.0 112.0	102.0 107.0	Core No. 2 Core No. 3
	Shale Shale Shale	5.0 5.0 5.0 5.0	0 0 0		5.0 5.0 5.0	107.0 112.0 117.0	102.0 107.0 112.0	Core No. 2 Core No. 3 Core No. 4
	Shale Shale	5.0 5.0 5.0 5.0 5.0	0 0 0		5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0	102.0 107.0 112.0 117.0	Core No. 2
	Shale Shale Shale Shale	5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0		5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0	102.0 107.0 112.0 117.0 122.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5
	Shale Shale Shale Shale Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0		5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0	102.0 107.0 112.0 117.0 122.0 127.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6
	Shale Shale Shale Shale Shale Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7
	Shale Shale Shale Shale Shale Shale Shale Shale Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9
	Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9
	Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11
	Shale	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 0 8 1		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12
	Shale IR	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 0 8 1 5		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13
	Shale Shale Shale Shale Shale Shale Shale Shale Shale IR	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 8 1 5		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14
	Shale IR IR IR	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 0 8 1 5 2		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0 172.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15
	Shale IR IR	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 8 1 5		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16
	Shale IR IR IR	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0 0 0 0 0 0 0 0 0 0 0 8 1 5 2		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0 172.0	102.0 107.0 112.0 117.0 122.0 127.0 132.0 137.0 142.0 147.0 152.0 157.0 162.0 167.0	Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8

Coring Comments

Shale directly overlying ironstone. Underlying shales hosting marine shells.



	H	Hole No	6	Hole ID		SW-06	
	GPS E	levation		Collar	26	11.58	
	Soundin	g Depth _	169.0	Т	op Iron	2477.6 Ba	ase Iron 2448.6
		Estima	ited	Actual			
Thicknes	ss Overburden	141.	1	134.0	ft	Est. 5ft Sleeves	11.0
Thickness of	of Upper Zone	11			ft	No. of Core Boxes	5.0
E	st. Core Point	2480	.4	2507.6	ft	Core Cut	65.0 f
Thic	kness of Iron	31.2	2	29.0	ft	Fe Core Cut	29.0 f
Thickness of	of Lower Zone			6.0	ft		
	End of Hole			2442.6	ft		
erburden Notes	Gravel inter	val found b	etween 60'-70'	depth (777	.7-774	7m elev. asl)	
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes
Core No. 1	104.0	109.0	5.0	1.1		1.1	Shale
Core No. 2	109.0	114.0	5.0	0.6		0.6	Shale
Core No. 3	114.0	119.0	5.0	0.7		0.4	Gravel and Shale
Core No. 4	119.0	124.0	5.0	5.0		5.0	Shale
Core No. 5	124.0	129.0	5.0	4.8		4.8	Shale
Core No. 6	129.0	134.0	5.0	5.0		5.0	Shale
Core No. 7	134.0	139.0	5.0	5.0		4.8	IR (sandy)
Core No. 8	139.0	144.0	5.0	4.9		4.9	IR
Core No. 9	144.0	149.0	5.0	4.9		4.5	IR
Core No. 10	149.0	154.0	5.0	4.8		4.7	IR
Core No. 10	154.0	159.0	5.0	5.0		4.6	IR
Core No. 10		164.0	5.0	4.0		3.4	IR->Tran->Shale
	159.0	104.0	0.0			5.0	Shale
Core No. 11	159.0 164.0	169.0	5.0	5.0		5.0	
Core No. 11 Core No. 12				5.0		0.0	
Core No. 11 Core No. 12 Core No. 13				5.0		5.0	
Core No. 11 Core No. 12 Core No. 13 Core No. 14				5.0		5.0	
Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15				5.0		0.0	
Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16				50.8		48.8	
Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16		169.0	5.0				



	H	lole No	7	Hole ID		SW-07	
	GPS E	levation _		Collar	259	2.82	
	Soundin	g Depth _	154.0	Т	op Iron	2497.6 B	Base Iron 2473.8
		Estim	ated	Actual			
Thickness	Overburden	98.	.4	95.3	ft	Est. 5ft Sleeves	s 10.0
Thickness of	Upper Zone				ft N	lo. of Core Boxes	s 5.0
Es	t. Core Point	2504	4.2	2506.8	ft	Core Cu	t 68.0
Thick	ness of Iron	23.	.0	23.8	ft	Fe Core Cu	t 23.8
Thickness of	Lower Zone			35.0	ft		
	End of Hole		- // =	2438.8	ft		
burden Notes							
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes
Core No. 1	86.0	94.0	8.0	5.0		4.8	Shale
Core No. 2	94.0	99.0	5.0	4.0		3.8	Shale and IR
Core No. 3	99.0	104.0	5.0	4.6		4.6	IR
Core No. 4	104.0	109.0	5.0	4.1		4.1	IR
Core No. 5	109.0	114.0	5.0	4.8		3.5	IR and Shale
Core No. 6	114.0	119.0	5.0	5.0		4.8	IR
Core No. 7	119.0	124.0	5.0	1.0		0.0	Sandstone (S.S.)
Core No. 8	124.0	129.0	5.0	0.8		0.8	Shale
Core No. 9	129.0	134.0	5.0	3.9		3.3	Shale->S.S>IR
Core No. 10	134.0	139.0	5.0	2.7		0.0	S.S.
Core No. 11	139.0	144.0	5.0	3.3		1.5	S.S.
Core No. 12	144.0	149.0	5.0	3.3		2.4	S.S> Shale
Core No. 13	149.0	154.0	5.0	1.5		1.5	Shale
Core No. 14							
Core No. 15							
Core No. 16							
Core No. 17							
	200	TOTAL	68.0	44.0		34.9	
			% Recovery	64.7%	6	51.3%	
ng Comments	Shale and e	andstone	layers break up	solid irons	tone in	terval	



	Drilling Rig Nam	e-No. R	adius Rig #	1				
	Hol	le No	8	Hole ID		SW-08		
	GPS Elev	ation _		Collar	2	576.74		
	Sounding I	Depth	134.0		Top Iro	n 2442.3 Base	Iron 2442.3	
		Estima	ited	Actual				
Thicknes	s Overburden _	121.	4	134.4	ft	Est. 5ft Sleeves	13.0	
Thickness o	of Upper Zone _	331		1	ft	No. of Core Boxes _	5.0	
E	st. Core Point	2465	.2	2512.7	ft	Core Cut _	70.4	ft
Thic	kness of Iron	39.4	1 _	0.0	ft	Fe Core Cut _	0.0	ft
Thickness o	f Lower Zone		_	0.0	ft			
	End of Hole			2442.3	ft			
Overburden Notes							2 11 2 3	
	Erom	To	Coro Cut (5t)	Coro Po		POD	Notes	

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	64.0	69.0	5.0	5.0	5.0	Shale
Core No. 2	69.0	74.0	5.0	4.6	4.6	Shale
Core No. 3	74.0	79.0	5.0	5.0	5.0	Shale
Core No. 4	79.0	84.0	5.0	5.0	5.0	Shale
Core No. 5	84.0	89.0	5.0	4.8	4.8	Shale
Core No. 6	89.0	94.0	5.0	5.0	5.0	Shale
Core No. 7	94.0	99.0	5.0	4.5	4.5	Shale
Core No. 8	99.0	104.0	5.0	4.5	4.5	Shale
Core No. 9	104.0	109.0	5.0	5.0	5.0	Shale
Core No. 10	109.0	114.0	5.0	5.0	5.0	Shale
Core No. 11	114.0	119.0	5.0	4.8	4.8	Shale
Core No. 12	119.0	124.0	5.0	4.8	4.8	Shale
Core No. 13	124.0	129.0	5.0	3.3	1.0	Shaley s.s.
Core No. 14	129.0	134.0	5.0	1.8	0.8	Shaley s.s.
Core No. 15						
Core No. 16						
Core No. 17						
		TOTAL	70.0	62.9	59.7	
			% Recovery	89.9%	85.2%	

NO IRON RECOVERED

⁻ ONLY SHALE AND SANDSTONE INTERSECTED



	Drilling Rig Na	me-No. F	Radius Rig #2					
	H	lole No	9	Hole ID		SW-09		
	GPS EI	evation _		Collar	26	521.26		
	Sounding	g Depth _	162.0	Т	op Iroi	2506.7 В	ase Iron 2472.0	
		Estin	nated	Actual				
Thicknes	s Overburden	154	1.2	114.6	ft	Est. 5ft Sleeves	9.0	
Thickness o	f Upper Zone				ft	No. of Core Boxes	4.0	
Es	t. Core Point	247	6.9	2519.3	ft	Core Cut	60.0	ft
Thic	kness of Iron	18	.0	34.7	ft	Fe Core Cut	34.7	ft
Thickness of	f Lower Zone		1370	12.7	ft			
	End of Hole			2459.3	ft			
Overburden Notes								
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes	
Core No. 1	102.0	107.0	5.0	5.0		5.0	Shale	
Core No. 2	107.0	112.0	5.0	4.0		4.0	Shale	
Core No. 3	112.0	117.0	5.0	5.0		5.0	Shale + IR	
Core No. 4	117.0	122.0	5.0	3.0		3.0	IR	
Core No. 5	122.0	127.0	5.0	4.8		4.8	IR	
Core No. 6	127.0	132.0	5.0	2.8		2.8	IR	

Core No. 2	107.0	112.0	5.0	4.0	4.0	Shale	
Core No. 3	112.0	117.0	5.0	5.0	5.0	Shale + IR	
Core No. 4	117.0	122.0	5.0	3.0	3.0	IR	
Core No. 5	122.0	127.0	5.0	4.8	4.8	IR	
Core No. 6	127.0	132.0	5.0	2.8	2.8	IR	
Core No. 7	132.0	137.0	5.0	5.0	5.0	IR	
Core No. 8	137.0	142.0	5.0	3.5	3.5	IR	
Core No. 9	142.0	147.0	5.0	3.2	3.2	IR	
Core No. 10	147.0	152.0	5.0	3.2	3.2	IR + Shale	
Core No. 11	152.0	157.0	5.0	4.5	4.5	Shale	
Core No. 12	157.0	162.0	5.0	2.6	2.6	Shale	
Core No. 13							
Core No. 14							= 1
Core No. 15	F-171						
Core No. 16	ALUMAN	CONTRACTOR OF					
Core No. 17							
		TOTAL	60.0	46.5	46.5		
			% Recovery	77.4%	77.4%		

Coring Comments 157'-162' washed out, only 0.5' recovery of sandy shale re-recovered extra 2' from 157'-162' and called EOH



Drillin	ng Rig Na	me-No. I	Radius Rig #2						
	н	ole No.	10	Hole ID		SW-10			
	GPS EI	evation _		Collar	2	644.55			
	Sounding	Depth _	187.0	т	op Iro	n 2506.6	Base Iron	2472.0	
		Estin	nated	Actual					
Thickness Ove	rburden	18	7.0	138.0	ft	Est. 5ft Sleev	es	9.0	
Thickness of Upp	er Zone				ft	No. of Core Box	es	4.0	
Est. Co	re Point	246	7.4	2517.6	ft	Core C	ut	60.0	ft
Thickness	of Iron	19	.7	34.6	ft	Fe Core C	ut	34.6	ft
Thickness of Low	er Zone		_	14.4	ft				
End	of Hole			2457.6	ft				
Overburden Notes Shal	e overly	ing irons	tone unit. Two i	ronstone ui	nits p	resent - divided	by shale	e unit.	
F	rom	То	Core Cut (ft)	Core Reco	vered	RQD		Notes	
Core No. 1	27.0	132.0	5.0	5.0		5.0	Shale	9	
Core No. 2	32.0	137.0	5.0	4.9		4.9	Shale	9	
Core No. 3	37.0	142.0	5.0	1.9		1.6	Shale	9	
Core No. 4	12.0	147.0	5.0	3.3		2.9	IR		
Core No. 5	17.0	152.0	5.0	0.8		0.0	IR		
Core No. 6	52.0	157.0	5.0	3.6		3.5	IR + :	Shale	

Core No. 3	137.0	142.0	5.0	1.9	1.6	Shale
Core No. 4	142.0	147.0	5.0	3.3	2.9	IR
Core No. 5	147.0	152.0	5.0	0.8	0.0	IR
Core No. 6	152.0	157.0	5.0	3.6	3.5	IR + Shale
Core No. 7	157.0	162.0	5.0	3.5	1.8	IR
Core No. 8	162.0	167.0	5.0	3.3	3.3	IR
Core No. 9	167.0	172.0	5.0	3.8	2.8	IR
Core No. 10	172.0	177.0	5.0	4.0	1.2	IR + Shale
Core No. 11	177.0	182.0	5.0	5.0	5.0	Shale
Core No. 12	182.0	187.0	5.0	5.0	5.0	Shale
Core No. 13		7 7 7 7 1 1		75		
Core No. 14						
Core No. 15						
Core No. 16						
Core No. 17						
		TOTAL	60.0	44.0	37.0	
			% Recovery	73.3%	61.6%	

^{100&#}x27; down at 10:36AM, 152' down at 15:18PM, Waiting for water at 12:30PM
- Iron interval split into two sections separated by a thin (2.2 m) shale unit
- 7.0 meter combined iron thickness' (>25% Fe) over a 9.2 meter interval - See handwritten highlighted notes above



		Hole No.	11	Hole ID		SW-11		
		_		- Heartman		51.31		
	GPS E	levation		Collar	203	51.31		
	Soundir	ng Depth	187.0	Т	op Iron	2489.3	Base Iron 2464.	3
		Estimat	ted	Actual				
Thicknes	s Overburder	151.6	6	162.0	ft	Est. 5ft Sleeve	es 10.0	
Thickness of	f Upper Zone				_ ft N	lo. of Core Boxe	es 3.0	
Es	t. Core Point	2509.	6	2509.3	ft	Core C	ut 45.0	ft
Thic	kness of Iron	26.2		25.0	ft	Fe Core C	ut 25.0	ft
Thickness of	Lower Zone			0.0	ft			
	End of Hole		_	2464.3	ft			
verburden Notes	Gravels at 7	75' depth		25				
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes	
Core No. 1	142.0	147.0	5.0	5.0		5.0	Shale	
Core No. 2	147.0	152.0	5.0	2.2		2.2	Shale	
Core No. 3	152.0	157.0	5.0	5.0		5.0	Shale	
Core No. 4	157.0	162.0	5.0	4.6		4.6	Shale	
Core No. 5	162.0	167.0	5.0	0.9		0.0	Oily Sandy IR	Rubbl
Core No. 6	167.0	172.0	5.0	2.9		1.7	IR	
Core No. 7	172.0	177.0	5.0	5.0		4.6	IR	
Core No. 8	177.0	182.0	5.0	4.9		4.8	IR	
Core No. 9	182.0	187.0	5.0	3.6		3.1	IR	
Core No. 10								
Core No. 11								
Core No. 12							1000	
Core No. 13								
Core No. 14								
Core No. 15								
Core No. 16								
Core No. 17								
		TOTAL	45.0	34.1		31.0		
			% Recovery	75.89	. 1	68.9%	1	

Ended hole in oolitic ironstone unit

Incomplete ironstone interval recovered



Drilling Rig Name-	No. Radius Rig	#1				
Hole	No. 12	Hole ID		SW-12		
GPS Elevat	ion	Collar	26	36.91		
Sounding De	pth 214.0		op Iron	2482.0 Base	Iron 2455.4	4
	Estimated	Actual				
Thickness Overburden	145.7	154.9	ft	Est. 5ft Sleeves	12.0	
Thickness of Upper Zone			ft	No. of Core Boxes _	6.0	
Est. Core Point	2501.1	2510.9	ft	Core Cut	88.0	ft
Thickness of Iron	32.8	26.6	ft	Fe Core Cut	26.6	ft
Thickness of Lower Zone	_	32.5	ft			
End of Hole		2422.9	ft			
Overburden Notes						

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	126.0	134.0	8.0	5.0	5.0	Clay
Core No. 2	134.0	139.0	5.0	5.0	5.0	Clay
Core No. 3	139.0	144.0	5.0	5.0	5.0	Clay
Core No. 4	144.0	149.0	5.0	5.0	5.0	Clay
Core No. 5	149.0	154.0	5.0	5.0	5.0	Clay
Core No. 6	154.0	159.0	5.0	5.0	5.0	Clay + IR
Core No. 7	159.0	164.0	5.0	5.0	5.0	IR
Core No. 8	164.0	169.0	5.0	4.1	3.5	IR
Core No. 9	169.0	174.0	5.0	3.0	1.8	IR
Core No. 10	174.0	179.0	5.0	3.0	2.5	IR
Core No. 11	179.0	184.0	5.0	4.0	2.5	IR + Clay
Core No. 12	184.0	189.0	5.0	3.1	3.1	Clay
Core No. 13	189.0	194.0	5.0	2.8	2.8	Clay
Core No. 14	194.0	199.0	5.0	1.5	1.5	Clay
Core No. 15	199.0	204.0	5.0	0.8	0.8	Clay
Core No. 16	204.0	209.0	5.0	4.7	4.0	Clay
Core No. 17	209.0	214.0	5.0	3.8	3.8	Clay
		TOTAL	88.0	65.7	61.1	
			% Recovery	74.6%	69.4%	

Gravels seen at ~70' depth with underlying sands (~5' thick gravel interval)



	H	lole No	. 13	Hole ID		SW-13		
	GPS E	evation		Collar	26	14.83		
	Sounding	g Depth	174.0	т	op Iron	2473.6 Ва	ase Iron 2459.	6
		Estima	ated	Actual				
Thicknes	s Overburden	154.	2	141.3	ft	Est. 5ft Sleeves	12.0	
Thickness of	f Upper Zone		13		ft 1	No. of Core Boxes	5.0	
Es	t. Core Point	2470	.5	2503.8	ft	Core Cut	63.0	ft
Thick	kness of Iron	36.	1 _	14.0	ft	Fe Core Cut	14.0	ft
Thickness of	Lower Zone			18.8	ft			
	End of Hole			2440.8	ft			
verburden Notes			Top T					1
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes	
Core No. 1	109.0	114.0	5.0	3.0		3.0	Clay	
Core No. 2	114.0	119.0	5.0	5.0		5.0	Clay	
Core No. 3	119.0	124.0	5.0	4.5		4.5	Clay	
Core No. 4	124.0	129.0	5.0	4.8		4.8	Clay	
Core No. 5	129.0	134.0	5.0	4.4		4.4	Clay	
Core No. 6	134.0	139.0	5.0	5.0		5.0	Clay	
Core No. 7	139.0	144.0	5.0	5.0		5.0	Clay + IR	
Core No. 8	144.0	149.0	5.0	5.0			IR	
Core No. 9	149.0	154.0	5.0	4.7		4.7	IR	1-1
Core No. 10	154.0	159.0	5.0	5.0			IR + Clay	
Core No. 11	159.0	164.0	5.0	4.5			Clay	
Core No. 12	164.0	169.0	5.0	4.6		4.6	Clay	
Core No. 13	169.0	174.0	5.0	4.4		4.3	Clay	
Core No. 14	LEE I							-4
Core No. 15								
Core No. 16							Charles S.	
Core No. 17								
		TOTAL	65.0	59.9		59.8		
			% Recover	y 92.2%	6	92.0%		
oring Comments								



		Hole No.	14	Hole ID _		SW-14			
	GPS E	Elevation _		Collar	256	66.08			
	Soundin	ng Depth _	122.0	То	p Iron	2444.1 E	Base Iron	2444.1	
		Estima	ated	Actual					
Thicknes	ss Overburde	n 105.	.0	122.0	ft	Est. 5ft Sleeve	s	9.0	
Thickness	of Upper Zone				ft N	lo. of Core Boxe	s	5.0	
E	st. Core Point	2470	.9	2519.1	ft	Core Cu	ıt	75.0] f
Thic	kness of Iron	16.4	4	0.0	ft	Fe Core Cu	ıt	0.0	f
Thickness	of Lower Zone			0.0	ft				
	End of Hole			2444.1	ft				
rhurden Notes			RAVELS DIREC		-	SHALE UNIT		1	
iburden Notes									
	From	То	Core Cut (ft)	Core Recov	vered	RQD		Notes	
Core No. 1	47.0	52.0	F 0	0.0					
	47.0	32.0	5.0	0.0		0.0	LC		
Core No. 2	52.0	57.0	5.0	0.0		0.0	LC		
Core No. 2 Core No. 3							LC T		
	52.0	57.0	5.0	0.0		0.0	LC T T		
Core No. 3	52.0 57.0	57.0 62.0	5.0 5.0	0.0		0.0 0.2	LC T T		
Core No. 3 Core No. 4	52.0 57.0 62.0	57.0 62.0 67.0	5.0 5.0 5.0	0.0 0.2 2.2		0.0 0.2 2.2	LC T T		
Core No. 3 Core No. 4 Core No. 5	52.0 57.0 62.0 67.0	57.0 62.0 67.0 72.0	5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0		0.0 0.2 2.2 1.0	LC T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6	52.0 57.0 62.0 67.0 72.0	57.0 62.0 67.0 72.0 77.0	5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8		0.0 0.2 2.2 1.0 1.5	LC T T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7	52.0 57.0 62.0 67.0 72.0 77.0	57.0 62.0 67.0 72.0 77.0 82.0	5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5		0.0 0.2 2.2 1.0 1.5 0.5	LC T T T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8	52.0 57.0 62.0 67.0 72.0 77.0 82.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5		0.0 0.2 2.2 1.0 1.5 0.5 1.5	LC T T T T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5		0.0 0.2 2.2 1.0 1.5 0.5 1.5	LC T T T T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8	LC T T T T T T T		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3	LC T T T T T T T T C C		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8 0.5		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3 0.8	LC T T T T T T T C C		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8 0.5 1.8		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3 0.8 2.3	LC T T T T T T T T C C		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8 0.5 1.8 2.3 5.0		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3 0.8 2.3 5.0	LC T T T T T T T C C		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8 0.5 1.8 2.3 5.0		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3 0.8 2.3 5.0	LC T T T T T T T C C		
Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16	52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 112.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.0 0.2 2.2 1.0 1.8 0.5 1.5 1.0 1.8 0.5 1.8 2.3 5.0		0.0 0.2 2.2 1.0 1.5 0.5 1.5 1.0 1.8 0.3 0.8 2.3 5.0	LC T T T T T T T C C		



		Hole No.	15	Hole ID	SW-15			
	GPS E	Elevation _		Collar	2613.42			
	Soundir	ng Depth _	147.0	To	op Iron 2506.4	Base I	ron 2479.	7
		Estim	ated	Actual				
Thickne	ss Overburder	120	.4	107.0	ft Est. 5ft Sle	eves _	9.0	
Thickness	of Upper Zone				ft No. of Core B	oxes _	3.0	
E	st. Core Point	2502	2.9	2506.4	ft Core	Cut _	40.0	f
Thi	ckness of Iron	18.	.0	26.8	ft Fe Core	Cut	26.8	f
Thickness	of Lower Zone			13.3	ft			
	End of Hole			2466.4	ft			
Lundan Nata			Acres 6535		tered at the top of	the fire	t run	
burden Notes	ito overbui	dell'iccove	rea. Ironstone	was choodin	ntered at the top of	the ma	erun.	
	From	То	Core Cut (ft)	Core Recov	vered RQD		Notes	
Core No. 1	107.0	112.0	5.0	5.0	4.3	IR		
Core No. 2	112.0	117.0	5.0	4.8	4.5	IR		
Core No. 3	117.0	122.0	5.0	5.0	5.0	IR		
Core No. 4	122.0	127.0	5.0	4.5	4.5	IR		
Core No. 5	127.0	132.0	5.0	4.3	4.3	IR		
Core No. 6	132.0	137.0	5.0	4.8	4.5		+ C	
Core No. 7	137.0	142.0	5.0	4.8	4.2	С		
Core No. 8	142.0	147.0	5.0	4.3	4.3	C		
Core No. 9								
Core No. 10	100							
Core No. 11	16.75							
Core No. 12						11		
Core No. 13	Wat 5 To							
Core No. 14								
Core No. 15								
Core No. 16			Recorded to					
Core No. 17								
		TOTAL	40.0	37.4	35.6			



		Hole No.	16	Hole ID _	SW-16		
	GPS E	Elevation		Collar	2651.67		
	Soundi	ng Depth	187.0	То	p Iron 2500.9	Base Iron 2477.	7
		Estimat	ted	Actual			
Thicknes	s Overburde	187.0	0	150.8	ft Est. 5ft Sleev	ves 9.0	1
	f Upper Zone				ft No. of Core Box	xes 3.0	
E	st. Core Point	2474.	5	2504.7	ft Core (Cut 40.0	ft
Thic	kness of Iron	19.0		23.3	ft Fe Core 0	Out 23.3	ft
Thickness o	f Lower Zone			13.0	ft		
	End of Hole			2464.7	ft		
erburden Notes							
	From	То	Core Cut (ft)	Core Recov	rered RQD	Notes	
Core No. 1	147.0	152.0	5.0	5.0	5.0	C+IR	
Core No. 2	152.0	157.0	5.0	5.0	5.0	IR	
Core No. 3	157.0	162.0	5.0	3.7	3.7	IR	
Core No. 4	162.0	167.0	5.0	5.0	4.8	IR	
Core No. 5	167.0	172.0	5.0	4.4	3.9	IR	
Core No. 6	172.0	177.0	5.0	4.5	1.3	IR + C	
Core No. 7	177.0	182.0	5.0	4.7	4.7	С	
Core No. 8	182.0	187.0	5.0	5.0	5.0	С	
Core No. 9							
Core No. 10							
Core No. 11	Lieu Til						
Core No. 12							41
Core No. 13							
Core No. 14							
Core No. 15							
Core No. 16							
Core No. 17							
		TOTAL	40.0	37.3			
				93.3%	83.3%		



Drilling Rig Name-No. Radius Rig #2

Hole No. 17 Hole ID SW-17

GPS Elevation Collar 2629.23

Sounding Depth 202.0 Top Iron 2498.0 Base Iron 2471.4

Estimated Actual

Thickness Overburden 177.2 131.3 ft Est. 5ft Sleeves 10.0

Thickness of Upper Zone ft No. of Core Boxes 6.0

Est. Core Point 2461.9 2512.2 ft Core Cut 87.0

Thickness of Iron 21.3 26.6 ft Fe Core Cut 26.6 ft

Thickness of Lower Zone 46.2 ft

End of Hole 2425.2 ff

Overburden Notes

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	117.0	122.0	5.0	5.0	5.0	Clay
Core No. 2	122.0	127.0	5.0	5.0	5.0	Clay
Core No. 3	127.0	132.0	5.0	5.0	5.0	Clay + Iron
Core No. 4	132.0	137.0	5.0	4.9	4.9	Iron
Core No. 5	137.0	142.0	5.0	4.8	2.6	Iron
Core No. 6	142.0	147.0	5.0	4.2	2.2	Iron
Core No. 7	147.0	152.0	5.0	5.0	5.0	Iron
Core No. 8	152.0	157.0	5.0	3.3	2.9	Iron + Clay
Core No. 9	157.0	162.0	5.0	4.3	4.0	Clay
Core No. 10	162.0	167.0	5.0	5.0	5.0	Clay
Core No. 11	167.0	172.0	5.0	5.0	5.0	Clay
Core No. 12	172.0	177.0	5.0	2.7	2.7	Clay
Core No. 13	177.0	182.0	5.0	2.0	2.0	Clay
Core No. 14	182.0	187.0	5.0	5.0	5.0	Clay
Core No. 15	187.0	192.0	5.0	5.0	5.0	Clay
Core No. 16	192.0	197.0	5.0	2.8	2.8	Clay
Core No. 17	197.0	202.0	5.0	5.0	5.0	Clay
		TOTAL	85.0	74.0	69.1	
			% Recovery	87.0%	81.3%	

Coring Comments

- 50' depth at 6:00PM Feb 13th 2012 - some gravels present in the shales



Drilling Rig Name-No. Radius Rig #1 Hole ID SW-18 Hole No. 18 Collar 2624.77 GPS Elevation Sounding Depth 194.0 Top Iron 2486.8 | Base Iron 2457.8 **Estimated** Actual 81.0 138.0 10.0 Thickness Overburden ft Est. 5ft Sleeves 7.0 ft No. of Core Boxes Thickness of Upper Zone 2553.6 Core Cut 2550.8 120.0 Est. Core Point 23.0 29.0 Fe Core Cut 29.0 ft Thickness of Iron 27.0 ft Thickness of Lower Zone 2430.8 ft End of Hole **Overburden Notes** RQD From To Core Cut (ft) Core Recovered Notes Core No. 1 74.0 84.0 10.0 5.0 5.0 Clay Core No. 2 84.0 94.0 10.0 5.0 5.0 Clay Core No. 3 94.0 104.0 10.0 5.0 5.0 Clay 104.0 109.0 5.0 5.0 5.0 Core No. 4 Clay Core No. 5 109.0 114.0 5.0 4.8 4.8 Clay Clay 114.0 119.0 5.0 4.3 3.9 Core No. 6 Core No. 7 119.0 124.0 5.0 5.0 5.0 Clay Clay 124.0 129.0 5.0 Core No. 8 5.0 5.0 Core No. 9 129.0 134.0 5.0 5.0 5.0 Clay Core No. 10 Clay + Iron 134.0 139.0 5.0 5.0 3.8 Core No. 11 139.0 144.0 5.0 5.0 3.0 Iron Core No. 12 144.0 149.0 5.0 5.0 4.7 Iron Core No. 13 149.0 154.0 5.0 5.0 4.5 Iron 154.0 159.0 5.0 5.0 3.9 Iron Core No. 14 Core No. 15 159.0 164.0 5.0 4.5 Iron 4.8 Core No. 16 2.5 Iron 164.0 167.0 3.0 2.1 Core No. 17 167.0 174.0 7.0 Clay 5.0 5.0 100.0 75.1 81.3 TOTAL 81.3% 75.1% % Recovery Core Cut (ft) Core Recovered From To RQD Notes **Coring Comments** Core No. 18: 174.0 184.0' 10.0 3.65 3.65 Clay Core No. 19: 184.0' 194.0' 10.0 2.80 2.00 Clay



	+	lole No	19	Hole ID _		SW-19		
	GPS E	evation		Collar	258	85.47		
	Sounding	g Depth	149.0	То	p Iron	2488.2 Ва	se Iron 2458.	7
		Estima	ited	Actual				
Thickness	s Overburden	72.2	2	97.3	ft	Est. 5ft Sleeves	12.0	
Thickness of	Upper Zone				ft N	No. of Core Boxes	4.0	
Es	t. Core Point	2523	.1	2501.5	ft	Core Cut	65.0	ft
Thick	ness of Iron	32.8		29.5		Fe Core Cut		ft
Thickness of	Lower Zone			22.3	ft			
	End of Hole				ft			
erburden Notes								
	From	То	Core Cut (ft)	Core Recov	ered	RQD	Notes	
Core No. 1	84.0	94.0	10.0	1.0		0.0	T	
Core No. 2	94.0	99.0	5.0	5.0		4.9	C + IR	
Core No. 3	99.0	104.0	5.0	5.0		5.0	IR	
Core No. 4	104.0	109.0	5.0	0.5		0.0	IR	
Core No. 5	109.0	114.0	5.0	1.0		0.4	IR	
Core No. 6	114.0	119.0	5.0	0.8		0.8	IR	
Core No. 7	119.0	124.0	5.0	1.5		0.9	IR + T	15
Core No. 8	124.0	129.0	5.0	4.4		3.3	IR + C	
Core No. 9	129.0	134.0	5.0	4.8		4.3	С	
Core No. 10	134.0	139.0	5.0	2.8		2.8	C	
Core No. 11	139.0	144.0	5.0	3.7		3.7	С	
Core No. 12	144.0	149.0	5.0	3.5		3.5	C	
Core No. 13								
Core No. 14								
Core No. 15								
Core No. 16		J						
Core No. 17								
		TOTAL	65.0	34.0		29.6		
			% Recovery	52.3%	6	45.5%		
ring Comments			101 1 11 1			nis 5' Fe interval		



Drilling Rig Name-N	o. Radius Rig	#1				
Hole N	lo. 20A	Hole ID		SW-20A		
GPS Elevation	on	Collar	25	577.86		
Sounding Dep	th 109.0		Top Iron	2504.6 Base	Iron 2477.6	6
	Estimated	Actual				
Thickness Overburden	49.2	73.3	ft	Est. 5ft Sleeves	9.0	
Thickness of Upper Zone			ft	No. of Core Boxes	5.0	
Est. Core Point	2538.5	2538.9	ft	Core Cut	70.0	f
Thickness of Iron	19.7	27.0	ft	Fe Core Cut	27.0	f
Thickness of Lower Zone	_	8.7	ft			
End of Hole		2468.9	ft	*		

Overburden Notes

Glacial boulders/till/gravels directly overlying ironstone unit

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	39.0	44.0	5.0	0.0	0.0	Lost Core
Core No. 2	44.0	49.0	5.0	0.8	0.8	Transition
Core No. 3	49.0	54.0	5.0	0.0	0.0	Lost Core
Core No. 4	54.0	59.0	5.0	1.5	1.4	Transition
Core No. 5	59.0	64.0	5.0	0.5	0.4	Transition
Core No. 6	64.0	69.0	5.0	0.8	0.8	Transition
Core No. 7	69.0	74.0	5.0	1.8	1.4	Tran. + Lg. Boulders
Core No. 8	74.0	79.0	5.0	4.5	3.3	Iron
Core No. 9	79.0	84.0	5.0	4.6	4.2	Iron
Core No. 10	84.0	89.0	5.0	5.6	5.3	Iron
Core No. 11	89.0	94.0	5.0	4.9	4.9	Iron
Core No. 12	94.0	99.0	5.0	4.4	4.2	Iron
Core No. 13	99.0	104.0	5.0	5.0	4.3	Iron + Clay
Core No. 14	104.0	109.0	5.0	4.8	4.8	Clay
Core No. 15						NAME OF TAXABLE PARTY.
Core No. 16		25				
Core No. 17						
		TOTAL	70.0	39.0	35.6	
			% Recovery	55.7%	50.9%	

Coring Comments

99'-104' = Iron sands at top with shale Glacial boulders/till/gravels directly overlying ironstone unit Poor recoveries in glacial till



Drilling Rig Name-No.	Radius Rig #2	2				
Hole No.	21	Hole ID		SW-21		
GPS Elevation		Collar	25	557.55		
Sounding Depth	152.0	Т	op Iror	2405.5 Bas	se Iron 2405.	5
Es	timated	Actual				
Thickness Overburden1	11.5	152.0	ft	Est. 5ft Sleeves	9.0	
Thickness of Upper Zone			ft	No. of Core Boxes	4.0	
Est. Core Point2	455.8	2453.0	ft	Core Cut	47.5	ft
Thickness of Iron	18.0	0.0	ft	Fe Core Cut	0.0	ft
Thickness of Lower Zone		0.0	ft			
End of Hole	_	2405.5	ft			
Overburden Notes Glacial tills directly	overlying shales	- No iron int	terval	recovered		

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	52.0	102.0	50.0	0.0	0.0	Lost Core
Core No. 2	102.0	107.0	5.0	3.8	3.8	Glacial till + Clay
Core No. 3	107.0	112.0	5.0	5.0	5.0	Clay
Core No. 4	112.0	117.0	5.0	0.8	0.8	Clay
Core No. 5	117.0	122.0	5.0	5.0	5.0	Clay
Core No. 6	122.0	127.0	5.0	5.0	5.0	Clay
Core No. 7	127.0	132.0	5.0	5.0	5.0	Clay
Core No. 8	132.0	137.0	5.0	5.0	5.0	Clay
Core No. 9	137.0	142.0	5.0	5.0	5.0	Clay
Core No. 10	142.0	147.0	5.0	5.0	5.0	Clay
Core No. 11	147.0	152.0	5.0	5.0	5.0	Clay
Core No. 12						
Core No. 13						
Core No. 14						
Core No. 15						
Core No. 16						
Core No. 17						
		TOTAL	100.0	44.6	44.6	
			% Recovery	44.6%	44.6%	

NO IRON INTERVAL ENCOUNTERED - ALL GLACIAL TILL & SHALES
No recovery 57'-102' depth, boulders at 102'-105' depth, Black surface returns at 102'-107' depth, 107'-127' = 15' shale recovered



	н	lole No	21R	Hole ID	SW-21R		
	GPS EI	evation		Collar	2578.38		
	Sounding	g Depth	117.0	Top I	ron 2498.5 Ba	ase Iron 2474.	0
		Estima	ited	Actual			
Thicknes	s Overburden	62.3	3	79.9 ff	Est. 5ft Sleeves	9.0	
Thickness of	of Upper Zone			ff	No. of Core Boxes	4.0	
E	st. Core Point	2525	.9	2513.4 ff	t Core Cut	52.0	ft
Thic	kness of Iron	16.4	1	24.5 ff	Fe Core Cut	24.5	ft
	f Lower Zone			12.6 ff			
	End of Hole			2461.4 ff	t		
erburden Notes	Glacial till di	rectly over	rlying ironston	e unit			
	From	To	Core Cut (ft)	Core Recover	ed RQD	Notes	
Core No. 1	From 65.0	То 73.0	Core Cut (ft)	Core Recover	ed RQD	Notes Glacial till	
Core No. 1 Core No. 2						Glacial till	
	65.0	73.0	8.0	0.9	0.9	Glacial till Glacial till	ay+lror
Core No. 2	65.0 73.0 78.0	73.0 78.0	8.0 5.0	0.9 2.7	0.9 2.7	Glacial till	ay+lror
Core No. 2 Core No. 3 Core No. 4	65.0 73.0 78.0 83.0	73.0 78.0 83.0 88.0	8.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8	0.9 2.7 4.4 4.6	Glacial till Glacial till Glacial till+Cla Iron	ay+lror
Core No. 2 Core No. 3	65.0 73.0 78.0 83.0 88.0	73.0 78.0 83.0 88.0 93.0	8.0 5.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8 5.0	0.9 2.7 4.4 4.6 5.0	Glacial till Glacial till Glacial till+Cla	ay+lror
Core No. 2 Core No. 3 Core No. 4 Core No. 5	65.0 73.0 78.0 83.0 88.0 93.0	73.0 78.0 83.0 88.0 93.0 98.0	8.0 5.0 5.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8 5.0 5.0	0.9 2.7 4.4 4.6 5.0 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron	ay+Iror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6	65.0 73.0 78.0 83.0 88.0 93.0 98.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron	ay+lror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7	65.0 73.0 78.0 83.0 88.0 93.0	73.0 78.0 83.0 88.0 93.0 98.0	8.0 5.0 5.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8 5.0 5.0 4.8	0.9 2.7 4.4 4.6 5.0 5.0 4.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron	ay+Iror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron	ay+lror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+lror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+Iror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+Iror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+lron
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+Iron
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+Iron
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+lror
Core No. 2 Core No. 3 Core No. 4 Core No. 5 Core No. 6 Core No. 7 Core No. 8 Core No. 9 Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16	65.0 73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0	73.0 78.0 83.0 88.0 93.0 98.0 103.0 108.0 113.0	8.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	0.9 2.7 5.0 4.8 5.0 5.0 4.8 4.8 5.0	0.9 2.7 4.4 4.6 5.0 5.0 4.0 4.8 5.0	Glacial till Glacial till Glacial till+Cla Iron Iron Iron Iron Iron Iron Clay Clay	ay+Iror

Significantly different results from SW-21 from merely 60 meters away
 Glacial till directly overlying ironstone unit



Drilling Rig Name-No.	Radius	Rig #2	
-----------------------	--------	--------	--

Hole No. 22 Hole ID SW-22

GPS Elevation Collar 2589.04

Sounding Depth 127.0 Top Iron 2500.4 Base Iron 2472.5

Estimated Actual

Thickness Overburden 45.6 88.6 ft Est. 5ft Sleeves 9.0

Thickness of Upper Zone ft No. of Core Boxes 6.0

Est. Core Point 2553.3 2562.0 ft Core Cut 100.0

Thickness of Iron 18.0 27.9 ft Fe Core Cut 27.9 ft

Thickness of Lower Zone 10.5 ft

End of Hole 2462.0 f

Overburden Notes Glacial till overlying 11.2' of shale. Shale directly overlying first ironstone horizon.

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	27.0	37.0	10.0	0.6	0.6	Glacial till
Core No. 2	37.0	47.0	10.0	0.0	0.0	Lost Core
Core No. 3	47.0	52.0	5.0	0.3	0.0	Glacial till
Core No. 4	52.0	57.0	5.0	0.5	0.0	Glacial till
Core No. 5	57.0	62.0	5.0	1.8	1.8	Glacial till
Core No. 6	62.0	67.0	5.0	0.6	0.6	Glacial till
Core No. 7	67.0	72.0	5.0	0.0	0.0	Lost Core
Core No. 8	72.0	77.0	5.0	0.5	0.0	Glacial till
Core No. 9	77.0	82.0	5.0	5.0	5.0	Clay
Core No. 10	82.0	87.0	5.0	4.9	4.9	Clay
Core No. 11	87.0	92.0	5.0	4.4	4.4	Clay + Iron
ore No. 12	92.0	97.0	5.0	5.0	5.0	Clay + Iron
Core No. 13	97.0	102.0	5.0	2.2	2.2	Iron
Core No. 14	102.0	107.0	5.0	3.2	2.7	Iron
Core No. 15	107.0	112.0	5.0	3.9	2.6	Iron
Core No. 16	112.0	117.0	5.0	3.0	1.9	Iron + Clay
Core No. 17	117.0	122.0	5.0	5.0	5.0	Clay
		TOTAL	95.0	40.8	36.6	
			% Recovery	42.9%	38.5%	

Coring Comments

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 18	122	127	5	5	5	Clay



Drilling Rig Name-	No. Radius Rig	#1			
Hole	No. 23	Hole ID	SW-23		
GPS Elevat	ion	Collar	2566.04		
Sounding De	pth 154.0		op Iron 2481.5	Base Iron 2457. 0	0
	Estimated	Actual			
Thickness Overburden	105.0	84.5	ft Est. 5ft Sleev	es 10.0	
Thickness of Upper Zone			ft No. of Core Box	es 5.0	
Est. Core Point	2470.9	2502.5	ft Core C	out 90.5	ft
Thickness of Iron	21.3	24.5	ft Fe Core C	cut24.5	ft
Thickness of Lower Zone	_	45.0	ft		
End of Hole	_	2412.0	ft		
rburden Notes					

Overburd	len Notes
----------	-----------

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	54.0	64.0	10.0	0.5	0.5	Glacial till
Core No. 2	64.0	74.0	10.0	1.8	0.0	Glacial till + Clay
Core No. 3	74.0	84.0	10.0	5.0	5.0	Clay
Core No. 4	84.0	94.0	10.0	5.0	5.0	Clay + IR
Core No. 5	94.0	99.0	5.0	2.8	2.8	IR
Core No. 6	99.0	104.0	5.0	3.0	3.0	IR
Core No. 7	104.0	109.0	5.0	3.1	3.1	IR
Core No. 8	109.0	114.0	5.0	4.2	3.7	С
Core No. 9	114.0	124.0	10.0	5.0	3.6	С
Core No. 10	124.0	134.0	10.0	5.0	5.0	С
Core No. 11	134.0	139.0	5.0	4.8	4.8	С
Core No. 12	139.0	144.0	5.0	5.0	5.0	С
Core No. 13	144.0	149.0	5.0	5.0	5.0	С
Core No. 14	149.0	154.0	5.0	4.6	4.4	С
Core No. 15						
Core No. 16						
Core No. 17						
		TOTAL	100.0	54.7	50.8	
			% Recovery	54.7%	50.8%	

^{***} RODS MISCOUNT - END OF HOLE = 154' - DEPTHS DECREASED BY 30' ***
- Hit gravels at 35' depth - switched to core bit (hit something hard)
- Terrible recoveries in this hole (~50%) possibly due to the sandy and loosely consolidated nature of the ironstone



Drilling Rig Nam	e-No. R	adius Rig	#1				
Но	le No	24	Hole ID		SW-24		
GPS Elev	ation _		Collar	2	542.46		
Sounding I	Depth _	128.0		op Iro	n 2478.0 Base	Iron 2451.	9
	Estim	ated	Actual				
Thickness Overburden _	88.	6	64.5	ft	Est. 5ft Sleeves	11.0	
Thickness of Upper Zone _			- 2	ft	No. of Core Boxes	5.0	
Est. Core Point	2463	3.7	2517.5	ft	Core Cut _	103.0	f
Thickness of Iron	27.	9 _	26.1	ft	Fe Core Cut	26.1	f
Thickness of Lower Zone		_	37.4	ft			
End of Hole		_	2414.5	ft			
urden Notes Glacial till dire	ctly ove	rlying iron s	ands				

Overburden Notes

	From	То	Core Cut (ft)	Core Recovered	RQD	Notes
Core No. 1	25.0	33.0	8.0	1.6	1.5	Glacial till
Core No. 2	33.0	43.0	10.0	4.5	4.5	Glacial till
Core No. 3	43.0	53.0	10.0	1.1	1.1	Glacial till
Core No. 4	53.0	63.0	10.0	0.5	0.3	Glacial till
Core No. 5	63.0	78.0	15.0	2.4	2.3	Glacil till + IR
Core No. 6	78.0	88.0	10.0	5.0	4.6	IR
Core No. 7	88.0	94.0	6.0	3.3	1.8	IR + Clay
Core No. 8	94.0	98.0	4.0	4.0	3.7	Clay
Core No. 9	98.0	103.0	5.0	4.3	4.3	Clay
Core No. 10	103.0	108.0	5.0	3.3	3.0	Clay
Core No. 11	108.0	113.0	5.0	1.8	1.8	Clay
Core No. 12	113.0	118.0	5.0	4.8	4.8	Clay
Core No. 13	118.0	123.0	5.0	4.8	4.6	Clay
Core No. 14	123.0	128.0	5.0	5.0	5.0	Clay
Core No. 15						
Core No. 16						
Core No. 17						
		TOTAL	103.0	46.1	43.2	
			% Recovery	44.7%	41.9%	

Coring Comments

Drillers mentioned that a "void" was hit between 73'-78' depth (within iron sands interval). The drills rods and core barrel just drifted down with zero torque and pressure being applied. No core was recovered over this interval.



	1	Hole No	25	Hole ID _		SW-25		
	GPS E	levation		Collar _	26	05.32		
	Soundin	g Depth _	102.0	То	p Iron	2523.6 В	ase Iron 2517.8	
		Estima	ated	Actual				
Thickness	s Overburden	69.2	2	81.8	ft	Est. 5ft Sleeves	9.0	
Thickness of	f Upper Zone				ft I	No. of Core Boxes	3.0	
Es	t. Core Point	2545	.9	2548.3	ft	Core Cut	45.0	1
Thick	kness of Iron	19.7	7	5.8	ft	Fe Core Cut	5.8	1
	Lower Zone			14.5	ft			_
	End of Hole			2503.3	ft			
			rlying ironstor	- 11 M 3	1			
rden Notes	Glaciai tili u	nectly over	riying ironstor	ie unit				
	From	То	Core Cut (ft)	Core Recov	ered	RQD	Notes	
ore No. 1	57.0	62.0	5.0	3.0		3.0	Glacial till	
ore No. 2	62.0	67.0	5.0	5.0		5.0	Glacial till	
ore No. 3	67.0	72.0	5.0	0.0		0.0	Lost Core	
ore No. 4	72.0	77.0	5.0	4.9		4.9	Glacial till	
	77.0	82.0	5.0	0.7		0.7	Glacial till + IR	
ore No. 5		87.0	5.0	3.3		2.8	IR	
ore No. 5 ore No. 6	82.0						ID + Clay	
	82.0 87.0	92.0	5.0	4.6		4.6	IR + Clay	
ore No. 6			5.0 5.0	4.6 5.0		5.0	Clay	
Core No. 6 Core No. 7	87.0	92.0						
Core No. 6 Core No. 7 Core No. 8	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10 Ore No. 11	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
core No. 6 core No. 7 core No. 8 core No. 9 ore No. 10 ore No. 11 ore No. 12 ore No. 13	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10 Ore No. 11 Ore No. 12 Ore No. 13	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10 Ore No. 11 Ore No. 12 Ore No. 13 Ore No. 14	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	
Core No. 6 Core No. 7 Core No. 8 Core No. 9 Ore No. 10 Ore No. 11 Ore No. 12 Ore No. 13 Ore No. 14 Ore No. 15 Ore No. 16	87.0 92.0	92.0 97.0	5.0	5.0		5.0	Clay	



	Н	lole No	26	Hole ID _		SW-26		
	GPS El	evation		Collar _	262	23.52		
	Sounding	g Depth	127.0	То	p Iron	2524.0 Ва	ase Iron 2506.8	3
		Estima	ted	Actual				
Thickness	s Overburden	91.2	_	99.5	ft	Est. 5ft Sleeves	10.0	
Thickness of	Upper Zone				ft N	lo. of Core Boxes	3.0	
Es	t. Core Point	2542	.2	2541.5	ft	Core Cut	45.0	f
Thick	cness of Iron	21.3		17.3	ft	Fe Core Cut	17.3	f
Thickness of	Lower Zone			10.3	ft			
	End of Hole		-		ft			
burden Notes							100	
	From	То	Core Cut (ft)	Core Recov	ered	RQD	Notes	
Core No. 1	82.0	87.0	5.0	5.0		4.8	Clay	
Core No. 2	87.0	92.0	5.0	5.0		4.9	Clay	
Core No. 3	92.0	97.0	5.0	5.0		5.0	Clay	
Core No. 4	97.0	102.0	5.0	4.2		4.2	Clay + IR	M
Core No. 5	102.0	107.0	5.0	5.0		4.5	IR	
Core No. 6	107.0	112.0	5.0	5.0		5.0	IR	
Core No. 7	112.0	117.0	5.0	3.8		3.0	IR	
Core No. 8	117.0	122.0	5.0	5.0		4.3	IR + Clay	
	122.0	127.0	5.0	5.0		5.0	Clay	
Core No. 9								
Core No. 9								
Core No. 10								
Core No. 10 Core No. 11								
Core No. 10 Core No. 11 Core No. 12								
Core No. 10 Core No. 11 Core No. 12 Core No. 13								
Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14								
Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15								
Core No. 10 Core No. 11 Core No. 12 Core No. 13 Core No. 14 Core No. 15 Core No. 16		TOTAL	45.0	43.0		40.7		



Hole No. 27 Hole ID	SW-27	
GPS Elevation Collar 2633	.20	
Sounding Depth 142.0 Top Iron	2516.2 Ва	ase Iron 2501.2
Estimated Actual		
kness Overburden 127.6 117.0 ft	Est. 5ft Sleeves	10.0
ess of Upper Zone ft No.	of Core Boxes	2.0
Est. Core Point 2515.4 2516.2 ft	Core Cut	25.0
Thickness of Iron 24.6 15.0 ft	Fe Core Cut	15.0
End of Hole 2491.2 ft		
From To Core Cut (ft) Core Recovered	RQD	Notes
1 117.0 122.0 5.0 4.9	4.9	Transition + IR
2 122.0 127.0 5.0 5.0	5.0	IR
3 127.0 132.0 5.0 3.3	3.3	IR + Transition
4 132.0 134.0 2.0 1.2	1.2	Sandy oily clay
5 134.0 139.0 5.0 3.2	2.8	Sandy clay
6 139.0 142.0 3.0 3.0	3.0	Sandy clay
.7		
8		
8 9		
8 9 9 10		
8 9 10 111		
8 9 9 10 11 11 12 12 1 12 1 12 1 12 1 12		
8 9 9 10 11 11 12 12 13 13 1 1 1 1 1 1 1 1 1 1 1		
8 9 10 11 11 12 13 14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
8 9 10 10 11 1 12 13 14 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		
8 9 9 10 11 11 12 12 13 14 15 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		
8 9 10 11 11 12 13 14 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17		
8 9 9 10 11 11 12 12 13 14 15 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	20.2	

- Shales recovered beneath ironstone unit



	н	ole No.	28	Hole ID		SW-28	
	GPS Elevation				26	600.95	
	Sounding	Depth	99.0	Т	op Iron	2527.6 B	ase Iron 2513.5
		Estima	ted	Actual			
Thickness	Thickness Overburden 19.7			73.4	ft	Est. 5ft Sleeves	9.0
Thickness of Upper Zone					ft	No. of Core Boxes	3.0
Es	t. Core Point	2591.	1	2542.0	ft	Core Cut	40.0 ff
Thick	kness of Iron	19.7		14.1	ft	Fe Core Cut	14.1
Thickness of				11.5	ft		
	End of Hole			2502.0	ft		
urden Notes	Gravels direc	ctly overlyi	ng iron				
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes
Core No. 1	59.0	64.0	5.0	5.0		4.5	Glacial till
Core No. 2	64.0	69.0	5.0	0.2		0.0	Gravel chunk
Core No. 3	69.0	74.0	5.0	1.4		0.7	0.7' boulder & 0.7'
Core No. 4	74.0	79.0	5.0	1.9		1.9	IR
Core No. 5	79.0	84.0	5.0	4.8		3.8	IR
Core No. 6	84.0	89.0	5.0	1.7		1.4	Transition IR
Core No. 7	89.0	94.0	5.0	5.0		4.5	Clay
Core No. 8	94.0	99.0	5.0	3.8		3.8	Clay
Core No. 9							
ore No. 10							
ore No. 11							
ore No. 12							
ore No. 13							
ore No. 14							
ore No. 15							
ore No. 16							
ore No. 17	U I					7.23	
		TOTAL	40.0	23.8	3	20.6	

Corin



		Hole No.	29	Hole ID		SW-29	1	
		levation _				94.00		
	Soundir	ng Depth	102.0	T	op Iron	2525.5 Ba	ase Iron 2507.	5
		Estima	atad	Actual			100	
Thickness	s Overburder			68.5	ft	Est. 5ft Sleeves	10.0	1
		-			-			
Thickness of	f Upper Zone	-			_ n	No. of Core Boxes	3.0	
Es	t. Core Point	2567	.8	2537.0	ft	Core Cut	45.0	f
Thick	kness of Iron	21.3	3	18.0	ft	Fe Core Cut	18.0	f
Thickness of	Lower Zone	1		15.5	ft			
THICKIESS OF	LOWEI ZOIIE		-		7			
	End of Hole			2492.0	ft			
erburden Notes	Some low r	ecoveries i	n iron					
			The same					
	From	То	Core Cut (ft)	Core Reco	vered	RQD	Notes	
Core No. 1	57.0	62.0	5.0	5.0		5.0	Clay	
Core No. 2	62.0	67.0	5.0	5.0		5.0	Clay	
Core No. 3	67.0	72.0	5.0	3.8		3.6	IR	
Core No. 4	72.0	77.0	5.0	2.1		1.5	IR	
Core No. 5	77.0	82.0	5.0	3.1		2.0	IR	
Core No. 6	82.0	87.0	5.0	2.5			IR + Clay	
Core No. 7	87.0	92.0	5.0	5.0		5.0	Clay	
Core No. 8	92.0	97.0	5.0	4.8	_	4.8	Clay	
Core No. 9	97.0	102.0	5.0	5.0	_	5.0	Clay	
Core No. 10			5.0	1				
Core No. 11								
Core No. 12								
Core No. 13								
Core No. 14								
Core No. 15								
Core No. 16				1				
Core No. 17								
				4				
		TOTAL	45.0	36.3	3	34.4		

- Poor recoveries in the iron.

⁻ LAST HOLE DRILLED BY RADIUS RIG #2

⁻ Radius Rig #2 finished hole and packed up to be transported away from site, leaving Radius Rig #1 to finish up the remainder of the holes (SW-28 and SW-20A).



		Hole No.	30	Hole ID		SW-30		
	GPS E	Elevation _		Collar	26	521.42		
	Soundi	ng Depth _	132.0		op Iron	2516.2 E	Base Iron 2500.1	
		Estima	ated	Actual				
Thicknes	s Overburde	n 88.	6	105.2	ft	Est. 5ft Sleeve	s 10.0	
Thickness o	f Upper Zone				ft	No. of Core Boxe	s 4.0	
Es	st. Core Point	2542	2.7	2544.4	ft	Core Cu	t 55.0	ft
Thic	kness of Iron	24.	6	16.1	ft	Fe Core Cu	ıt 16.1	ft
Thickness o	f Lower Zone			10.7	ft			F
	End of Hole			2489.4	ft			
erburden Notes	No glacial t	ill encount	ered					
	From	То	Core Cut (ft) Core Reco	vered	RQD	Notes	
Core No. 1	77.0	82.0	5.0	4.7		4.7	Clay	
Core No. 2	82.0	87.0	5.0	4.7		4.7	Clay	
Core No. 3	87.0	92.0	5.0	4.9		4.9	Clay	
Core No. 4	92.0	97.0	5.0	5.0		5.0	Clay	
Core No. 5	97.0	102.0	5.0	5.0		5.0	Clay	
Core No. 6	102.0	107.0	5.0	5.0		5.0	Clay + IR	
Core No. 7	107.0	112.0	5.0	5.0		5.0	IR	
Core No. 8	112.0	117.0	5.0	2.5		2.3	IR	
Core No. 9	117.0	122.0	5.0	4.2		3.5	IR -> Transition	/Cla
Core No. 10	122.0	127.0	5.0	4.8		4.6	Transition -> Cla	ay
Core No. 11	127.0	132.0	5.0	4.2		4.2	Clay	
Core No. 12								
Core No. 13								
Core No. 14								_ 1
Core No. 15								
Core No. 16							8	
Core No. 17		TOTAL	55.0	50.0)	48.9		
Core No. 17			% Recove	ry 90.99	. 1	88.9%		



2012 South Whitemud Drilling Program

Core Descriptions



Hole ID SW-01A Project South Whitemud River Date Logged 2012/02/24 Logged By Liam Murphy

Collar 783.10 Total Depth 737.7 Core Size HQ Lat 56.68 Long -118.45

Depth (ft)		ft)	Description	Sub-Depth (ft)			Sub-Interval Description	Domarko
From	То	Interval			From To Interval		Remarks	
39.0	49.0	10.0	[GLACIAL TILL] Green/brown gray clay unit with small quartz and sandstone pebble inclusions. MOHS 2.			- 1		
49.0	59.0	10.0	[GRAVEL/BOULDER SEAM] Gravels and cobbles ranging in diameter from 1cm to 15cm.					Good recovery of gravels
59.0	113.2	54.2	[SHALE] Dark gray and homogeneous shale/clay unit with very few inclusions. Massive. MOHS 2-3.	59.0	61.0	2.0	Sulfur stained and softer (less resistive) with some pebble sandstone and quartz inclusions	
				84.0	90.0	6.0	LOST CORE	
				94.0	101.0	7.0	LOST CORE	
			Variable of the second	106.0	113.2	7.2	Iron stained sandy shales; homogenous with minor amount of ooids present	
113.2	3.2 140.4 27.2	27.2	[IRONSTONE] Rusted brown/orange oolitic sandstone/sand unit. Varying degrees of recessiveness. Massive - no bedding but varying degrees of lithification. Some small pebble inclusions (sandstone and quartz) seen in more resistive ironstone intervals. MOHS 2.5-4.0.	113.2	117.6	4.4	Very sandy and recessive oolitic sand unit. Very rusted/oxidized. Massive structure. MOHS 2-3.	
			(sandstone and quartz) seen in more resistive ironstone intervals. MOHS 2.5-4.0.	117.6	125.0	7.4	Densely oolitic ironstone with increased hardness and resitivity. Broken up in some areas; less rusted/oxidized color; massive structure; matrix eroded in some areas. MOHS 4-5.	12
				125.0	129.0	4.0	Weaker and more rusted/oxidized oolitic sands. Massive structure. MOHS 2-3.	Interbedded rusted clay/shale layer at 127.9' depth (1" thick)
				129.0	130.7	1.7	Moderately oolitic ironstone. More resistive and less evidence of rusting/oxidization.	State of the state
				130.7	140.4	9.7	Broken up iron ooids and sandy clasts/cobbles. Rounding of cobbles and clay content increasing with increasing depth.	Only 1.9' recovered over 9.7' interval (broken up clasts)
140.4	149.0	8.6	[SHALE] Medium gray homogeneous and massive shale/clay unit. Some sulfur staining and minor sulfide presence (framboidal pyrite). MOHS 2-3.	7				



Hole ID SW-02A Project South Whitemud River Date Logged 2012/02/25 Logged By Andrew Reader

Collar 778.92 Total Depth 736.6 Core Size HQ Lat 56.68 Long -118.44

Depth (ft)		ft)	Description	Sub-Depth (ft)			Sub Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
99.0	100.3	1.3	LOST CORE - Washout					
100.3	100.5	0.3	[GLACIAL TILL] Medium gray clay with rounded pebbles.					
100.5	124.3	124.3 23.8	[IRONSTONE] Ooidal ironstone unit. Brown/green to orange/brown in color. Variable amounts of clay throughout. The upper sections grade from high clay content with reduced clay content with increased depth. Rubbly ironstone found in some areas (iron clasts/cobbles). MOHS 4.	100.5	103.2	2.7	[TRANSITION] Moderately oolitic ironstone grading, with depth, into densely oolitic ironstone. Brown in color and fairly competent. MOHS 3.	
	clay co increas some a	ay content with reduced clay content with creased depth. Rubbly ironstone found in ome areas (iron clasts/cobbles). MOHS 4.	103.2	109.0	5.8	[IRONSTONE] Densely oolitic ironstone. Dark green/brown in color. MOHS 4-5.		
				109.0	110.8	1.8	LOST CORE - Washout	
				110.8	114.0	3.3	[IRONSTONE] Primarily densely oolitic ironstone with moderately oolitic ironstone from 111.75 -112.75 Fairly competent. MOHS 3-4.	
				114.0	122.0	8.0	LOST CORE - Washout	
				122.0	124.3	2.3	[RUBBLY IRONSTONE] Ironstone clasts in shaley unit.	
124.3	139.0	14.8	[SHALE] Medium gray shale unit with variable amounts of sand throughout. Fairly homogeneous and oily throughout.	134.0	135.5	1.5	LOST CORE - Washout	
					1-			



Hole ID SW-03A

Project South Whitemud River

Date Logged 2012/02/24

Logged By Andrew Reader

Collar

778.79

Total Depth 741.0

Core Size HQ

at 56.68

Long

-118.44

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-interval Description	Remarks
60.5	64.0	3.5	[GLACIAL TILL] Dark gray clay unit with pebbles and boulders. MOHS 1-2.	63.0	64.0	1.0	Boulder with garnets	59.0' - 60.5' : LOST CORE
64.0	92.3	28.3	[SHALE] Medium gray homogeneous and monotonous shale/clay unit. Shells present (marine shales). MOHS 2.	76.3	76.3	0.1	Shell present in shales/clays	64.0' - 65.5' : LOST CORE 68.1' - 69.0' : LOST CORE 74.0' - 75.0' : LOST CORE
	M		MOHS 2.					79.0' - 80.9' : LOST CORE 84.0' - 85.0' : LOST CORE 89.0' - 89.75': LOST CORE
92.3	104.0	11.8	[IRONSTONE] Ooidal ironstone unit. Grades from shale into ironstone at top of unit, which transitions into a densely colitic ironstone at bottom (104' depth).	92.3	94.0	1.8	[TRANSITION] Moderately oolitic ironstone. Grading from shale into ironstone. Crumbly with red faces on iron clasts. Some light colored clasts at 93.5' depth.	
			ironstone at top of unit, which transitions into a densely colitic ironstone at bottom (104' depth) Orange/brown colored throughout. High argillaceous content throughout. Not very competent. MOHS 3.	97.0	104.0	7.0	[IRONSTONE] Transition from moderately oolitic ironstone into densely oolitic ironstone. Good recoveries but very soft. MOHS 3.	
104.0	107.3	3.3	LOST CORE - washout (w/o)					104.0' -107.25' : LOST CORE
107.3	109.0	1.8	[OOIDAL SANDSTONE] Dark gray muddy/shaley sandstone unit. Poorly sorted. Some Fe present. MOHS 3.					
109.0	124.0	15.0	[SHALEY SANDSTONE] Medium gray muddy/shaley sandstone unit. Variable sand content. Poorly sorted grains. Oily.	110.5	111.0	0.5	Unconsolidated sands.	109.0' - 110.5'; LOST CORE
				111.0	114.0	3.0	Clay-rich sandstone. Medium gray shale/clay with some sands present and mixed throughout	
				114.0	114.5	0.5	Unconsolidated Sandstone	114.5' - 116.6': LOST CORE
				116.6	119.0	2.4	Shale/clay rich sandstone	
				119.0	122.0	3.0	Unconsolidated Sands (poor recoveries)	
				122.0	124.0	2.0	Shale/clay rich sandstone	



Hole ID SW-04	Project South Whitemud River	Date Logged 2012/02/26	Logged By Liam Murphy	
---------------	------------------------------	------------------------	-----------------------	--

Collar 785.44 Total Depth 744.6 Core Size HQ Lat 56.68 Long -118.46

- 1	Depth (ft)	Description	Sul	b-Dept	h (ft)	Sub-lateral Description	Downster	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks	
64.0	73.2	9.2	LOST CORE		HT.			NO IRON RECOVERED	
72.4	76.8	4.4	[GLACIAL TILL] Dark/medium gray clay/shale unit. Slightly sandy with cobbles visible in shale at 74' depth. MOHS 2.						
76.8	84.0	7.2	LOST CORE						
84.0	134.0	50.0	[GRAVELS/BOULDERS] Quartzite and other metamorphic gravels and cobbles with extremely poor recovery (0.8' over 50' interval). Gravels/cobbles ranging from 1 cm to 9 cm in diameter. Some clays 'mixed up' (together) with pebbles for ~2". MOHS 6-7.					VERY POOR RECOVERY 0.8' RECOVERED OVER 50.0	
						1 6 8 0			



Hole ID SW-05 Project South Whitemud River Date Logged 2012/02/25 Logged By Andrew Reader

Collar 798.71 Total Depth 743.2 Core Size HQ Lat 56.68 Long -118.45

	Depth (ft)	Description	Su	b-Dept	h (ft)	Cub Interval Decementary	
From	То	Interval			То	Interval	Sub-Interval Description	Remarks
102.0	144.2	42.2	[SHALE] Medium gray and homogeneous shale unit. Some shells present (marine shales). Iron staining visible towards base of unit. MOHS 2.	111.0	112.0	1.0	Abundant shells in shale	
				129.0	144.2	15.2	Iron stained shales throughout. Becomes much more iron stained between 142'-144.15' depth	
144.2	145.2	1.0	[IRONSTONE] Moderately oolitic ironstone/shale. Iron ooids in shale. Very iron stained. MOHS 2.					
145.2	149.0	3.9	[SHALE] Medium gray and homogeneous shale unit. Iron staining visible.					147.0' - 148.25' : LOST CORE
149.0	176.8	27.8	[IRONSTONE] Brown/green coidal ironstone unit. Clay content variable throughout. Competency variable throughout. MOHS 2-4.	149.0	152.0	3.0	Ironstone with high clay content. Rubbly iron. Grades from moderately to densely oolitic at base.	152.0' - 154.0': LOST CORE
			unoughout. MOHS 2-4.	154.0	157.0	3.0	Densely oolitic ironstone. 154'-155' is unconsolidated. 155'-157' well consolidated. MOHS 4.	157.0' - 159.5' : LOST CORE
				159.5	162.0	2.5	Poorly consolidated densely oolitic ironstone. Brown/orange in color. MOHS 2.	10.00
				163.8	169.0	5.3	Ironstone - unconsolidated iron sands from 163.75'-167.0' depth. Competent densely oolitic ironstone from 167'-169' depth.	162.0' - 163.75' : LOST CORE
				170.5	172.0	1.5	Competent densely oolitic ironstone	169.0' - 170.5' : LOST CORE
				174.8	176.8	2.0	Competent densely oolitic ironstone	172.0' - 174.75' : LOST CORE
176.8	182.0	5.3	[SHALE] Medium gray and homogeneous shale unit. Quite competent. Some iron staining near top of unit. MOHS 2.	177.0	177.3	0.3	Abundant iron staining and veins of clear crystals (gypsum?) throughout. MOHS 4.	



Hole ID SW-06 Project South Whitemud River Date Logged 2012/02/25 Logged By Liam Murphy

Collar 796.02 Total Depth 744.5 Core Size HQ Lat 56.68 Long -118.44

Depth (ft)		ft)	Description	Sub-Depth (ft)			Sub-Interval Description	Damada
From	То	Interval	Description	From	То	Interval		Remarks
104.0	04.0 134.0 30.0	[SHALE] Medium gray homogeneous and massive shale/clay unit. No inclusions present with the exception of gravels between 118.3'-119.5' depth. MOHS 2.	107.9	109.0	1.1	Homogeneous shale	104.0' - 107.9' : LOST CORE 109.0' - 112.6' : LOST CORE	
		depti. Horio E.	112.6	113.2	0.6	Homogeneous shale	113.2' - 118.3': LOST CORE	
				118.3	118.7	0.4	Gravels recovered and interbedded with shale until 119.5' depth	
				118.7	119.5	0.8	Gravels interbedded in shales	
				119.5	134.0	14.5	Massive shale interval. Shale becomes sandier at base of unit between 131'-134' depth.	
134.0	4.0 159.6 25.6	[IRONSTONE] Dark brown/black oolitic sandstone unit. Moderately mottled with clay and argillaceous material. Pebble inclusions seen throughout. Massive structure with some very small veins	134.0	139.0	5.0	Moderately oolitic ironstone; more recessive and sandy unit. Muddier. Matrix washes away with water.		
			(gypsum?). MOHS 4-5.	139.0	158.0	19.0	Densely colitic ironstone with mottled clay and argillaceous material. MOHS 5.	
				158.0	159.6	1.6	Increasing sand and clay content with depth. More broken up/rubbly. MOHS 3.	
159.6	163.0	3.4	[TRANSITION] More recessive sandstone unit; mildly oolitic and massive; very mottled with argillaceous material; increasing sand/clay content with depth. Very gradual and gradational contact with underlying shale. MOHS 2-3.					
163.0	169.0	6.0	[SHALE] Medium gray homogeneous and massive shale/clay unit. Some Fe/S staining visible at top of unit. Sand content decreases with depth. Some sulfide presence (minor pyrite mineralization). MOHS 2-3.					



Hole ID	SW-07	Project South Whitemud River	Date Logged 2012/02/26	Logged By	Quinn Brown	
				_		

Collar 790.30 Total Depth 743.4 Core Size HQ Lat 56.68 Long -118.44

	Depth (ft)	Decemention	Su	b-Dept	h (ft)	Sub-lateral Bassistics	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
86.0	95.3	9.3	[SHALE] Medium grey homogeneous shale unit. MOHS 2.				2	
95.3	110.7	15.5	[IRONSTONE] Medium brown/grey densely oolitic ironstone with argillaceous inclusions and minor amounts of small pebbles. MOHS 3-5.	109.0	110.7	1.7	Broken and chunky ironstone	98.0' - 99.3' : LOST CORE 104' - 105' : LOST CORE
110.7	113.0	2.3	[SHALE] Medium grey shale unit. MOHS 2.					-
113.0	119.0	6.0	[SANDY IRONSTONE] Moderately oolitic sandy ironstone unit with abundant small pebbles and oily scent.					
119.0	133.0	14.0	[SANDSTONE] Dark grey, poorly sorted sandstone with abundant clay. Very poor recoveries from 119'-128' depth.	130.3	130.5	0.2	Chunks of sandstone with minor amounts of shale	120.0 - 128.2 : LOST CORE 129.0 - 130.3 : LOST CORE
133.0	133.5	0.5	[IRONSTONE] Small chunks of densely oolitic ironstone present. MOHS 4-5.					
133.5	143.0	9.5	[SANDSTONE] Dark grey, poorly sorted sandstone with abundant shale. MOHS 3.					
143.0	154.0	11.0	[SHALE] Medium grey shale unit with layers of intermittent centimeter-sized pebbles.					
		-						
					1			
						3.5		



Hole ID	SW-08	Project	South Whitemud River	Date Logged	2012/03/01	Logged By	Quinn Brown
---------	-------	---------	----------------------	-------------	------------	-----------	--------------------

Collar 785.40 Total Depth 744.4 Core Size HQ Lat 56.68 Long -118.43

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-Interval Decements	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
64.0	126.3	62.3	[SHALE] Medium gray shale. Scarce and intermittent mm-scale pebbles present. MOHS 1-2.	76.0	76.1	0.1	Layers of thin, white fibrous material. Reacts intensely with HCl. Shell fragments?	
			10	77.8	77.9	0.1	mm-scale pyrite at 77.8' depth	
				79.5	79.8	0.3	Layer of mm-scale pebbles.	
				82.1	82.1	0.0	cm-scale pyrite at 82.1' depth	
				87.8	87.9	0.1	Layer of mm-scale pebbles	
126.3	134.0	7.7	[SANDSTONE] Dark gray sandstone with high clay content.	128.8	128.8	0.1	Large shell fragments at 128.75' depth	
			1					
						-		



Hole ID SW-09

Project South Whitemud River

Date Logged 2012/02/24

Logged By Quinn Brown

Collar

798.97

Total Depth 749.6

Core Size HQ

Lat

56.68

Long

	Depth (ft)	Decemention	Su	b-Dept	h (ft)	Sub Interval Description	
From	То	Interval	- Description -	From	То	Interval	Sub-Interval Description	Remarks
102.0	114.6	12.6	[SHALE] Medium gray shale with iron staining throughout. MOHS 2.					110.8 - 112.0 : LOST CORE
114.6	149.3	34.7	[IRONSTONE] Gray-brown to dark-gray-brown oolitic ironstone unit. MOHS 1-5.	114.6	115.3	0.7	Sandy moderately to densely colitic ironstone mixed with minor amounts of shale.	
		1 11		115.3	117.0	1.7	Dark gray densely oolitic ironstone interlayered with moderately oolitic ironstone. MOHS 2-5.	117.0' - 119.0' : LOST CORE
				119.0	119.5	0.5	Sandy, mildly oolitic ironstone mixed with shale. MOHS 1.	
				119.5	122.0	2.5	Intermixed mildly and moderately oolitic ironstone along with shale. Clear/milky nodules present in a few areas. MOHS 2-4.	
				122.0	127.0	5.0	Light grey-brown densely colitic ironstone. MOHS 4-5.	127.0' - 129.25' : LOST CORE
				129.3	130.3	1.0	Highly oolitic ironstone mixed with shale. MOHS 1-2.	
				130.3	137.0	6.8	Medium gray-brown densely oolitic ironstone with large consolidated ironstone chunks. MOHS 4-5.	137.0' - 138.35' : LOST CORE
				138.4	142.0	3.7	Brown moderately oolitic ironstone mixed with shale along with densely oolitic ironstone chunks.	142.0' - 144.0' : LOST CORE
				144.0	145.0	1.0	Brown moderately oolitic ironstone mixed with shale along with densely oolitic ironstone chunks.	
				145.0	149.3	4.3	Medium gray-brown densely oolitic ironstone. MOHS 4-5.	
140.2	162.0	10.7	ICHALE)		7.0			150.1' - 152.0' : LOST CORE
149.3	162.0	12.7	[SHALE] Medium gray shale. MOHS 2.					157.0' - 159.5' : LOST CORE



Hole ID SW-10

Project South Whitemud River

Date Logged 2012/02/24

Logged By Quinn Brown

Collar

806.07

Total Depth

749.1

Core Size HQ

Lat

56.68

Long

5 = 3	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Internal Decements	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
127.0	138.0	11.0	[SHALE] Medium gray shale. MOHS 2-3.					
138.0	152.1	14.1	[IRONSTONE] Light gray-brown to dark gray ironstone. MOHS 3-5.	138.0	138.7	0.7	Moderately oolitic transitional ironstone.	129.7' 142.0' - LOST CODE
				142.0	147.5	5.5	Interlayered gray-brown densely oolitic ironstone with layers of densely oolitic ironstone mixed with shale	138.7' - 142.0' : LOST CORE 143.75' -144.25' : LOST CORE 146.0' - 147.0' : LOST CORE
				147.5	148.0	0.5	Unconsolidated ironstone mixed with small amounts of shale.	148.0' - 152.0' : LOST CORE
				152.0	152.1	0.1	Chunky densely oolitic ironstone in shale.	153.5' - 154.7' : LOST CORE
152.1	156.5	4.4	[SHALE] Medium gray shale mixed with angular pebbles. MOHS 1.	154.7	156.5	1.8	Shale with angular pebbles.	100.0 - 104.7 . E001 OOKE
156.5	177.0	20.5	[IRONSTONE] Medium brown-green oolitic ironstone unit.	156.5	157.0	0.5	Highly oolitic ironstone unit mixed with shale.	
				157.0	160.0	3.0	Densely colitic ironstone and loosely consolidated ironstone interlayered with areas of lost core (1.3' lost core)	
				160.0	161.0	1.0	Moderately to densely oolitic ironstone mixed with light brown shale.	
				161.0	162.0	1.0	Solid densely oolitic ironstone with chunks.	162.0' - 163.5' : LOST CORE
				163.5	169.3	5.8	Solid and chunky densely colitic ironstone interlayered with areas of light brown shale.	169.3' - 171.0' : LOST CORE
				171.0	177.0	6.0	Highly oolitic ironstone and densely oolitic ironstone chunks mixed in light brown shale. (175'-176' lost core)	175.0' - 176.0' : LOST CORE
177.0	187.0	10.0	[SHALE] Medium gray shale. MOHS 1-2.	181.7	181.8	0.1	Small piece of gypsum?	



Hole ID SW-11

Project South Whitemud River

Date Logged 2012/02/25

Logged By Liam Murphy

Collar

808.13

Total Depth 751.1

Core Size HQ

at

56.68

ong

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-interval Description	Remarks
142.0	162.0	20.0	[SHALE] Medium gray, massive shale/clay unit; homogeneous with no apparant inclusions. MOHS 2.					147.0' - 149.8' : LOST CORE
162.0	169.5	7.5	[RUBBLY IRONSTONE] Very broken up, oolitic ironstone pieces (1cm -8cm in diameter). Some completely covered with hydrocarbons (oil stained). Moderately to densely oolitic chunks broken up (angular). Extremely poor recovery. Nature of this core possibly due to drilling issues? MOHS 4-5.	162.0	167.0	5.0	Extremely poor recoveries: five foot interval with only 0.9' recovered. Very oil stained ironstone (totally black and drenched in oil). Pieces between 1cm and 8cm across in diameter.	
			densely contric chunks broken up (angular). Extremely poor recovery. Nature of this core possibly due to drilling issues? MOHS 4-5.	167.0	169.5	2.5	Poor recoveries continue. 2.5' interval with only 0.7' recovered. Broken up ironstone fragments 1cm-6cm across in diameter. No oil staining present.	
169.5	187.0	17.5	[IRONSTONE] Dark green/brown densely oolitic sandstone/ironstone unit. Massive structure; fairly homogeneous with some pebble inclusions. Some minor quartz and sandstone inclusions (rounded and <0.5cm in diameter). Fairly consistent over entire 17.5' interval. Argillaceous and clay content mottled throughout. Some areas where matrix is removed. MOHS 4-5.	186.0	187.0	1.0	Slightly more broken up moderately/densely oolitic ironstone. A bit sandier but remains fairly consistent with overlying ironstone.	182.0' - 183.3' : LOST CORE
								5



Hole ID SW-12 Project South Whitemud River Date Logged 2012/02/27 Logged By Quinn Brown

 Collar
 803.74
 Total Depth
 738.5
 Core Size HQ
 Lat
 56.68
 Long
 -118.44

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Interval Description		
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks	
126.0	154.9	28.9	[SHALE] Medium grey shale with scarce intermittent pebble and gypsum inclusions.						
154.9	181.5	26.6	[IRONSTONE] Brown-green colitic ironstone with abundant argillaceous inclusions/veins and small pebbles.	154.9	158.6	3.7	Moderate to highly oolitic ironstone intermixed with shale. MOHS 3-4.		
			MÖHS 4-5+.	158.6	167.4	8.8	Densely colitic ironstone with abundant small pebbles and argillaceous inclusions/veins. MOHS 5.	167.4' - 167.9' : LOST CORE	
				167.9	168.3	0.4	Densely oolitic ironstone with abundant small pebbles and argillaceous inclusions/veins. MOHS 5.	10111 10110 1 2001 00112	
				168.3	169.8	1.5	Chunky and broken densely oolitic ironstone.		
				169.8	179.0	9.2	Densely oolitic ironstone with abundant small pebbles and argillaceous inclusions/veins. MOHS 5.	171.1' - 172.1' : LOST CORE 172.4' - 173.2' : LOST CORE 175.8' - 176.3' : LOST CORE	
				180.2	181.5	1.3	Chunky and broken densely oolitic ironstone.	179.0' - 180.2' : LOST CORE	
181.5	204.5	23.0	[SHALE] Medium grey shale. MOHS 1-2.	181.5	188.0	6.5	Silty/sandy shale with oily smell (abundant oil).	185.2' - 186.9' : LOST CORE	
								189.0' - 191.3' : LOST CORE 194.0' - 197.7' : LOST CORE 199.0' - 203.3' : LOST CORE 204.0' - 204.5' : LOST CORE	
204.5	214.0	9.5	[SANDSTONE] Light grey, quartz-rich sandstone abundant with clays. MOHS 2.					209.0' - 210.3' : LOST CORE	
		75				1			
		-							



Hole ID	SW-13		Project So	uth Whitemud F	River Da	te Logged 20	012/02/26	Logged By	Quinn Brown		
Collar	797.01	1	Total Depth	744.0	Core Siz	e HO	Lat	56.68	Long	-118.43	

	Depth (ft)	Description	Su	b-Dept	h (ft)	Cub Internal Decements	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
111.0	141.3	30.3	[SHALE] Medium grey shale. MOHS 1-2.	111.0	111.3	0.3	Layer of 1cm - 5cm sized rounded pebbles.	129.0' - 129.6' : LOST CORE
141.3	155.2	14.0	[IRONSTONE] Brown-green grey oolitic ironstone unit with abundant clay inclusions and small pebbles. MOHS 3-4.	141.3	142.3	1.0	Moderately oolitic ironstone mixed with shale.	
				142.3	143.5	1.3	Densely oolitic ironstone. MOHS 4.	
				143.5	153.5	10.0	Densely colitic ironstone. Loosely consolidated. MOHS 3.	
				153.5	155.2	1.7	[TRANSITION ZONE] Moderately oolitic ironstone mixed with shale.	
				-				159.0' - 159.6' : LOST CORE
155.2	174.0	18.8	[SHALE] Medium-dark grey shale unit. MOHS 1-2.	164.3	165.0	0.8	Layer of consolidated oily sandstone. MOHS 4.	164.0' - 164.3' : LOST CORE
								169.0' - 169.8' : LOST CORE
							7	
							-11.55	
								and see at
15 - 19								



Hole ID SW-14 Project South Whitemud River Date Logged By Quinn Brown

Collar 782.15 Total Depth 745.0 Core Size HQ Lat 56.67 Long -118.46

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Interval Description	A F F S S S S S S S S S S S S S S S S S
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
								47.0' - 61.9' : LOST CORE
61.9	102.5	40.6	[GLACIAL TILL] Gravel and pebbles in a medium grey silty/sandy clay. MOHS 1-2.					64.3' - 70.3' : LOST CORE 71.3' - 72.0' : LOST CORE 74.0' - 81.0' : LOST CORE 81.7' - 85.0' : LOST CORE 86.3' - 87.0' : LOST CORE 88.0' - 90.8' : LOST CORE 91.3' - 95.3' : LOST CORE 97.0' - 101.0' : LOST CORE
102.5	122.0	19.5	[SHALE] Medium grey silty shale with oily scent.	112.0	117.0	5.0	Very scarce iron staining visible.	103.0' - 105.8' : LOST CORE 109.7' - 112.0' : LOST CORE 117.0' - 121.0' : LOST CORE
			4					



Hole ID

SW-15

Project South Whitemud River

Date Logged 2012/02/27

Logged By Quinn Brown

Collar

796.58

Total Depth

751.8

Core Size HQ

Lat

56.67

Long -118.46

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Internal Description	2007
rom	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
107.0	133.8	26.8	[IRONSTONE] Brown-green grey oolitic ironstone unit with small mm-scale pebbles and argillaceous inclusions. MOHS 1-5.	107.0	109.9	2.9	Moderately-densely oolitic ironstone with shale. Loosely to moderately consolidated with intermittent clay layers. MOHS 1-3.	
				109.9	112.0	2.1	Densely oolitic ironstone mixed with shale and densely oolitic ironstone chunks. MOHS 2.	
				112.0	128.0	16.0	Densely oolitic ironstone with pebbles and argillaceous inclusions. MOHS 5+.	
				128.0	133.8	5.8	[TRANSITION ZONE] Ironstone mixed with silty shale. Some densely oolitic chunks and clay layers. MOHS 2-3.	133.0' - 133.7' : mm-scale gypsum veins and cm-scale circular/veiny gypsum inclusions
133.8	147.0	13.3	[SHALE] Medium grey shale. Sulfur and iron staining visible. MOHS 1-2.					
			410					



Hole ID SW-16

Project South Whitemud River

Date Logged 2012/02/27

Logged By Quinn Brown

Collar

808.24

Total Depth

751.2

Core Size HQ

Lat

56.67

Long -1

	Depth (ft)	Depositation	Su	b-Dept	h (ft)	0.5.1.4	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
147.0	150.8	3.8	[SHALE] Medium grey shale. MOHS 1-2.	147.4	147.5	0.1	Thin layer of small mm-sized subangular pebbles	
150.8	174.0	23.3	[IRONSTONE] Brown-green to medium grey-brown ironstone with abundant small mm-sized pebbles. MOHS	150.8	152.5	1.8	Moderately colitic ironstone unit. Moderately consolidated with thin clay layers throughout. MOHS 3-4.	
		2-4.	152.5	170.6	18.1	Densely oolitic ironstone with some thin clay layers at 154.25' depth and 158.3' depth. Argillaceous inclusions also present.	157.0' - 157.5' : LOST CORE	
				170.6	174.0	3.4	[TRANSITION ZONE] Moderately oolitic ironstone intermixed with shale. Some thin clay layers present. MOHS 1-4.	171.4' - 172.0' : LOST CORE
								174.0' - 174.5' : LOST CORE
174.0	187.0	13.0	[SHALE] Medium grey shale. MOHS 1-2.	174.5	178.9	4.4	Silty shale with oily scent. MOHS 1-2.	
		and a						
		4						



Hole ID SW-17

Project South Whitemud River

Date Logged 2012/02/29

Logged By Quinn Brown

Collar

801.40

Total Depth

739.2

Core Size HQ

Lat

56.67

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Cot lateral Description	Para Marian
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
117.0	131.3	14.3	[SHALE] Medium grey shale unit. Very scarce small pebbles and cm-scale gravel pieces present. MOHS 1-2.	118.5	122.0	3.5	Extremely soft clay, MOHS 0.5	118.0' - 118.5' : Gravel layer
				127.0	128.5	1.5	Very soft silty/sandy clay. MOHS 0.5	
				131.0	131.3	0.3	Silty/Sandy shale. MOHS 1-2	100
131.3	157.8	26.6	[IRONSTONE] Grey-green colitic ironstone unit with small pebble inclusions. Argillaceous inclusions/veins present in densely colitic areas.	131.3	132.0	0.7	Chunky and broken moderately oolitic ironstone mixed with shale	
				132.3	139.0	6.8	Chunky/fractured densely oolitic ironstone with intermittent clay layers	
				139.0	140.5	1.5	Chunky densely oolitic ironstone with only 50% core recovery	139.0' - 140.5' : 50% core rec.
				140.5	147.0	6.5	Chunky and broken densely oolitic ironstone with some thin clay layers	142.8' - 143.5' : LOST CORE
				147.0	155.3	8.3	Densely oolitic ironstone	152.0' - 153.75' : LOST CORE
				155.3	157.8	2.6	[TRANSITION ZONE] Densely and moderately oolitic ironstone chunks with silty/sandy shale	157.0' - 157.5' : LOST CORE
157.8	204.0	46.2	[SHALE] Medium grey shale unit. Scarce and intermittent pebble and gravel pieces. Intermittent iron staining. Some silty/sandy intervals with oily smell. MOHS 1-2.	157.8	159.8	2.0	Sandy/silty shale with oily smell	
		-//	smell. MOHS 1-2.	159.8	172.6	12.9	Medium grey shale	172.0' - 172.6' : LOST CORE
				172.6	189.5	16.9	Sandy/silty shale with oily smell	172.8' - 174.3' : LOST CORE 177.0' - 180.0' : LOST CORE
				189.5	204.0	14.5	Shale with pyrite	195.1' - 197.0' : LOST CORE



Hole ID SW-18 Project South Whitemud River Date Logged 2012/02/28 Logged By Quinn Brown

Collar 800.04 Total Depth 740.9 Core Size HQ Lat 56.67 Long -118.44

rom	Depth (ft)	Description	Sub-Depth (ft)			Sub-Interval Description	Remarks	
	То	Interval	Description	From	То	Interval	Sub-interval Description	Remarks
74.0	138.0	64.0	[SHALE] Medium grey shale unit. A few small pebbles intermittently spaced. MOHS 2.					116.8' - 117.3' : LOST CORE
138.0	167.0	29.0	[IRONSTONE] Green-grey-brown oolitic ironstone unit. Mildly to densely oolitic with small pebbles intermixed. Abundant argillaceous inclusions and veins/layers also present.	138.0	139.0	1.0	Moderately oolitic sandy ironstone unit with shale. Some small gypsum crystals present. MOHS 3.	
	veins/layers also present.	139.0	139.8	0.8	Densely oolitic ironstone unit with abundant small pebble and argillaceous inclusions. MOHS 5.			
				139.8	141.8	2.0	Chunky and broken densely oolitic ironstone unit with clay layers.	-
				141.8	147.3	5.5	Densely oolitic ironstone unit with abundant small pebble and argillaceous inclusions. MOHS 5.	
				147.3	148.0	0.8	Chunky and broken densely oolitic ironstone unit with clay layers.	
				148.0	161.5	13.5	Densely oolitic ironstone unit with abundant small pebble and argillaceous inclusions. MOHS 5.	
				161.5	164.0	2.5	Chunky and broken densely oolitic ironstone unit mixed with clay. Unit transitions to moderately oolitic closer to 164' depth.	
				164.0	167.0	3.0	[TRANSITION ZONE] Moderately to mildly oolitic ironstone unit mixed with shale.	
167.0	194.0	27.0	[SHALE] Medium to light grey shale unit with intermittent pebbles and iron staining. Some very small gypsum crystals also present.	167.0	169.3	2.3	Sandy/silty shale unit	
		-		0 - 0				177.0' - 179.8' : LOST CORE b/c a 10' run
								190.4' - 194.0' : LOST CORE b/c a 10' run



Hole ID SW-19 Project South Whitemud River Date Logged 2012/03/01 Logged By Quinn Brown

Collar 788.06 Total Depth 742.6 Core Size HQ Lat 56.67 Long -118.43

	Depth (ft)	Description	Su	b-Dept	h (ft)	0.1.1.1		
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Rem	narks
92.0	94.4	2.4	[GLACIAL TILL] Gravels and pebbles contained within a medium grey shale (where recovered). Very poor recoveries. MOHS 1-2.					84.0' - 92.0'	: LOST CORE
94.4	97.3	2.9	[SHALE] Medium grey shale unit with iron staining. MOHS 2.						
97.3	126.8	29.5	[SANDY IRONSTONE] Mildly to moderately oblitic sandy ironstone unit. Medium brown-grey in color. Very loosely consolidated to densely consolidated.	97.3	101.0	3.7	Mildly oolitic sandy ironstone unit mixed with shales. Loosely consolidated.		
			MOHS 1-4.	101.0	109.0	8.0	Moderately oolitic sandy ironstone unit with very poor consolidation to no consolidation whatsoever.		: LOST CORE
			113.0	119.0	6.0	Mildly to densely oolitic iron sands. Some more solid chunks of ironstone present in loosely consolidated iron sands. MOHS 2-4.		: LOST CORE VOID??	
			122.5	125.8	3.3	Mildly oolitic and loosely consolidated iron sands. Some chunky, moderate to densely oolitic sandy ironstone pieces mixed in. Some clay layers are present and large pieces of gravel are noted between 123.5'-124.0' depth.		: LOST CORE : Large gravel pieces	
				125.8	126.8	1.0	TRANSITION ZONE Iron sands mixed with silty shale. Oily scent noticeable.		
126.8	149.0	22.3	[SHALE] Medium grey shale unit with intermittent iron staining present. Small pebbles, small gypsum crystals, sulfur staining and small amounts of	126.8	128.3	1.5	Silty shale unit with small pebbles and noticeable oily scent.		
			pyrite also present.					134.0' - 136.25	: LOST CORE
								139.8' - 141.1'	: LOST CORE
								144.0' - 144.7'	: LOST CORE
							300		
			The second			-			
								Water .	1919



Hole ID SW-20A

Project South Whitemud River

Date Logged 2012/02/22

Logged By Liam Murphy

Collar

785.74

Total Depth

752.5

Core Size HQ

Lat

56.67

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-lateral Description	40.00
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
				39.0	48.3	9.3	LOST CORE - Washed out glacial till	
48.3	73.3	25.1	[GLACIAL TILL] Grey glacial till/clay unit with pebbles. Slightly sandy texture. Possibly some pyrite crystals present? MOHS 1-2.	49.0	56.3	7.3	LOST CORE - Washout	
				56.3	57.8	1.5	Glacial till as above with some larger pebbles	
				57.8	63.5	5.8	LOST CORE	
				63.5	64.0	0.5	Glacial till as above	
			43	64.0	67.7	3.7	LOST CORE - Washout	
				67.7	68.5	0.8	Glacial till as above	
				68.5	72.3	3.9	LOST CORE - Washout with large boulder at bottom	
				72.3	73.3	1.0	Glacial Boulders with the largest boulder being ~0.9' in diameter	1" sandy clay till at 73.25'
73.3	100.3	27.0	[IRONSTONE] Oolitic ironstone unit. Brown-green in color. Homogeneous and massive structure with	73.3	79.0	5.7	[TRANSITION ZONE] Moderately oolitic ironstone with high argillaceous content. Orange-brown in color. Broken up and less resistive. MOHS 2.	depth depth
			Oblitic ironstone unit. Brown-green in color. Homogeneous and massive structure with some fractures visible. Some argillaceous content increasing with depth. Some pebble inclusions present. MOHS 2-5.	79.0	92.3	13.3	Densely oolitic ironstone with increasing (90%) oold content. Some pebbles and argillaceous content. Dark green-brown in color. Grades into underlying transition zone. MOHS 4-5.	Marble pebble (2" diameter) with some clay at 86.3' depth
			ISHAI FI	92.3	100.3	8.0	[TRANSITION ZONE] Moderately oolitic ironstone with high argillaceous content. Orange-brown in color. Interbedded with clays (1" thick units) and less resisitive. MOHS 3.	Shells (2 cm diameter) at 98.5 depth
100.3	109.0	8.7	[SHALE] Medium gray, homogeneous fine clay/shale unit with some iron and sulfur staining. MOHS 2.	103.5	103.7	0.2	Hard light grey nodule hit. ~2" across with veining visible.	



Hole ID

SW-21

Project South Whitemud River

Date Logged 2012/02/25

Logged By Quinn Brown

Collar

779.55

Total Depth

733.2

Core Size HQ

Lat

56.67

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	- Sub-Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-interval Description	Remarks
52.0	104.5	52.5	LOST CORE					
104.5	109.0	4.5	[GLACIAL TILL] Medium grey clay till with cm-sized sub-angular to sub-rounded pebble inclusions. MOHS 2.	104.5	104.9	0.4	Layer of pebbles	
				104.9	107.0	2.1	Glacial till as described	
				107.0	108.3	1.3	LOST CORE	
				108.3	108.5	0.3	Layer of pebbles	
				108.5	109.0	0.5	Glacial till as described	
109.0	152.0	43.0	[SHALE] Medium to dark grey shale. MOHS 2-3.	117.0	120.0	3.0	LOST CORE	
				120.5	122.0	1.5	LOST CORE	
				137.0	137.5	0.5	Layer of mm-sized, sub-angular pebbles	
				147.0	147.5	0.5	Layer of mm-sized, sub-angular pebbles	
				147.5	152.0	4.5	Intermittent groupings of pebbles (same pebbles as above)	
- 1								
	9							



Hole ID SW-21R Project South Whitemud River Date Logged 2012/02/25 Logged By Quinn Brown

Collar 785.90 Total Depth 750.2 Core Size HQ Lat 56.67 Long -118.45

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Interval Decements	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
65.0	79.9	14.9	[GLACIAL TILL] Medium grey-brown shales interlayered with beds of angular to sub-rounded pebbles of varying sizes. Abundant iron staining. MOHS 1-4.	65.0	71.5	6.5	LOST CORE	
			MOHS 1-4.	72.5	75.5	3.0	LOST CORE	
79.9	104.4	24.5	[IRONSTONE] Brown-grey to dark grey-brown ironstone unit with small rounded pebbles throughout. MOHS 2-5.	79.9	82.0	2.1	Moderately to densely oolitic ironstone. Greybrown in color. Mixed with minor amounts of shale. MOHS 2-3.	
				82.0	87.3	5.3	Densely colitic ironstone. Moderately consolidated with some solid ironstone chunks. MOHS 4-5.	
				87.3	98.9	11.6	Solid, resistive, densely oolitic ironstone with some chunky/broken up areas. MOHS 5.	87.75' - 88.00' : LOST CORE
				98.9	102.8	3.9	Sandy, densely oolitic ironstone unit mixed with solid densely oolitic ironstone chunks. MOHS 3-5.	
				102.8	103.2	0.5	LOST CORE	
			[SHALE]	103.2	104.4	1.2	Moderately oolitic sandy ironstone. Shale content increasing with depth. Unit transitions to more of a shale unit by 104' depth. Some solid densely oolitic ironstone chunks present. MOHS' 3-5.	
104.4	117.0	12.6	Medium grey shale unit. MOHS 1-2.					



Hole ID

SW-22

Project South Whitemud River

Date Logged 2012/02/29

Logged By Quinn Brown

Collar

789.15

Total Depth

750.4

Core Size HQ

Lat

56.67

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Cub Internal December	Remarks	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description		
27.0	77.0	50.0	[GLACIAL TILL] Medium grey clays mixed with mm to (few) cm- scale subangular to subrounded pebbles. Very poor recoveries.					27.0' - 36.0' : LOST CORE 37.0' - 51.5' : LOST CORE 53.0' - 59.0' : LOST CORE 61.0' - 65.8' : LOST CORE	
77.0	88.2	11.2	[SHALE] Medium grey shale with iron staining and occasional small pebbles.	77.0	77.5	0.5	Sulfur staining	66.5' - 76.5' : LOST CORE	
				81.5	81.6	0.1	5 cm stone, light grey in color	88.2' - 88.6' : LOST CORE	
88.6	89.9	1.3	[IRONSTONE] Mildly to moderately oolitic ironstone unit mixed with shales. Brown-grey in color. MOHS 2-3.						
89.9	95.4	5.5	[SHALE] Same as above but shaller with intense iron staining						
95.4	116.5	21.1	[IRONSTONE] Green-grey and brown oolitic ironstone unit with small pebbles and argillaceous inclusions.	95.4	97.0	1.6	Moderate to densely oolitic ironstone chunks mixed with clay/shales		
				99.8	101.0	1.2	Densely oolitic ironstone chunks with clay in between	97.0' - 99.8' : LOST CORE	
				101.0	112.0	11.0	Densely oolitic ironstone. Broken in some areas with thin clay layers.	102.0' - 103.9' : LOST CORE 109.0' - 109.5' : LOST CORE 112.0' - 113.2' : LOST CORE	
				113.2	114.5	1.3	Some areas of sandy, moderately consolidated iron with densely oolitic chunks.		
				114.5	114.6	0.1	Some sort of gray, rimmed inclusion present.		
				114.6	115.3	0.7	Densely oolitic ironstone. Broken in some areas with thin clay layers.	115.4' - 116.1' : LOST CORE	
				116.1	116.5	0.4	Chunky densely colitic and moderately colitic ironstone transitioning into shale.		
116.5	127.0	10.5	[SHALE] Medium grey shale unit with a few small pebbles and minor iron staining present.						



Hole ID SW-23 Project South Whitemud River Date Logged 2012/02/28 Logged By Quinn Brown

Collar 782.14 Total Depth 735.2 Core Size HQ Lat 56.67 Long -118.44

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Internal Description	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
63.5	74.0	10.5	[GLACIAL TILL] Large boulders and pebbles mixed in a dark grey shale (where recovered). Very poor recoveries.					54.0' - 63.5' : LOST CORE 64.0' - 67.25' : LOST CORE
74.0	84.5	10.5	[SHALE] Medium grey shale with iron staining. MOHS 1-2.					
84.5	109.0	24.5	[IRONSTONE] Brown-grey-green oolitic ironstone unit with high sand content. Moderately to loosely consolidated. Some small pebbles are present. Some (but few) densely oolitic ironstone intervals. Mainly moderately to highly oolitic ironstone. MOHS 2-3.	96.2	96.7	0.5	Densely colitic ironstone with small pebbles.	94.0' - 95.3' : LOST CORE 96.7' - 97.9' : LOST CORE
	intervals. Mainly moderately to highly oolitic ironstone. MOHS 2-3.	99.4	99.7	0.3	Small densely oolitic ironstone piece.	99.7' - 101.0': LOST CORE		
				101.0	106.2	5.2	Mildly to moderately oolitic iron sands with small, iron stained silty shale (?) chunks intermixed.	
				107.5	108.5	1.0	[TRANSITION ZONE] Sandy ironstone mixed with shale. MOHS 2-3.	108.5' - 109.7' : LOST CORE
109.0	154.0	45.0	[SHALE] Medium grey shale with scarce, intermittent pebbles and small gypsum crystals. MOHS 1-2.	109.7	124.0	14.3	Abundant iron and sulfur staining.	
								1



Hole ID SW-24

Project South Whitemud River

Date Logged 2012/03/01

Logged By Quinn Brown

Collar

774.95

Total Depth 735.9

Core Size HQ

Lat

56.67

Long

	Depth (ft)	Decementary	Su	b-Dept	h (ft)	0.1.1.4	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
25.0	64.5	39.5	[GLACIAL TILL] Medium grey sandy shale with small pebble and gravel inclusions. MOHS 1-2.	33.0	40.0	7.0	Mild iron staining.	26.5' - 32.25' : LOST CORE 44.2' - 53.0' : LOST CORE 53.75' - 63.0' : LOST CORE
64.5	90.6	26.1	[IRON SANDS] Brown-grey, oolitic, rusted iron sands. Loosely to moderately consolidated. MOHS 0.5-2.	78.0	78.5	0.5	Thin gravel layer.	65.0' - 77.0' :- LOST CORE
				88.0	90.6	2.6	[TRANSITION ZONE] Mildly oolitic iron sands mixed with shale.	
90.6	128.0	37.4	[SHALE] Medium grey shale. MOHS 1-2.	90.6	101.5	10.9	Shale with minor iron and sulfur staining.	91.7' - 94.0' : LOST CORE 98.0' - 98.5' : LOST CORE
			101.5	122.5	21.0	Silty shale with oily scent.	103.0' - 104.8' : LOST CORE 108.0' - 111.3' : LOST CORE	
				122.5	128.0	5.5	Shale with sulfur staining and intermittent pyrite crystals.	- 12.5/6/6
				1				



Hole ID

SW-25

Project South Whitemud River

Date Logged 2012/02/23

Logged By Andrew Reader

Collar

794.11

Total Depth

763.0

Core Size HQ

Lat 56.64

Long

	epth (f	ft)	Description	Su	b-Dept	h (ft)	Sub-Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
57.0	81.8	24.8	[GLACIAL TILL] Medium grey, primarily homogeneous shales/clays. Various pebbles and cobbles throughout. MOHS 2.	57.0	60.0	3.0	Darker grey glacial till with abundant pebbles.	
				60.0	62.0	2.0	No recoveries - washout.	60.0' - 62.0' : LOST CORE
				62.0	67.0	5.0	Medium grey homogeneous glacial till.	Cobbles at 62.75' depth
				67.0	72.0	5.0	No recoveries - washout.	67.0' - 72.0' : LOST CORE
				72.0	77.0	5.0	Medium grey homogeneous glacial till.	Oily at 76.75' depth.
			77.0	81.3	4.3	No recoveries - washout.	77.0' - 81.3' : LOST CORE	
				81.3	81.8	0.5	Medium grey glacial till with abundant pebbles.	
81.8	87.5	5.8	[IRONSTONE] Oolitic ironstone unit. Primarily densely oolitic ironstone. Fairly competent. MOHS 4-5.	85.3	85.8	0.5	Rubbly oolitic ironstone.	
				85.8	87.4	1.7	No recoveries - washout.	85.8' - 87.4' : LOST CORE
				87.4	87.5	0.1	Oolitic ironstone.	
87.5	102.0	14.5	[SHALE] Medium grey and homogeneous shale unit. Some sandier sections/areas. Some pyrite throughout. MOHS 2.	87.5	88.0	0.5	Sandy shale.	
				88.0	102.0	14.0	Shale.	



Hole ID

SW-26

Project South Whitemud River

760.9

Date Logged 2012/02/23

Logged By Quinn Brown

Collar

799.66

Total Depth

Core Size HQ

Lat

56.64

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-lateral Description	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
82.0	99.5	17.5	[SHALE] Medium grey shale with small chunks of gravel/boulders situated on top of unit. MOHS 1-2.	88.3	88.4	0.1	0.5" layer of few small pebbles and/or shell fragments.	
				92.3	92.4	0.1	Small pyrite inclusions.	
99.5	105.3	5.8	[TRANSITION ZONE] Moderate to densely oolitic shaley ironstone. Dark grey/green and brown in cofor. MOHS 2-4.	100.5	100.8	0.3	Ironstone inclusions surrounded by shaley ironstone.	
				102.0	105.3	3.3	Small voids concentrated in layers/groupings. Numerous small pebbles and areas with thin brown layers.	
105.3	116.8	11.5	[IRONSTONE] Dark grey/green densely oolitic ironstone unit. MOHS 4-5.	106.0	107.0	1.0	Abundant clear/milky layers and inclusions with numerous small pebbles.	
			107.0	112.0	5.0	Numerous small pebbles.		
				111.5	114.0	2.5	Small voids concentrated in layers/groupings. Thin brown layers on edges of voids.	112.0' - 113.5' : LOST CORE
				114.0	115.0	1.0	Moderate amounts of clear/milky layers and inclusions with small voids concentrated in layers/groupings. Thin brown layers on edges of voids.	
				115.0	115.5	0.5	Densely oolitic ironstone starting to get shaley. Moderate amounts of clear/milky layers and inclusions with small voids concentrated in layers/groupings. Thin brown layers on edges of voids. MOHS 2-3.	
				115.5	115.8	0.3	Chunky broken core with open spaces	
				115.8	116.8	1.0	Densely oolitic ironstone starting to get shaley with small voids and moderate amounts of clear/milky layers and inclusions. MOHS 2-3.	Ye -
116.8	127.0	10.3	[SHALE] Medium grey shale with small chunks of ironstone at the top of the interval. MOHS 1-2.	117.0	118.7	1.7	Minor amounts of small pyrite inclusions.	119.25' - 119.30' : Light grey pebble ~ 1" in size
				120.7	121.5	0.8	Chunky fragmented boulder. Light grey in color. Small pieces of red/brown glassy material.	



Hole ID

SW-27

Project South Whitemud River

Date Logged 2012/02/24

Logged By Andrew Reader

Collar

802.61

Total Depth

759.3

Core Size HQ

Lat

56.64

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub-Interval Description	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
117.0	132.0	15.0	[IRONSTONE] Ooidal ironstone unit. Green-brown in color and homogeneous. Ranges from sparsely to densely oolitic. MOHS 4.	117.0	119.5	2.5	[TRANSITION ZONE] Grades from shale at the top into moderately oolitic ironstone at the bottom. Browny color. MOHS 2.5.	
				119.5	129.0	9.5	Densely oolitic ironstone. Dark green-brown in color. Abundant ooids throughout. MOHS 4.	
				129.0	129.7	0.7	[TRANSITION ZONE] Moderately to sparsely oolitic ironstone grading into more of a lithic sandstone towards the bottom.	Shells recovered around ~129.7' depth.
				129.7	131.2	1.5	No recoveries - washout.	129.7' - 131.2' : LOST CORE
				131.2	132.0	0.8	[TRANSITION ZONE] As above: Moderately to sparsely oolitic ironstone grading into more of a lithic sandstone towards the bottom.	
132.0	142.0	10.0	[MIXED SANDS & SHALES] Medium grey shale unit with varying amounts of sand present. Fairly homogeneous. Oil throughout. MOHS 2.	132.0	133.5	1.5	Poorly sorted sandy clay/shale unit with lots of oil.	
				133.5	136.0	2.5	No recoveries.	133.5' - 136.0' : LOST CORE
				136.0	142.0	6.0	As above: Poorly sorted sandy clay/shale unit with lots of oil. Medium grey in color and very homogeneous. Sandy shale unit grades to just shale at the bottom (i.e. 142' depth). Sandy clasts noted at 136' depth.	Sandy clasts at 136' depth



Hole ID SW-28

Project South Whitemud River

Date Logged 2012/02/23

Logged By Liam Murphy

Collar

792.78

Total Depth

762.6

Core Size HQ

Lat

56.63

Long

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Interval Decements	
From	То	Interval	- Description -	From	То	Interval	Sub-Interval Description	Remarks
59.0	73.4	14.4	[GLACIAL TILL] Dark grey clay/shale unit; homogeneous and weak/soft with organic matter (?); boulders and gravels present with very poor recovery over a large interval (59.0'-63.5' glacial till recovered). MOHS 1.	63.5	73.4	9.9	[GRAVELS] Quartzite and metamorphic gravels and boulders present. 1.4' gravels/boulders recovered at 63.5', 68.8' and 72.5' depth. Ironstone boulder found at 72.5' depth (5 cm across - densely oolitic ironstone). MOHS 6-7.	64.0' - 68.8' : LOST CORE 69.0' - 72.5' : LOST CORE
73.4	84.0	10.6	[IRONSTONE] Orange-brown-green oolitic ironstone/sandstone unit; moderately to densely oolitic; varying argillaceous content and matrix content; rusted Fe color; Less resistive in some areas; sandy; MOHS 3.	73.4	74.0	0.6	Sandy broken up and weak ironstone.	- abundant clear crystals (gypsum?)
			content; rusted Fe color; Less resistive in some areas; sandy; MOHS 3.	74.0	77.2	3.2	Lost core.	74.0' - 77.2' : LOST CORE
				77.2	79.2	2.0	Densely oolitic ironstone; very sandy and weak rusted iron interval; some areas with larger more cemented iron chunks.	
				79.2	82.0	2.8	More resistive and rusted densely oolitic ironstone/sandstone. MOHS 3.5.	
				82.0	84.0	2.0	Very massive densely oolitic ironstone. Sandy but more resistive.	
84.0	87.0	3.0	No recovery					84.0' - 87.0' : LOST CORI
87.0	87.5	0.5	Rusted pebbles ~3 cm in diameter. Possibly oolitic.					
87.5	97.8	10.3	[SHALE] Medium grey homogeneous and massive silty shale unit. Sulfides present (framboidal pyrite); some bioturbation visible. MOHS 2-3.	87.8	89.0	1.3	Very oily and sandy shale transition unit. Dark grey in color. Massive structure. MOHS 3.	- Light grey hard shale nodule or hard caps with white fractures present at 90.7'-91.0 and 94.7'-94.8' depth
- 1								- Large 3 cm framboidal pyrit crystal at 93.2' depth
97.8	99.0	1.3	No recovery					97.8' - 99.0' : LOST COR



Hole ID

SW-29

Project South Whitemud River

Date Logged 2012/02/23

Logged By Andrew Reader

Collar

790.66

Total Depth

759.6

Core Size HQ

Lat

56.63

Long

1	Depth (ft)	Description	Su	b-Dept	h (ft)	Cub Interval December	
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
57.0	67.0	10.0	[SHALE] Medium grey homogeneous shale unit. Some slight iron staining visible. Some sandy shale.	57.0	58.0	1.0	Sandy shale unit. Medium grey in color with some coarse sand present.	
				62.8	62.9	0.1	Shells present.	
				66.0	67.0	1.0	Iron staining in shale.	
67.0	68.5	1.5	No recoveries - washout (ironstone?)					67.0' - 68.5' : LOST CORE
68.5	86.5	18.0	[IRONSTONE] Ooidal ironstone unit. Brown-orange in color. Moderate to high argillaceous content. Clay content increases gradually with depth. MOHS 4.	68.5	72.0	3.5	Moderately oolitic ironstone. High argillaceous content and somewhat crumbly. MOHS 3.	
		*	MOHS 4.	72.0	75.0	3.0	No recoveries - washout.	72.0' - 75.0' : LOST CORE
				75.0	80.0	5.0	Densely oolitic ironstone. Crumbly ironstone unit with high ooid content. Browny-orange in color. MOHS 4.	
				80.0	84.5	4.5	No recoveries - washout.	80.0' - 84.5' : LOST CORE
				84.5	86.5	2.0	[TRANSITION] Moderately colitic ironstone grading downwards into shale. MOHS 2.5-3.	
86.5	102.0	15.5	[SHALE] Medium grey homogeneous shale unit. Some iron staining visible. Some minor ooid content. MOHS 2.	97.5	97.8	0.3	[IRONSTONE] Moderately oolitic ironstone. Some Fe-bearing ooids in shale.	
							Water and the	



Hole ID

SW-30

Project South Whitemud River

Date Logged 2012/02/23

Logged By Liam Murphy

Collar

799.02

Total Depth

758.8

Core Size HQ

Lat

56.63

Long -118.44

	Depth (ft)	Description	Su	b-Dept	h (ft)	Sub Interval Decement	The state of the s
From	То	Interval	Description	From	То	Interval	Sub-Interval Description	Remarks
77.0	105.2	28.2	[SHALE] Medium grey, homogeneous and massive shale unit. No inclusions present. Very sharp lower contact with iron sediments. MOHS 1.5-3.					
105.2	121.3	16.1	[IRONSTONE] Rusty brown/green colored oolitic sandstone unit. Very rusted and oxidized in appearance. Clay content increases with depth. Some interbedded clay layers present. MOHS 2-4.	105.2	108.2	3.0	Very rusty and sandy unit with moderate amount of ooids. Decreasing clay content with depth. Some ooid clasts are visible. MOHS 2-3.	
			interbedded clay layers present. MOHS 2-4.	108.2	112.0	3.8	Densely oolitic ironstone. Very rusty and sandy. Less resistive and weathered. MOHS 3-4.	
				112.0	114.6	2.6	No recovery.	112.0' - 114.6' : LOST CORE
				114.6	117.0	2.4	Densely oolitic ironstone. Resistive. MOHS 4-5.	
				117.0	117.8	0.8	No recovery.	117.0' - 117.8' : LOST CORE
				117.8	118.0	0.2	Rounded ironstone pebbles. Largest ironstone pebble is roughly 6 cm in diameter (across).	
				118.0	120.5	2.5	Oolitic sandstone with increasing clay content with depth. Clay and sand interbedded with more resistive iron sand layers (beds ~ 2cm thick)	
121.3	122.9	1.6	[SANDY SHALE] Dark grey to black sandy shale unit. Very resistive. Some minor oolds present. This unit appears similar to other "transition zones". Gradual increase in clay content with depth. Gradual contact with lower shale unit. MOHS 4.	120.5	121.3	0.8	Bleached ironstone/sandstone unit. Increasing clay, shale and sand content with depth. Decreasing iron content with depth. Sharp underlying contact with hard shale cap.	
122.9	132.0	9.1	[SHALE] Homogeneous and massive shale unit with some minor sulfides (pyrite) present. No pebble inclusions visible.					



2012 South Whitemud Drilling Program

Geochemistry Sample Logs



		7) L	~					
			0				_			
_										

Program Name:

2012 Clear Hills Drilling Program

Project Area:

	Sam Top m		WRA Base Fe		Thickness Fe		
		Sam Bot m	Sample No.	Albana Co.	Bulk Den No		Note
109.9		_ 34.00	01				C
	34.00	34.50	02				C
	34.50	35.00	03				IR
	35.00	- 35.50	04				IR
	35.50	36.00	05		05B		IR
	36.00	36.50	06		002		IR
	36.50	37.00	07				IR
	37.00	- 37.50	08				IR
	37.50	38.00	09		09B		IR
	38.00	38.50	10				IR
	38.50	- 39.00	11				IR
	39.00	- 39.50	12				IR
	39.50	40.00	13		13B		IR
	40.00	40.50	14				LC
		-	15	GIOP-104			-
	40.50	_ 41.00	16				IR
	41.00	41.50	17				LC
	41.50	42.00	18				LC
	42.00	- 42.50	19				IR/L
	42.50	42.80	20				IR
	42.80	43.30	21				С
	43.30	43.80	22			22D	С
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		_					
		-					
		-					
		-					
		-					
		-					
mpling I	Notes IR=Iro	n NS=Not Sar	mpled LC=Lost Co	re C=Clay	SH=Shale M=Mud	Istone CG=Con	glomera
	The second second				2000	The state of the s	70.00
Compos	ite Samples	19	# Bulk	Samples 3		# Duplicate Samp	oles 1
	Simoneau		1		Liam Murphy		_



Program Name:

2012 Clear Hills Drilling Program

Project Area:

Sam Top m	30.0		27.0	Thistoness F	7.2
Sam Top m		WRA Base Fe	37.9	Thickness Fe	
	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.
30.63	_ 31.13	01		01B	
31.13	31.63	02			
31.03	32.13	03			03D
				07D	
				0/6	
				15B	
27.07	20.27				
38.37	38.87	17			
38.87	39.37	18			
	- 4	19	GIOP-104		
	_				
	-				
1	-				
	-				
	-				
	-				
	-				
	_				
	-			1	
	-				
	-				
	32.13 32.63 33.13 33.63 34.13 34.63 35.13 35.63 36.13 37.13 37.63 37.87 38.37 38.87	32.13 32.63 32.63 33.13 33.13 33.63 33.63 34.13 34.63 35.13 35.63 35.63 36.63 37.13 37.63 37.63 37.87 38.87 38.87 39.37	32.13 - 32.63 04 32.63 33.13 05 33.13 33.63 06 33.63 06 07 34.13 07 34.63 08 35.13 09 35.63 10 36.63 12 36.63 12 37.13 37.63 37.87 15 38.37 38.87 38.87 17 38.87 19	32.13 32.63 32.63 33.13 33.63 33.63 33.63 34.13 34.63 35.13 35.63 35.13 35.63 36.13 36.63 37.13 37.63 37.87 38.87 38.87 39.37 38.87 39.37 GIOP-104	32.13 32.63 32.63 33.13 33.63 33.13 33.63 33.13 35.63 34.13 35.63 35.13 35.63 35.63 35.63 37.13 37.63 37.87 38.87 38.87 39.37 18 GIOP-104



Program Name:

2012 Clear Hills Drilling Program

Project Area:

	p Fe	28.	.1	WRA Base Fe	32.5	Thickness Fe	4.4	
op (ft)	Sam Top m		Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
89.0	27.13	_	27.63	01				C
00.0	27.63	-	28.13	02				C
	28.13	-	28.53	03		03B		IF
	28.53	-	29.03	04				IR+
	29.03	-	29.53	05				L
	29.53	-	30.03	06				IF
			0.00	07	GIOP-104			-
	30.03	-	30.53	08			08D	IF
	30.53	-	31.03	09		09B		IF
	31.03	-	31.53	10				IF
	31.53		32.03	11				IR+
	32.03	-	32.53	12				L
	32.53	-	33.03	13		440		IF
	33.03 33.22	_	33.22 33.72	14 15		14B		IF
	33.72		34.22	16				C+s
	34.22	-	34.72	17				C+s
	34.22	-	34.72	- 17				CTS
								-
		-						-
		-						
		_	-					
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						



Hole N	o	4		Hole I	D	SW-0)4		Collar	785.4	4	
RA Top F	е	0.0		WRA	A Base Fe	2 3	0.0	Thic	kness Fe		0.0	
p (ft) Sa	m Top m	Sar	n Bot m		ple No.	Star	ndard No	Bulk	Den No	Duplic	ate No.	N
	-			NO S	AMPLES							F
		-										ļ
												-
												F
		- 🗀					15.50					İ
		-										+
		-										F
- 1										1-		
		-			- 6							-
												-
		-										-
		-										F
												t
												-
												F
		-										-
		-										F
11/2									-		- 1	-
												-
		-										-
		-										F
		-										-
pling Note	es IR=Iron	NS	=Not Sam	pled	LC=Lost C	ore	C=Clay	SH=Shale	M=Mu	dstone	CG=Con	glor

Dennis Simoneau

Core Cutting Technician

Liam Murphy

Core Sampling Supervisor



	ш	-	J		SI.	1	7	K	5
				0					
_									

Program Name: 2012 Clear Hills Drilling Program **Project Area:**

Fe				54.0	Thickness Fe	
42.98 43.48			Sample No.	Standard No	Bulk Den No	
43.48		43.48	01			
		43.98	02			
43.98	-	44.29	03		1	
44.29	-	44.79	04			
44.79		45.29	05			
			06			
45.45	-	45.95	07		07B	
45.95	- [46.45	08			
46.45	_ [
46.95						
	- [
	-				4	ALTERNATION IN
	-				13B	The state of the s
						14D
49.45	-	49.95				
40.05	-	70.47		GIOP-104		
	-					
	-					
	- 1					
	_					
	1				24B	
	- 1				210	
00.00	- 1			GIOP-104		
54.45	- 1	54.95				27D
54.95	-	55.45	28			
	-					
	-					
	-					13.00
	45.29 45.45 45.95 46.45 47.45 47.95 48.45 49.95 50.45 50.95 51.45 51.95 52.45 52.95 53.45 53.95	45.29 45.45 45.95 46.45 46.95 47.45 47.95 48.45 48.95 49.45 	45.29 45.45 45.45 45.45 46.45 46.45 46.45 46.95 47.45 47.45 47.45 48.45 48.45 48.95 49.45 49.45 50.45 50.45 51.45 51.45 51.95 52.45 52.45 53.45 53.45 53.95 54.45	45.29 45.45 06 45.45 45.95 07 45.95 46.45 08 46.45 46.95 09 46.95 47.45 10 47.45 47.95 11 47.95 48.45 12 48.45 48.95 13 48.95 49.45 14 49.45 14 49.95 50.45 50.95 15 50.45 50.95 18 50.95 51.45 19 51.45 51.95 20 51.95 52.45 21 52.45 52.95 22 53.95 53.45 23 53.95 54.45 25 54.95 55.45 27 54.95 55.45 28	45.29 45.45 06 45.45 45.95 07 45.95 46.45 08 46.45 46.95 09 46.95 47.45 10 47.45 47.95 11 47.95 48.45 12 48.45 48.95 13 48.95 49.45 14 49.95 15 6 50.45 17 6 50.95 18 6 51.45 19 6 51.45 19 6 51.45 20 6 51.45 21 6 52.45 52.95 22 52.95 53.45 23 53.95 24 25 54.45 25 6 54.95 27 54.95 27 54.95 28	45.29 45.45 06 45.95 45.95 07 45.95 46.45 08 46.45 46.95 09 46.95 47.45 10 47.95 48.45 12 48.45 48.95 13 48.95 49.45 14 49.95 15 GiOP-104 49.95 18 50.45 50.45 50.95 18 50.95 51.45 19 51.45 51.95 20 52.45 52.95 22 52.95 53.45 23 53.95 54.45 25 54.95 27 54.95 54.95 27 54.95 27 54.95 27 54.95 28



II		K	12	ગ		X	K	3
R	\in	5	0	U	R	C	\in	5

Program Name:

2012 Clear Hills Drilling Program

Project Area:

DA T	n Fo	40.9	_		SW-06		70	
					The state of the s	Thickness Fe		
o (ft)	Sam Top m				Standard No	Bulk Den No		No
0.6	39.80		0.30	01			01D	
	40.30		0.80	02				
	40.80	4	1.30	03		03B		L
	41.30		1.80	04				L
	41.80		2.30	05				-
	42.30		2.80	06				L
	42.80	4.	3.30	07		-		-
	43.30		3.80	08		08B		
	43.80		4.30	09				-
	44.30		4.80	10				-
	44.80		5.30	11				-
	45.30		5.80	12		42D		\vdash
	45.80		6.30	13 14		13B		-
	46.30		6.80	15				\vdash
	46.80 47.30	4.	7.30 7.80	16				-
	47.80		3.30	17				-
	48.30		3.60	18				\vdash
	48.60		9.10	19	-			T
	49.10		9.60	20				Ť
	49.60		0.10	21				+
	50.10		0.60	22				-
	00.10	-		23	GIOP-104			
					0.0.			
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						-
		-	-					-
	Notes IR=Iro		Not Sam		ore C=Clay	SH=Shale M=Mud	Istone CG=Congl	lom
	ioderatery 5	carsery 0	Ontio II O	113.0116				
mpos	ite Samples	23		# Bull	Samples 3		# Duplicate Sample	es



ш	-			21	1		1		
R	\in	5	0	U	R	C	E	5	

Program Name:

2012 Clear Hills Drilling Program

Project Area:

op m 00	28.50 29.00 29.50 30.00 30.50 31.00 31.50 32.00 32.50	01 02 03 04 05 06 07	Standard No	Bulk Den No 05B 07B	Duplicate No.
50 50 50 50 50 50 50 - - 50 - - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - - 50 - - 50 - - 50 - 50 - 50 - - 50 - 50 - 50 - 50 - 50 - 50	29.00 29.50 30.00 30.50 31.00 31.50 32.00 32.50	02 03 04 05 06 07			
50 50 50 50 50 50 50	29.50 30.00 30.50 31.00 31.50 32.00 32.50	03 04 05 06 07			
50 - 50 - 50 - 50 - 50 - 50 -	30.00 30.50 31.00 31.50 32.00 32.50	04 05 06 07 08			
50 - 50 - 50 - 50 - 50 -	30.50 31.00 31.50 32.00 32.50	05 06 07 08			
50 50 50 - 50 - 50 -	31.00 31.50 32.00 32.50	06 07 08			
00 - 50 - 00 - 50 -	31.50 32.00 32.50	07 08		07B	
50 - 00 - 50 -	32.00 32.50	08		07B	
00 50 00 -	32.50				
50		00		200	
00 -		09		09B	
	33.00	10			
	33.30	11			
70	33.70 34.20	12 13			
20 -	34.40	14			
				16B	
				100	
					18D
					100
					7
	40.50	27			
50	40.70	28			
70	41.20	29			
20 -	41.70	30			
-		31	GIOP-104		
-					
	40	40 - 34.90 - 35.40 40 - 35.90 - 36.30 - 36.80 - 37.30 - 38.30 - 38.30 - 38.80 - 39.30 - 39.30 - 39.30 - 39.80 - 40.30 - 40.50 - 40.70 - 41.20	40 - 34.90 15 30 - 35.40 16 35.90 - 17 30 - 36.80 19 30 - 36.80 20 30 - 37.30 20 30 - 38.30 21 30 - 38.80 23 30 - 39.30 24 30 - 40.30 26 30 - 40.50 27 40.70 28 29 41.20 29 - 41.70 30 - 31	40 - 34.90 15 30 - 35.40 16 35.90 - 17 36.30 - 18 30 - 36.80 19 30 - 37.80 21 30 - 38.80 23 30 - 38.80 23 30 - 39.80 25 30 - 40.30 26 30 - 40.50 27 40.70 - 28 70 - 41.20 29 20 - 41.70 30 GIOP-104	34.90



Dennis Simoneau

Core Cutting Technician

Geochemistry Sample Log

Quinn Brown

Core Sampling Supervisor

Н	ole No.	8	Hole ID	SW-08	Collar	785.40
RA T	op Fe	0.0	WRA Base Fe	0.0	Thickness Fe	0.0
p (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.
0.0		-	NO SAMPLES			
		-				
		-		1.12		
		-				
		-				
		-				
		-				
		-				
		-				
				FC		
		-				
		-			10 10 10 10	
		-				
		-				
		-				
		-				
		-				
		-				
	Notes IR=Iron	NS=Not San	npled LC=Lost C	ore C=Clay	SH=Shale M=Mud	stone CG=Conglo



					_			
R	E	S	0	U	R	C	E	5

Program Name:

2012 Clear Hills Drilling Program

Project Area:

	WRA Top Fe 34.9		^	WRA Base Fe 43.9			0.0	
Top (ft)		34	.9	WRA Base Fe	43.9	Thickness Fe	9.0	
- P ()	Sam Top m		Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	No
111.3	33.90	-	34.40	01				
	34.40	-	34.90	02				
	34.90		35.40	03				
	35.40	-	35.90	04				
	35.90	-	36.40	05		05B		
	36.40	2	36.90	06				
	36.90		37.40	07				
	37.40	-	37.90	08				
	37.90	-	38.40	09				
	38.40		38.90	10				
	38.90	-	39.40	11				
	39.40	-	39.90	12		100		
	39.90	-	40.40	13		13B		
	40.40		40.90	14				
	40.90	-	41.40	15				
	41.40	-	41.90	16				
	41.90	-	42.40	17				
	42.40		42.90	18				
	42.90		43.40	19				
	43.40	-	43.90	20		0.15		
	43.90	_	44.40	21		21B		
	44.40		44.90	22				
	44.90	-	45.40	23				
	45.40	-	45.50	24			050	
	45.50	-	46.00	25			25D	
	46.00		46.50	26	CIOD 404			
		-		27	GIOP-104			-
		-						
		_						\vdash
								-
		-						\vdash
		-						\vdash
		_						
		-						
		-			_			
		-	7.1					
		-						
mpling	Notes IR=Iro	n	NS=Not Sam	pled LC=Lost Co	ore C=Clay	SH=Shale M=Mud	stone CG=Congl	ome
9		-					otono o o onig.	-
Compos	ite Samples	26		# Bulk	Samples 3		# Duplicate Sample	es
	-	_		5411				-
	Simoneau					Quinn Brown		
nnis	Simoneau					Quilli brown		



Program Name:

2012 Clear Hills Drilling Program

Project Area:

	p Fe	42	.1	WRA Base Fe	51.3	Thickness Fe	9.2	
op (ft)	Sam Top m		Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
34.5	41.10	_	41.60	01				C
04.0	41.60		42.10	02				C
	42.10	-	42.60	03				IR
	42.60	-	43.10	04				LC
	43.10	-	43.60	05				IR
- 13	43.60		44.10	06				IR
	44.10	-	44.60	07		07B		IR
	44.60	-	45.10	08				IR
	45.10	-	45.60	09			111111111111111111111111111111111111111	IR
	45.60		46.10	10				LC
	46.10	-	46.30	11				LC
	46.30	-	46.80	12				С
1	46.80	-	47.30	13				C
	47.30	12	47.80	14				C
	47.80	-	48.30	15				IR
	48.30	-	48.80	16 17		470		IR
	48.80 49.30	-	49.30 49.80	18		17B		IR IR
	49.80		50.30	19				IR
	50.30		50.80	20				IR
	50.80	-	51.30	21				IR
	51.30	-	51.80	22				IR
	51.80	-	52.30	23				IR
	52.30		52.80	24				IR
	52.80	-	53.30	25		25B		IR
	53.30	-	53.80	26		200		IR
	53.80	_	54.10	27				IR
	54.10		54.60	28			28D	C
	54.60	-	55.10	29		1		C
		-		30	GIOP-104			
		-						
		-				,		-
	100	-						
								1 -
		-						
		-						
		-						
L								
		-						



RESOURCES		ш	-	4			$\overline{}$	44		
	F	3	E	5	0	U	R	C	E	5

Program Name:

2012 Clear Hills D				South Whitemud		
Hole No.	11	Hole ID	SW-11	Collar	808.13	
WRA Top Fe	49.9	WRA Base Fe	57.0	Thickness Fe	7.1	
Top (ft) Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No		Note II
158.7 48.40	48.90	01			01D	С
48.90	49.40	02				С
49.40	49.90	03				LC
49.90	- 50.40	04 05				LC/IRE
50.40 50.90	- 50.90 51.40	06				IRR/LC
51.40	- 51.90	07		07B		IRR/IF
51.90	- 52.40	08		0,0		IR
52.40	52.90	09				IR
52.90	53.40	10				IR
	-	11	GIOP-104			-
53.40	- 53.90	12				IR
53.90	54.40	13		13B		IR
54.40	54.90	14				IR
54.90	- 55.40	15				IR
55.40	_ 55.90	16				IR
55.90	56.40	17		400		IR
56.40 56.90	56.90 - 57.00	18 19		18B		IR IR
56.90		19				IK
	-					
	-					
TO THE PROPERTY OF	-					
					- 18.00	-
	-				1 2 2 2 1 1	
	-					
Maria Maria	- 1					
The state of the s						
	-					
	-					
	-					
	-					
2000	-					
	-					
	-					29.70
Sampling Notes IR=Iron		pled LC=Lost Co	ore C=Clay	SH=Shale M=Mud	Istone CG=Con	glomerate
Ended hole in iron inte		ring shales recover	red)	43.1	1967	
# Composite Samples _	18	# Bulk	Samples 3		# Duplicate Sam	ples 1
Dennis Simoneau				Liam Murphy		
Core Cutting Technician				Core Sampling S	upervisor	



Program Name	:		
2012 Clear	Hills	Drilling	Program

m Top m 46.20 46.70 47.20 47.70 48.20	Sam Bot m 46.70 47.20 47.70	WRA Base Fe Sample No. 01 02 03 04		Bulk Den No	The state of the s	Not
46.20 46.70 47.20 47.70 48.20	46.70 47.20 47.70 48.20	01 02 03	Standard No	Bulk Den No	Duplicate No.	
46.70 47.20 47.70 48.20	47.20 47.70 48.20	02 03			2018	
47.20 47.70 48.20	47.70 48.20	03				
47.70 48.20	48.20					(
48.20		04				II
	18 70					II
		05		05B		II
48.70	49.20	06				II
49.20	49.70	07				II
						H
						II
				10B		11
31.20						I
						- 1
						- 1
52.70	53.20					1
00.20				15B		- 1
						1
54.20						9
54.70	55.20					1
						1
55.30	55.80				20D	
55.80	56.30					
-		22	GIOP-104			
-		23	GIOP-104			
-						
-						
-						
-						
-						
_	1 (2.2)					
-						
-						
	50.20 50.70 51.20 51.70 52.20 52.70 53.20 53.70 54.20 55.20 55.30 55.80	50.20 - 50.70 50.70 - 51.20 51.20 - 51.70 51.70 - 52.20 52.70 - 53.20 53.70 - 54.20 54.20 - 54.70 55.20 - 55.30 55.30 - 55.80 55.80 - - - - - </td <td>50.20 - 50.70 09 50.70 - 51.20 10 51.20 - 51.70 11 51.70 - 52.20 12 52.20 - 53.20 14 53.20 - 53.70 15 53.70 - 54.20 16 54.20 - 17 - 54.70 - 55.20 18 55.20 - 55.30 19 55.80 - 20 55.80 21 - - 22 - - 23 -</td> <td>50.20 50.70 09 51.20 10 51.20 11 51.70 11 52.20 12 52.20 13 52.70 13 53.20 14 53.20 15 53.70 15 53.70 15 54.20 16 54.70 17 55.20 18 55.20 55.80 55.80 20 55.80 21 22 GIOP-104 GIOP-104</td> <td>50.20 50.70 09 10 10B 51.20 51.70 11 51.70 551.70 11 551.70 551.70 12 552.70 13 552.70 13 552.70 13 552.70 15 15B 15B</td> <td>50.20 50.70 51.20 51.20 51.70 51.70 51.70 51.70 51.70 52.70 52.70 53.20 53.20 53.70 54.70 55.20 55.20 55.20 55.20 55.30 55.80 55.80 56.30</td>	50.20 - 50.70 09 50.70 - 51.20 10 51.20 - 51.70 11 51.70 - 52.20 12 52.20 - 53.20 14 53.20 - 53.70 15 53.70 - 54.20 16 54.20 - 17 - 54.70 - 55.20 18 55.20 - 55.30 19 55.80 - 20 55.80 21 - - 22 - - 23 -	50.20 50.70 09 51.20 10 51.20 11 51.70 11 52.20 12 52.20 13 52.70 13 53.20 14 53.20 15 53.70 15 53.70 15 54.20 16 54.70 17 55.20 18 55.20 55.80 55.80 20 55.80 21 22 GIOP-104 GIOP-104	50.20 50.70 09 10 10B 51.20 51.70 11 51.70 551.70 11 551.70 551.70 12 552.70 13 552.70 13 552.70 13 552.70 15 15B	50.20 50.70 51.20 51.20 51.70 51.70 51.70 51.70 51.70 52.70 52.70 53.20 53.20 53.70 54.70 55.20 55.20 55.20 55.20 55.30 55.80 55.80 56.30



)	Progra	m Name	:		
1	2012	Clear	Hills	Drilling	Program

Hole No.	13	Hole ID	SW-13	Collar	797.01	
RA Top Fe	44.1	WRA Base Fe	47.3	Thickness Fe	3.2	
p (ft) Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	N
88.0 42.10	_ 42.60	01				
42.60	43.10	02				
43.10	43.60	03				
43.60	- 44.10	04		04B		
44.10	_ 44.60	05				
44.60	45.10	06				
45.10	45.60	07				L
45.60	- 46.10	08				L
46.10	46.60	09				L
46.60	47.10	10		10B		L
47.10	47.30	11				L
47.30	- 47.80	12			12D	L
47.80	48.30	13				L
		14	GIOP-104		100	L
	-					H
	-					H
	-					L
						H
	-					L
	-					L
	-					L
						L
	-					L
No.	-					L
	-					
						L
	-					H
	-					H
	-					H
						H
	-				11	H
	-					H
	-					H
						H
	-					-
	-					-
	-					
						-
	-					
	-					_
pling Notes IR=Iro	n NS=Not Sam	pled LC=Lost Co	ore C=Clay	SH=Shale M=Mud	stone CG=Congle	on
www.saita SI	14	# P	Samulas 2		# Dunlingto Commit	
mposite Samples _	14	# Bulk	Samples 2		# Duplicate Sample	S
nis Simoneau		1		Quinn Brown	_	



Hole No.	14	Hole	ID	SW-14	Colla	r 782.	15
VRA Top Fe	0.0	WR	A Base Fe	0.0	Thicknes	ss Fe	0.0
op (ft) Sam Top m	Sam Bo		mple No.	Standard No	Bulk Den	No Dupl	icate No.
0.0		NO:	SAMPLES				
	-						
	-				1 103		
	-		15.00				
	-						
	-						
V M	-		71.00				
	-						1
	-						
	-						
	-						
	-						
	-						
	-						9
NY CLAS	-						
	-						



H	6	2	0	U	H	-	E	2	

Program Name:

	5	Hole ID	011-10	Collar	700.00	
32.	6	WRA Base Fe	39.1	Thickness Fe	6.5	
op m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Not
	33.10	01				
						1
0						- 1
				04B		1
						I
0						I
				17.911		- 1
				09B		
						II
						I
					CALLE WHEN THE	
						- 1
				14B	At the American	I
						I
0 _						II
0						II
0 -		18				(
0 -	41.80				19D	
_		20				
		21	GIOP-104			
-						4
-						
			The second second			
-						
-						
	10 14 S					
-						
-						1
						-
						1
-						
1.3						
-						
-						
	60 - 60 - 60 - 60 - 60 - 60 - 60 - 60 -	33.10 33.60 33.60 34.10 34.60 35.10 35.60 36.10 36.60 37.10 37.60 38.60 39.10 39.60 40.10 40.60 40.80 41.30 41.80	33.10 01 33.60 02 33.60 02 34.10 03 00 - 34.60 30 - 35.10 00 - 36.60 30 - 36.60 30 - 36.60 30 - 36.60 30 - 37.60 30 - 38.60 30 - 38.60 30 - 39.10 30 - 40.10 30 - 40.60 40 - 40.80 30 - 41.30 41.80 19 20 21	33.10 33.60 33.60 33.410 00 33.60 00 34.60 00 35.10 00 35.60 00 35.60 00 00 35.60 00 00 36.60 00 00 37.10 00 37.60 01 00 38.60 01 00 38.60 01 00 38.60 01 00 38.60 01 00 39.60 01 14 00 00 40.60 01 00 40.80 17 00 41.30 18 00 - 41.80	33.10 33.60 33.40 33.60 34.10 00 34.60 00 35.60 00 35.60 00 36.10 00 36.60 00 37.10 00 37.60 01 38.60 01 39.60 11 00 39.60 14 10 00 40.10 15 00 41.30 17 10 19 10 20 GIOP-104 GIOP-104	33.10



RESOURCES	Geochemistry Sai
Program Name:	Project Area:

Но	le No.	16		Hole ID	SW-16	Collar	808.24	
WRA To	p Fe	45.9		WRA Base Fe	52.4	Thickness Fe	6.5	
op (ft)	Sam Top m	Sai	m Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
47.5	44.90		45.40	01				C+I
	45.40		45.90	02				IR
	45.90		46.40	03 04		040		IR
	46.40 46.90		46.90 47.40	05		04B		IR IR
- 4	47.40		47.90	06				IR
1	47.90		48.40	07				IR
	48.40		48.90	08			1 - 1 - 1 - 10	IR
	48.90		49.40	09		09B	7-411-11-2	IR
	49.40		49.90	10				IR
	49.90		50.40	11			5 11 5 11	IR
	50.40		50.90	12	1			IR
	50.90 51.40		51.40 51.90	13 14		14B		IR IR
	51.90		52.40	15		140		IR
	52.40		52.90	16				IR
	52.90		53.00	17				IR
	53.00		53.50	18				C
1000	53.50		54.00	19			19D	C
				20	GIOP-104			
19-1								
		-						
		-						
		-					7	
		-						1.0
			"					
		-						
		-						
	Section 1	-						
		-						
		-						
1 1		-					7	
mpling I	Notes IR=I	ron NS	S=Not Sam	pled LC=Lost C	ore C=Clay	SH=Shale M=Mud	Istone CG=Con	nglomer
	WE T						197	
		00.1			<u> </u>			
Composi	te Samples	20		# Bulk	Samples 3		# Duplicate Sam	ples
	Simoneau			1		Quinn Brown		



Program Name: 2012 Clear Hills Drilling Program **Project Area:**

	le No.		Hole ID			The state of the	1
VRA To	p Fe	40.0	WRA Base Fe	47.5	Thickness Fe	7.5	
op (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
28.0	39.00	_ 39.50	01				C
	39.50	40.00	02				С
	40.00	40.50	03				IR
	40.50	- 41.00	04		04B		IR
	41.00	41.50	05				IR
	41.50	42.00	06				IR
	42.00	42.50	07				IR
	42.50	- 43.00	08				IR IR
	43.00 43.50	- 43.50 44.00	09 10				IR
	44.00	- 44.50	11		11B		IR
	44.50	- 45.00	12		110		IR
	45.00	45.50	13				IR
	45.50	46.00	14				IR
	46.00	- 46.50	15				IF
	46.50	47.00	16			7 15 5 TO	IF
	47.00	47.50	17		17B		IF
	47.50	48.00	18				IF
	48.00	- 48.10	19				IF
	48.10	48.60	20			20D	C
	48.60	49.10	21				C
		-	22	GIOP-104			-
	7	-					
		_					
	(A.3)						
		-					
		-		37.45.50			-
		-					
							-
		-					
		-					
	7770	-					
		-					1
		-					
	170	3/4/1					
		-					_
mnling	Notes IR=Iro	n NS=Not Sa	mpled LC=Lost Co	re C=Clay	SH=Shale M=Mud	stone CG=Con	alome
mpinig	Notes III-II0	ii iio-iiot oa	impieu EG-EGST GG	no o-olay	on-onaic in-inia	310110 30-3011	giomei
Compae	ite Samples	22	# Rull	Samples 3		# Duplicate Samp	nles
	ite campies		# Duik	oumpies o		" Dupilicate Gain	oles
	Charles of the	The second secon					



Program	Name	:		
2012 C	loor	Lilla	Drilling	Drogra

Project Area:

Ho	le No.	18	Hole ID	SW-18	Collar	000.04	
WRA To	p Fe	42.1	WRA Base Fe	50.1	Thickness Fe	8.0	
Top (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Not
134.7	41.10	_ 41.60	01				
	41.60	42.10	02				
	42.10	42.60	03				I
	42.60	- 43.10	04		04B		I
	43.10	_ 43.60	05			and the same of th	11
	43.60	44.10	06				I
	44.10	44.60	07				I
	44.60	- 45.10	08				II
	45.10	45.60	09				I
	45.60	46.10	10		10B		I
	46.10	- 46.60	11				II
	46.60	- 47.10	12				i
	47.10	47.60	13				i
	47.60	48.10	14				Ti
	48.10	- 48.60	15				i
	48.60	40.40	16		16B		Ti
			17		100		H
	49.10	49.60					
	49.60	50.10	18				1
	50.10	- 50.60	19			-	!
	50.60	_ 50.90	20				
	50.90	51.40	21				
	51.40	51.90	22		1	22D	
		-	23	GIOP-104			
		-					
		-					
		-					
		-					
		-		40%			1
		-					
		-					
		-					
		-			/		
		-					
					1	CONTRACTOR OF STREET	
		-					
mpling	Notes IR=Iro	n NS=Not S	ampled LC=Lost C	ore C=Clay	SH=Shale M=Mud	stone CG=Cong	lome
						-	
Compos	ite Samples	23	# Bull	Samples 3		# Duplicate Sampl	es
	-		1		4		1
	Simoneau				Quinn Brown		



Но	ole No.	19	9	Hole ID	SW-19	Collar	788.06	
WRA To	op Fe	30.	.7	WRA Base Fe	37.2	Thickness Fe	6.5	
Top (ft)	Sam Top m		Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	N
94.0	28.70	_	29.20	01				Г
0 1.0	29.20		29.70	02				
	29.70	-	30.20	03				
	30.20	-	30.70	04				
	30.70	-	31.20	05				
	31.20		31.70	06				
	31.70	-	32.20	07				
	32.20	-	32.70	08				
	32.70	_	33.20	09				
	33.20		33.70	10				
	33.70	-	34.20	11				
	34.20	-	34.70	12		12B		
	34.70	-	35.20	13				
	35.20		35.70	14				
	35.70	-	36.20	15		15B		
	36.20	_	36.70	16				
	36.70		37.20	17				
	37.20	-	37.70	18				
	37.70	-	38.20	19				
	38.20	_	38.60	20				
	38.60		39.10	21			21D	
	39.10	-	39.60	22				
		-		23	GIOP-104			
		_						
		-						
		-						
		-	183					
		-					-	
		-						

Sampling Notes	IR=Iron	NS=Not Sampled	LC=Lost Core	C=Clay	SH=Shale	M=Mudstone	CG=Conglom	erate
# Composite Sar	mples 17		# Bulk San	nples 2		# Dup	licate Samples	1
Dennis Simo	neau				Quin	n Brown		

Core Cutting Technician

Core Sampling Supervisor



Program Name:

2012 Clear Hills Drilling Program

Project Area:

Ho	le No.	20A	Hole ID	SW-20A	Collar	785.74	
WRA To	p Fe	22.3	WRA Base Fe	28.8	Thickness Fe	6.5	
Top (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
73.3		22.80	01				IF
	22.80	23.30	02				IF
		23.80	03		03B		IF
	23.80	24.30	04				IF
	24.30	24.80	05				IF
	24.80	25.30	06				IF
	25.50	25.80	07				IF
	25.80	26.30	08		08B		IF
	26.30	26.80	09				IF
	26.80	27.30	10				IF
	27.30	27.80	11				IF
	27.80	28.30	12				IF
	28.30	28.80	13			HE LEAST	IF
	28.80	29.30	14				IF
	29.30	29.80	15		15B	15D	IF
	29.80	30.30	16				IF
	30.30	30.60	17				IF
		- 00.00	18	GIOP-104			
	30.60	31.10	19				(
	31.10	31.60	20				C
					The second secon		
							100
		-					
	Ci-						
						EVILLY STATE	
	-						
ampling	Notes IR=Iron	NS=Not Sam	pled LC=Lost Co	ore C=Clay	SH=Shale M=Mud	stone CG=Cor	glome
, ,							
Compos	ite Samples 2	0	# Bulk	Samples 3		# Duplicate Sam	ples
	Simoneau		1		Liam Murphy		-
	Simoneall						



Ho	ole No.	21	Hole ID	SW-21	Collar	779.55	
RA To	op Fe		WRA Base Fe	- 17/21	Thickness Fe	0.0	
p (ft)	Sam Top m	Sam Bot m		Standard No	Bulk Den No	Duplicate No.	No
0.0		-	NO SAMPLES				
							F
	THE CO.	- 11					
		-					
	1200	-					F
		-					E
		-					-
		-					F
	7.00						
		-					
		-			1		-
	100						
		-					-
							F
	BITLES .	-			2.00		-
	15/25	-					
		-					
							F
				0.01			
	Notes IR=Iron			ore C=Clay	SH=Shale M=Mud	stone CG=Cong	iom
GLOC	JIILWISTKI S	AWIFEES TAP	NEW .				



Program Name:

Project Area:

2012 Clear Hills Drilling Program

			R			Collar	700.90
WRA To	op Fe	24	.4	WRA Base Fe	30.9	Thickness Fe	6.5
Top (ft)	Sam Top m		Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No. N
76.8	23.40	-	23.90	01			
	23.90	-	24.40	02			
	24.40	-	24.90	03	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
	24.90	-	25.40	04			
	25.40	_	25.90	05			
	25.90		26.40	06		06B	
	26.40	-	26.90	07			
	26.90	-	27.40	08			
	27.40	_	27.90	09	3		
	27.90		28.40	10		10B	
	28.40	-	28.90	11			
	28.90	-	29.40	12			
	29.40	4	29.90	13			
	29.90		30.40	14		14B	
	30.40	-	30.90	15			
	30.90	-	31.40	16			
	31.40	-	31.90	17			1
	31.90	-	32.40	18			18D
	32.40	-	32.90	19			
		-		20	GIOP-104		
		-	3000				
		-					Part District
		-					
		-					
		-	1				
		_	0.5		The state of the s		
		-			4		
		-					
		-				PRIFES !	
		-					
		-					
		-					
		-					
		-					
mpling	Notes IR=Iro	on	NS=Not Sam	pled LC=Lost C	ore C=Clay	SH=Shale M=Muc	Istone CG=Conglon
		00	1				
Compos	site Samples _	20		# Bul	k Samples 3		# Duplicate Samples
ennis	Simoneau					Quinn Brow	n
	ng Technician			_		Core Sampling S	



Program Name: 2012 Clear Hills Drilling Program **Project Area:**

WRA To			WRA Base Fe	33.3	Thickness Fe	0.4	
Top (ft)		Sam Bot m	Sample No.		Bulk Den No		Note
	26.00		01	Standard No	Duik Dell'Ho	Duplicate No.	C
85.3	26.50	27.00	02				C
	27.00	- 27.40	03				IR
	27.40	- 27.90	04				C
	27.90	20.40	05				C
	28.40	28.90	06				C
	28.90	- 29.10	07				C
	29.10	- 29.60	08				IR
	29.60	30.10	09		T-19 -		LC
	30.10	30.60	10				IR
	30.60	- 31.10	11		11B		IR
	31.10	_ 31.60	12				LC
	31.60	32.10	13				IR
	32.10	32.60	14				IF
	32.60	- 33.10	15				IF
	33.10	_ 33.60	16		16B	AFT BUT	IF
1000	33.60	34.10	17				IF
	34.10	34.60	18				IF
	34.60	- 35.10	19		19B	The Later of the L	IF
- 1	35.10	_ 35.50	20				IF
	35.50	36.00	21				C
	36.00	36.50	22	0100 101		22D	C
		-	23	GIOP-104			-
		-					-
		-					-
		-					
1		-					
		_					
		-			100		
		-		100000000000000000000000000000000000000			
		-					
	100000000000000000000000000000000000000	A December 1					
		-					7
		-					
mpling N	lotes IR=Iro	n NS=Not Sam	pled LC=Lost Co	re C=Clay	SH=Shale M=Mud	stone CG=Cong	glome
				2.1			
Composi	te Samples	21	# Bulk	Samples 3		# Duplicate Samp	les
	te Samples _	21	# Bulk	Samples 3	Quinn Brown		les _



Program Name: 2012 Clear Hills Drilling Program **Project Area:**

WRA Top Fe 25.8	WRA To	n Fe	25.8	WRA Rase Fe	31 3	Thickness Fe	5.5
79,7 24.30							
24.80					Standard No	Bulk Dell No	Duplicate No. No
25.30	79.7						
25.80 - 26.80 065 065 068 068 068 068 068 068 068 068 068 068							
26.30							
26.80			00.00				
27.30 - 28.30 08 28.30 09 28.80 09 29.30 110 11B 11B 29.80 130.30 13 13 13B 13B 13B 13B 13B 13B 13B 13B 1						06B	
27.80 - 28.80							
28.80							
28.80			20.00				
29.80		28.80	29.30				
30.30			23.00		*	11B	
30.80							
30.80						13B	
31.80							
32.30							
32.80							
33.80							
34.30 - 34.80 20 GIOP-104							
Impling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			24.00				20D
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglor 1 - 33.5 = LOST CORE		34.30	- 04.00		GIOP-104		200
Impling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore (1-33.5 = LOST CORE			-		0.01 101		
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore 1.1 - 33.5 = LOST CORE			-				
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore 1.1 - 33.5 = LOST CORE							
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore 1.1 - 33.5 = LOST CORE							
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore 3.1 - 33.5 = LOST CORE			-				
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore 3.1 - 33.5 = LOST CORE		MILE STATE	-			1	
ampling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore C.1 - 33.5 = LOST CORE				14-11-11			
Impling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore							
Impling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			-				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglore. 1 - 33.5 = LOST CORE			-				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom .1 - 33.5 = LOST CORE			-				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			_				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE							
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			-				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			-				
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE			-				THE REAL PROPERTY AND ADDRESS OF THE PERSON
mpling Notes IR=Iron NS=Not Sampled LC=Lost Core C=Clay SH=Shale M=Mudstone CG=Conglom 1 - 33.5 = LOST CORE							
.1 - 33.5 = LOST CORE							
3.1 - 33.5 = LOST CORE							
1 - 33.5 = LOST CORE							
	mpling l	Notes IR=Iro	n NS=Not Sam	pled LC=Lost Co	re C=Clay	SH=Shale M=Mud	stone CG=Conglom
Composite Samples 17 # Bulk Samples 3 # Duplicate Samples	.1 - 33.5	= LOST CO	RE				
Composite Samples17							
		ita Samples	17	# Bulk	Samples 3		# Duplicate Samples
ennis Simoneau Quinn Brown	compos	ite Sailibles					



Program Name:

2012 Clear Hills Drilling Program

Project Area:

	18.70 19.20 19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	Sam Bot m - 19.20 - 19.70 - 20.20 - 20.70 - 21.20 - 21.70 - 22.20 - 22.70 - 23.20 - 23.70 - 24.20 - 24.70 - 25.20 - 25.70 - 26.20 - 27.20	WRA Base Fe Sample No. 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15	26.7 Standard No	Thickness Fe Bulk Den No	The second second
	18.70 19.20 19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	19.20 19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 27.20	01 02 03 04 05 06 07 08 09 10 11 12 13 14	Standard No	Bulk Den No	
61.2	19.20 19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	02 03 04 05 06 07 08 09 10 11 12 13 14			
	19.20 19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 27.20	03 04 05 06 07 08 09 10 11 12 13 14			
	19.70 20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	20.20 20.70 21.20 21.70 22.20 - 22.70 23.20 23.70 - 24.20 - 24.70 25.20 - 25.70 - 26.20 27.20	04 05 06 07 08 09 10 11 12 13 14			
	20.20 20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	- 20.70 - 21.20 21.70 - 22.20 - 22.70 - 23.20 - 23.70 - 24.20 - 24.70 - 25.20 - 25.70 - 26.20 - 27.20	05 06 07 08 09 10 11 12 13 14			
	20.70 21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	06 07 08 09 10 11 12 13 14			
	21.20 21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	06 07 08 09 10 11 12 13 14			
	21.70 22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	22.20 22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	08 09 10 11 12 13 14			
	22.70 23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	09 10 11 12 13 14			
	23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	10 11 12 13 14 15			
	23.20 23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	10 11 12 13 14 15			
	23.70 24.20 24.70 25.20 25.70 26.20 26.70 27.20	24.20 24.70 25.20 25.70 26.20 26.70 27.20	11 12 13 14 15			
	24.20 24.70 25.20 25.70 26.20 26.70 27.20	- 24.70 25.20 25.70 - 26.20 - 26.70 27.20	12 13 14 15			
	24.70 25.20 25.70 26.20 26.70 27.20	25.20 25.70 26.20 26.70 27.20	13 14 15			
	25.20 25.70 26.20 26.70 27.20	25.70 - 26.20 - 26.70 27.20	14 15			
	25.70 26.20 26.70 27.20	- 26.20 - 26.70 27.20	15			
	26.20 26.70 27.20	- 26.70 27.20				
	26.70 27.20	27.20				
	27.20		17		17B	
		27.60	18			
	27.60	- 28.10	19			19D
	20.40	20.00	20			100
	20.10	- 28.60	21	GIOP-104		
		-	21	0101-104		
-						
-		-				
		-				
-		_				
-						
-		-				
-		-				
-						
-						
-		-				
-		-		8		
		-				
		-				
-		-				
-		-				
		-				
		7 64				
		NO N O	-1-4 10-140	0-01	CU-Chala M-Man	data 00-0
mpling No	otes IR=Iron	NS=Not Sam	pled LC=Lost C	ore C=Clay	SH=Shale M=Mud	dstone CG=Conglom
		14				# D II
Composite	e Samples _1	11	# Bul	k Samples 1		# Duplicate Samples
nnie Si	imoneau		T		Quinn Brow	n
	g Technician		_		Core Sampling S	



Program Name:	Project Area:
2012 Clear Hills Drilling Program	South Whitemud River

Н	ole No.	25	Hole ID	SW-25	Collar	794.11	
WRA To	op Fe	24.9	WRA Base Fe	26.7	Thickness Fe	1.8	
Top (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note ID
81.8	24.90	_ 25.40	01		01B	01D	IR
01.0	25.40	25.90	02	1/10			IR
	25.90	26.40	03		03B		IR/LC
		- 26.70	04	A STATE OF THE STA			LC/IR
			05	GIOP-104			-
	26.70	27.20	06	0.0.			С
	27.20	- 27.70	07				C
		-				0-	
		-					
	-						
		-					
		-					-
		-					
		-					
		-					
		_					
		-					House
		-					1000
		-					
		-					T I T
		-					
		-					
		-					
		-					
		-					
		-					
		-					
Sampling	Notes IR=Iron	NS=Not Sam	pled LC=Lost Co	re C=Clay	SH=Shale M=Mud	stone CG=Cor	nglomerate
# Compos	site Samples	7	# Bulk	Samples 2		# Duplicate Sam	ples 1
Dennis	Simoneau				Andrew Rea	der	
Core Cutti	ing Technician				Core Sampling S	upervisor	



Program Name:		
2012 Clear Hills	Deilling	Drawes

Project Area:

	le No.			SW-26	Collar	799.66	-
WRA To	op Fe	30.8	WRA Base Fe	34.5	Thickness Fe	3.7	
op (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Not
96.1	29.30	_ 29.80	01			Maria E Table	
	29.80	30.30	02				
	30.30	30.80	03		03B		
	30.80	- 31.50	04				100
	31.50	_ 32.10	05				
	32.10	32.60	06				
	32.60	33.00	07		07B		
	33.00	- 33.50	08		A		
	33.50	34.00	09				
	34.00	34.50	10				- 6
	34.50	- 35.00	11		11B		
	35.00	- 35.60	12				
	35.60	36.00	13				IF
	36.00	36.50	14			14D	
	36.50	- 37.00	15				
		_	16	GIOP-104			
		1 9-					
		-					
		733					
		-					
						W-91 SILW	
	200	-	0.000			The state of the s	
		-				V-03-33-1	
	No. of the last		A. Charles				
		-					
		-					
		-					
	1 10						
		-					
	The second second	-					
		-					
		-					
	766						
	10 10 10				2		
		-					_
mpling	Notes IR=Iro	n NS=Not Sam	pled LC=Lost Co	ore C=Clay	SH=Shale M=Mud	stone CG=Con	glome
		44.4				- 7	
Compos	ite Samples	16	# Bulk	Samples 3		# Duplicate Samp	oles
ennis	Simoneau		1		Quinn Brown	1	



Sample Log

R E S O U A C E S	Geochemistry
Program Name:	Project Area:

2012 Clear Hills Drilling Program			South Whitemud River				
Но	le No.	27	Hole ID	SW-27	Collar	802.61	
WRA To	p Fe	36.2	WRA Base Fe	40.2	Thickness Fe	4.1	
Top (ft)	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
117.0		-	01	GIOP-104			-
	35.66	36.16	02		02B		IF
	36.16	36.66	03				IF
	36.66	- 37.16	04	THE RESERVE	7	THE STATE	IF
	37.16	_ 37.66	05				IF
	37.66	38.16	06		06B		IF
	38.16	38.66	07	Name of the last		07D	IF
	38.66	- 39.16	08				IF
	39.16	39.66	09				IF
	39.66	40.16	10			7 1 1 1 1 1 1 1 1	IF
	40.16	- 40.23	11		11B	100000000000000000000000000000000000000	IF
	40.23	- 40.73	12				0
	40.73	41 23	13			70 50	L
	41.23	41.73	14	LOTTING TO SERVICE AND ADDRESS OF THE PARTY			0
		-	15	GIOP-104			
				0.01 101			
				1			
		-					
		-					
							-
		-					
	Large A	-					
		770					
		-					
		-				1157.01	
		-					
		-					
		-					
							-
		-					
	55 100	-					
	1	-					
		-					
		3 10					
		-		1			
		-					
						La Carrella	
mpling	Notes IR=Iro	on NS=Not Sa	ampled LC=Lost C	ore C=Clay	SH=Shale M=Mud	stone CG=Cong	lome
	ite Samples _	35.5	# Bull	k Samples 3		# Duplicate Samp	les _
nnis	Simoneau				Andrew Rea	der	
Silling .	- inioneau				Andrew Rea	uei	



Program Name: 2012 Clear Hills Drilling Program Project Area:

Н	ole No.	28		Hole ID	SW-28	Collar	792.78	3
WRA T	op Fe	22.4		WRA Base Fe	25.6	Thickness F	е	3.2
Top (ft)	Sam Top m	Sam	Bot m	Sample No.	Standard No	Bulk Den No	Duplic	ate No. Not
73.4	22.40	_ 22	2.90	01		01B		
10.4	22.90		3.40	02				L
	23.40		.90	03				
	23.90	- 24	.40	04		04B		
	24.40	_ 24	.90	05			05	5D I
	24.90	25	.40	06				
	25.40	- 25	.60	07	1993:45	07B		
		-		08	GIOP-104			
	25.60		.10	09			4	L
	26.10		.60	10				TR
	26.60		.10	11				
	27.10		.60	12			-	
	27.60		.10	13				
	28.10		.60	14				
	28.60		.10	15				
		-						
		-						
	-	-						
,								
		-			-			
		-						
	20	-						
	A 15 A	-						
		-						
		-					The same	
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
	1	-					1000	22.50
		-						
ampling	Notes IR=Ire	on NS=	Not Samp	led LC=Lost C	ore C=Clay	SH=Shale M=N	Mudstone	CG=Conglome
Compos	site Samples	13		# Bull	Samples 3		# Dupli	cate Samples
	Simoneau			1		Liam Mur	4.0	-
CIIIII	JiiiiUileau					Liaili Wulf	Jily	



R	\in	5	0	U	R	C	\in	S	

Program Name:
2012 Clear Hills Drilling Program

Project Area:

	p Fe					
		21.0	WRA Base Fe	24.0	Thickness Fe	3.0
5.8	Sam Top m	Sam Bot m	Sample No.	Standard No	Bulk Den No	Duplicate No. N
	20.00	_ 20.50	01			
	20.50	21.00	02			
	21.00	21.50	03			03D
	21.50	- 22.00	04		04B	
	22.00	_ 22.50	05	Maria a		
	22.50	23.00	06			
	23.00	23.50	07			
	23.50	- 24.00	08			
	24.00	_ 24.50	09		09B	
	24.50	25.00	10			1
	25.00	- 25.50	11			
	25.50	- 26.00	12	0100.404		
	00.00	- 00.50	13	GIOP-104	440	
	26.00	26.50	14		14B	
	26.50	27.40	15 16			
	26.60 27.10	- 27.10 27.60	17			
	27.10	- 27.00	- 17			
		-				
		-				
	10000	-				
		-				
		7				
		-				
		-				
		_				
		-				
		-				
		-			1	
						-11
1		-				
	17	-				
		-				
		-				
- 9						
		-				
		-				
npling	Notes IR=Iro	n NS=Not Sam	pled LC=Lost Co	ore C=Clay	SH=Shale M=Muc	dstone CG=Conglon
	4000	1. Y				- 4
ompos	ite Samples _	14	# Bulk	Samples 3		# Duplicate Samples
nnie	Simoneau				Andrew Rea	der



Program Name: 2012 Clear Hills Drilling Program **Project Area:**

Н	ole No.	30	Hole ID	SW-30	Collar	799.02	
WRA To	op Fe	32.6	WRA Base Fe	37.5	Thickness Fe	4.9	
Top (ft)	Sam Top m	Sam Bot r	n Sample No.	Standard No	Bulk Den No	Duplicate No.	Note
101.9	31.10	_ 31.60	01				C
	31.60	32.10	02				C
	32.10	32.60	03				IF
	32.60	- 33.10	04				IF
	33.10	_ 33.60	05		05B		IF
	33.60	34.10	06				IF
	34.10	34.60	07		07B		IF
	34.60	- 35.10	08				IF
	35.10	35.60	09				IF
	35.60	36.10	10		10B		IF
	36.10	- 36.60	11		100		IF
	36.60	- 37.00	12				IF
	37.00	37.50	13				C
	37.00	- 37.50	14	GIOP-104			-
	37.50	- 38.00	15	GIOF-104		15D	-
	38.00	20.50	16			150	-
	36.00	_ 38.50	17	GIOP-104			
		-	11	GIOP-104			
		-					
		-					
	7-10-1	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
						A CONTRACTOR OF THE PARTY OF TH	
		-					
	10	-					
		-					
		3					
		-					
		-					
	0.75						
		- 1					
ampling	Notes IR=Iro	n NS=Not S	Sampled LC=Lost C	ore C=Clay	SH=Shale M=Mud	stone CG=Conglor	mei
	200						
Compos	ite Samples	17	# Bull	k Samples 3	- 1	# Duplicate Samples	
	Simoneau		1		Liam Murphy		
annie	SIMONASII		1		I LONG BALLERALI		



2012 South Whitemud Drilling Program

Metallurgy Sample Logs



Pro	ara	m	Na	m	ο.

2012 C	2012 Clear Hills Drilling Program					South Whitemud	River
Н	ole No.	1	Α	Hole ID	SW-01A	Collar	783.10
WRA T	op Fe	34	.5	WRA Base Fe	42.8	Thickness Fe	8.3
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
109.9	33.50	-	34.50	01M			
7775	34.50	-	35.50	02M			
	35.50	-	36.50	03M			
	36.50	-	37.50	04M			
	37.50	-	38.50	05M			
	38.50	-	39.50	06M			
	39.50	-	40.50	07M			
	40.50	-	41.50	M80			
	41.50	-	42.80	09M			
	42.80	-	43.80	10M			
	43.80	-	44.80	11M			
		-					
	THE R	-					
		-		2.31			
	199	-					
		-					
	No.	-		The state of the s			
		-					
	B 7775	-					
		-		- 4 4 1 1 1 1			
		-					
	A HOLE	-					
		-					
		-					
		_					
		-					
		_					
		-					
		-					
		-		77 17			
Clay : 01 ron : 02	M, 10M, 11M M-09M					- 100	
			44				
	site Samples		11				
	Simoneau					Liam Murph	
Core Cutt	ing Technicia	n				Core Sampling S	Supervisor



Program Name:		
2012 Clear Hills	Drilling	Program

Project Area:

South Whitemud River

Hole No. 2A		Hole ID	SW-02A	Collar	778.92	
WRA Top Fe	30.6	WRA Base Fe	37.9	Thickness Fe	7.2	
Top (ft) Sam Top m	Sam Bot m	Sample No.				

Top (ft)	Sam Top m		Sam Bot m	Sample No.
100.5	30.63	-	31.63	01M
	31.63	-	32.63	02M
	32.63	-	33.63	03M
	33.63	-	34.63	04M
	34.63	-	35.63	05M
	35.63	-	36.63	06M
	36.63	-	37.63	07M
	37.63	-	37.87	08M
	37.87	-	38.87	09M
	38.87	-	39.87	10M
		-	Total Section 15	
	1718	-		
	WE WATE	-	9.79	
				NEW STATE
ALC: SHE	enella V	-	5171.711	
	100	-		
		-	7.45.5	
		-	10.	
		-		
			11,16	
		-	7.	
			7 4 7	
			7	
		-		
		_		
				0.1677
		_		
			7 7 7 7	
	7. 1. 1. 1. 1.			

THE RESERVE OF THE PARTY OF THE		

Composite Samples 10

Dennis Simoneau

ıu

Core Cutting Technician

Andrew Reader

Core Sampling Supervisor



Drog	Fam	Mamo:
FIUG	Idill	Name:

Hol	e No.	3,	A	Hole ID	5VV-U3A	Collar 7	0.79
RA To	p Fe	28	3.1	WRA Base Fe	32.5	Thickness Fe	4.4
p (ft)	Sam Top m		Sam Bot m	Sample No.			
39.0	27.13	-	28.13	01M			
	28.13	-	29.13	02M			
	29.13	-	30.13	03M			
	30.13	-	31.13	04M			
	31.13	-	32.13	05M			
	32.13	-	33.13	06M			
A GIE	33.13	-	33.22	07M			
000	33.22	-	34.22	M80			
	34.22	-	35.22	09M			
Vally.		-					
-		-					
		-					
1		-					
		-					
300		-					
		-	A COLOR				
		-					
THE RES		-					
		-					
		-					
		-					
		-					
		-					
		-					
- 7		-					
		-					
		-					
		-					
		-	1				
4	THE RESERVE	-					
		-					
				No. of			
Composi	te Samples	ij.	9				
ennis S	Simoneau			1		Andrew Reade	r
	ng Technician					Core Sampling Sup	ervisor



Hole	No.	4		Hole ID	SW-04	Collar	785.44
RA Top	Fe	0.0		WRA Base Fe	0.0	Thickness Fe	0.0
p (ft)	Sam Top m	Sa	m Bot m	Sample No.			
				NO SAMPLES			
1		-					
	1.5	- [
		-					
		-					
		-					
		-					
		- [
		-					
-1	100	-					
		- [00 (- 1			
		-					
		-					
	Pallan I	-		11/2/11			
		-					
	THAT!	-					
		-					
		-					
		-					
		-	100				
		-					
		- [
METAL	LURGICAL	SAME	LES TAK	EN		100	
	e Samples	0	1	1-			



Pro	gran	n Na	me:

Н	ole No.	5	5	Hole ID	SW-05	Collar 79	8.71
WRA T	op Fe	46	.0	WRA Base Fe	54.0	Thickness Fe	8.0
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
141.0	42.98	-	43.98	01M			
	43.98	-	44.29	02M			
	44.29	-	45.29	03M			
	45.29	-	45.45	04M			
	45.45	-	46.45	05M			
	46.45	-	47.45	06M			
	47.45	-	48.45	07M			
	48.45	-	49.45	08M			
	49.45	-	50.45	09M			
	50.45	-	51.45	10M			
	51.45	-	52.45	11M			
	52.45	-	53.45	12M			
	53.45	-	53.95	13M			
	53.95	-	54.95	14M			
	54.95	-	55.47	15M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
	14	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
# Compos	site Samples _		15				
Dennis	Simoneau					Andrew Reade	
	ing Technician			_		Core Sampling Supe	rvisor



Prog	ram	Name	9:

2012 C	2012 Clear Hills Drilling Program				South Whitemud River				
Н	ole No.		6	Hole ID	SW-06	Collar	796.02		
WRA T	op Fe	40	0.8	WRA Base Fe	48.6	Thickness Fe	7.8		
Top (ft)	Sam Top m		Sam Bot m	Sample No.					
130.6	39.80	-	40.80	01M					
	40.80	-	41.80	02M					
	41.80	-	42.80	03M					
	42.80	-	43.80	04M					
	43.80	-	44.80	05M					
	44.80	-	45.80	06M					
	45.80	-	46.80	07M					
	46.80	-	47.80	M80					
	47.80	-	48.60	09M					
	48.60	-	49.60	10M					
	49.60	-	50.60	11M					
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
	7	-							
		-							
	1	-							
	100	-							
		-							
		-							
		-							
	70.00	-							
	15.26	-							
C = 048	W, 10M, 11M								
IR = 02	VI, TOWI, TTWI VI-09M								
# Compos	site Samples		11						
				1		Liens Marrie	100		
	Simoneau					Liam Murph			
Core Cutt	ing Technicia	n				Core Sampling	Supervisor		



Р	roa	ra	m	N:	am	e:	

Project Area:

пс	ole No.	7		Hole ID	3VV-07	Collar 79	0.30
RA To	op Fe	30	.0	WRA Base Fe	33.7	Thickness Fe	3.7
p (ft)	Sam Top m		Sam Bot m	Sample No.			
2.0	28.00	-	29.00	01M			
	29.00	-	30.00	02M			
	30.00	-	31.00	03M			
	31.00	-	32.00	04M			
	32.00	-	33.00	05M			
	33.00	-	33.70	06M			
	33.70	-	34.40	07M			
	34.40	-	35.40	M80			
	35.40	-	36.30	09M			
	36.30	-	37.30	10M			
	37.30	-	38.30	11M			
	38.30	-	39.30	12M			
	39.30	-	40.30	13M			
	40.30	-	40.50	14M			
	40.50	-	41.50	15M			
	M. A. S. L. M.	-	117	TENER !			
	100	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-	4				
		-					

Core Cutting Technician

Core Sampling Supervisor



Hole No.	8	Hole ID	SW-08	Collar 78	5.40
VRA Top Fe	0.0	WRA Base Fe	0.0	Thickness Fe	0.0
Top (ft) Sam To	op m Sam B	ot m Sample No.			
0.0	-	NO SAMPLES			
	-				
100	1-,				
	-				
A TOTAL					
	-				
		9.727			
	-				
		0.00			
TABLE S	-				
	-				
	-				
10.0					
OMETALLUBO	SICAL SAMPLES	TAVEN			
OWETALLORG	SICAL SAWIFLES	TAKEN			
Composite Sam	ples 0	0			TO COMP
ennis Simor	Marie Control	1		N/A	
ore Cutting Tech				Core Sampling Supe	rvieor



Program Name:

2012 Clear Hills Drilling Program

Project Area:

South Whitemud River

Hole No.	9	Hole ID	SW-09	Collar	798.97
WRA Top Fe	34.9	WRA Base Fe	43.9	Thickness Fe	9.0
T (6) 0 T	0 0	O			

Top (ft)	Sam Top m		Sam Bot m	Sample No.
111.3	33.90	_	34.90	01M
	34.90	-	35.90	02M
	35.90	-	36.90	03M
	36.90	-	37.90	04M
	37.90	-	38.90	05M
	38.90	-	39.90	06M
	39.90	-	40.90	07M
	40.90	-	41.90	08M
	41.90		42.90	09M
	42.90	-	43.90	10M
	43.90	-	44.90	11M
	44.90	-	45.50	12M
	45.50	-	46.50	13M
		-		
	100	-		
		-		
		-		
	7	-		
		-		
		-		
		-		
		-		
		-		
		-		
		-	3	
		-		
		-		
	Marin B	-		
		-		
		-		

the state of the s		

Composite Samples 13

Dennis Simoneau

Core Cutting Technician

Quinn Brown

Core Sampling Supervisor



Program Name:

2012 Clear Hills Drilling Program

Project Area:

South Whitemud River

Hole No. 10 Hole ID SW-10 Collar 806.07

WRA Top Fe 42.1 WRA Base Fe 51.3 Thickness Fe 9.2

Top (ft)	Sam Top m		Sam Bot m	Sample No.
134.5	41.10	-	42.10	01M
	42.10	-	43.10	02M
	43.10	-	44.10	03M
	44.10	-	45.10	04M
	45.10	-	46.10	05M
	46.10	-	46.30	06M
	46.30	-	47.30	07M
	47.30	-	47.70	M80
	47.70	-	48.70	09M
	48.70	-	49.70	10M
	49.70	-	50.70	11M
	50.70	-	51.70	12M
	51.70	-	52.70	13M
	52.70	-	53.70	14M
	53.70	-	54.00	15M
	54.00	-	55.00	16M
		-	14.2	
	THE STATE OF	-	3 3	
	F9111	-		
		_		
		_		
		-		
		-		
		_		
		-		
		-		
		-		
		-	1	
		-		

06M = LOST CORE

- Iron interval split into two sections separated by a thin (2.2 m) shale unit - 7.0 meter combined iron thickness' (>25% Fe) over a 9.2 meter interval - See handwritten highlighted notes above

# (Composite	Samples	16

Dennis Simoneau

Core Cutting Technician

Quinn Brown

Core Sampling Supervisor



Prog	ram	Name:	

2012 Clear Hills Drilling Program

Project Area:

	le No.			Hole ID		Collar 8	
WRA To	p Fe	49	.9	WRA Base Fe	57.0	Thickness Fe _	7.1
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
160.4	48.90	-	49.90	01M			
	49.90	-	50.90	02M			
	50.90	-	51.90	03M			
	51.90	-	52.90	04M			
	52.90	-	53.90	05M			
	53.90	-	54.90	06M			
	54.90	-	55.90	07M			
	55.90	-	56.90	M80			
	56.90	-	57.00	09M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
	50	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					



Core Sampling Supervisor

Program Name:

Core Cutting Technician

Но	le No.	1	2	Hole ID	SW-12	Collar	803.74
RA To	p Fe	48	3.2	WRA Base Fe	55.3	Thickness Fe	7.1
	Sam Top m		Sam Bot m	Sample No.			
1.6	46.20	-	47.20	01M			
	47.20	-	48.20	02M			
	48.20	-	49.20	03M			
	49.20	-	50.20	04M			
	50.20	-	51.20	05M			
	51.20	-	52.20	06M			
	52.20	-	53.20	07M			
	53.20	-	54.20	M80			
	54.20	-	55.20	09M			
	55.20	-	55.30	10M			
	55.30	-	56.30	11M			
		-					
		-					
		-					
		-					
		-					
	The state of	-					
		-					
		-					
		-					
		-					
		-					
	No.	-					
111		-					
		-					
		-					
		-					
		-					
		-					
		-					
	ite Samples		11				



Prog	ram	Na	me:

2012 Clear Hills Drilling Program

Project Area:

Hol	e No	13	3	Hole ID	SW-13	Collar 7	97.01
WRA To	p Fe	44.	1	WRA Base Fe	47.3	Thickness Fe	3.2
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
138.0	42.10	- 1	43.10	01M			
	43.10	-	44.10	02M			
	44.10	-	45.10	03M			
	45.10	-	46.10	04M			
	46.10	-	47.10	05M			
	47.10	-	47.30	06M			
	47.30	-	48.30	07M			
		-					
	Balle III	-					
		-					
		-					
	-	-	7				
		-					
	PL-DN	-					
		-					
		-					
	TANK I	-		X-mil Ti			
		-		The state of the s			
	THE VALUE OF	-					
		-					
1981	77	-					
	1000	-	1	- A			
		-		The state of the s			
		-		Name of the last			
		-					
		-					
1		-					
		-		7.4			
		-					
		-					
		,				Line in the last	
727							
# Composi	te Samples _		7				
Dennis 9	Simoneau					Quinn Brown	
	ng Technician					Core Sampling Sup	



Н	ole No.	14	Hole ID	SW-14	Collar	782.15
VRA T	op Fe	0.0	WRA Base Fe	0.0	Thickness Fe	0.0
op (ft)	Sam Top m	Sam I				
0.0			NO SAMPLES			
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-	A STATE OF			
META	ALLURGY SA	MPLES T	AKEN			- TOTAL



Progra	m Name	e:		
2012	Clear	Hills	Drilling	Program

Project Area:

South Whitemud River

Но	le No.	1	5	Hole ID	SW-15	Collar 79	96.58
WRA To	p Fe	32	2.6	WRA Base Fe	39.1	Thickness Fe	6.5
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
107.0	32.60	-	33.60	01M			
	33.60	-	34.60	02M			
	34.60	-	35.60	03M			
	35.60	-	36.60	04M			
	36.60	-	37.60	05M			
	37.60	-	38.60	06M			
	38.60	-	39.60	07M			
	39.60	-	40.60	M80			
	40.60	-	40.80	09M			
	40.80	-	41.80	10M			
	7 2 3 9	-					
		-					
		-					
		-					
	A TOLLINS	-					
		-					
		-					

the second second		

Composite Samples 10

Dennis Simoneau

Core Cutting Technician

Quinn Brown



Pro	gran	Name	e:			
				5551		

Project Area:

12 01	ear Hills I	וווזע	ing Progra	m		South Whitemud	River
Но	le No.	1	6	Hole ID	SW-16	Collar	808.24
/RA To	p Fe	45	5.9	WRA Base Fe	52.4	Thickness Fe	6.5
op (ft)	Sam Top m		Sam Bot m	Sample No.			
147.5	44.90	-	45.90	01M			
	45.90	-	46.90	02M			
	46.90	-	47.90	03M			
	47.90	-	48.90	04M			
	48.90	-	49.90	05M			
	49.90	-	50.90	06M			
	50.90	-	51.90	07M			
	51.90	-	52.90	M80			
	52.90	-	53.00	09M			
	53.00	-	54.00	10M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
	K (Y)	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					

Composite Samples 10

Dennis Simoneau

Core Cutting Technician

Quinn Brown



Program Name:

Core Cutting Technician

Project Area:

Hol	le No.	1		Hole ID	3VV-17	Collar 80	1.40
RA To	p Fe	40	.0	WRA Base Fe	47.5	Thickness Fe	7.5
p (ft)	Sam Top m		Sam Bot m	Sample No.			
28.0	39.00	-	40.00	01M			
	40.00	-	41.00	02M			
	41.00	-	42.00	03M			
	42.00	-	43.00	04M			
	43.00	-	44.00	05M			
	44.00	-	45.00	06M			
	45.00	-	46.00	07M			
	46.00	-	47.00	M80			
	47.00	-	48.00	09M			
	48.00	-	48.10	10M			
	48.10	-	49.10	11M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
93		-					
*		-		· Male			
		-					
		-					
		-					
		-					
		-					
211		-					
35.7		-					
		-					



Program Name:

Sam Top m Sam Bot m Sample No. 43.7 41.10 - 42.10 01M 42.10 - 43.10 02M 43.10 - 44.10 03M 44.10 - 45.10 04M 45.10 - 46.10 05M 46.10 - 47.10 06M 47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.90 10M 50.90 - 51.90 11M	3.0
34.7	
41.10 - 42.10 42.10 - 43.10 43.10 - 44.10 44.10 - 45.10 45.10 - 46.10 46.10 - 47.10 48.10 - 48.10 49.10 - 50.10 50.10 - 50.90 50.90 - 51.90 11M	
42.10 - 43.10 02M 43.10 - 44.10 03M 44.10 - 45.10 04M 45.10 - 46.10 05M 46.10 - 47.10 06M 47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
43.10 - 44.10 03M 44.10 - 45.10 04M 45.10 - 46.10 05M 46.10 - 47.10 06M 47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
45.10 - 46.10 05M 46.10 - 47.10 06M 47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
46.10 - 47.10 06M 47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
47.10 - 48.10 07M 48.10 - 49.10 08M 49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
49.10 - 50.10 09M 50.10 - 50.90 10M 50.90 - 51.90 11M	
50.10 - 50.90 10M 50.90 - 51.90 11M	
50.90 - 51.90 11M 	
# Composite Samples 11	
Pennis Simoneau Quinn Brown	115
ore Cutting Technician Core Sampling Supervisor	



P	roa	ran	N:	ame	:

Но	le No.	1	9	Hole ID	SW-19	Collar 78	88.06
WRA To	p Fe	30	.7	WRA Base Fe	37.2	Thickness Fe	6.5
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
94.0	28.70	-	29.70	01M			
100	29.70	-	30.70	02M			
	30.70	-	31.70	03M			
	31.70	-	32.70	04M			
	32.70	-	33.70	05M			
	33.70	-	34.70	06M			
	34.70	-	35.70	07M			
	35.70	-	36.70	M80			
	36.70	-	37.70	09M			
	37.70	-	38.60	10M			
	38.60	-	39.60	11M	·		
		-					
		-					
		-					
	115	-					
		-		Maria Maria			
		-					
		-					
	100	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
ample 0	4M = Lost C	ore					
Compos	ite Samples		11		177		
	Simoneau					Quinn Brown	
	ng Technician					Core Sampling Supe	



-			
Pro	aram	Na	ma.
1 100	41 allı	ITAL	110.

2012 016	ar milis L	riiii	ng Prograi			South	wnitemua r	avei
Hol	e No	20	Α	Hole ID	SW-20A		Collar 7	85.74
WRA To	Fe	22	.3	WRA Base Fe	28.8	Thi	ickness Fe	6.5
Top (ft)	Sam Top m		Sam Bot m	Sample No.				
73.3	22.30	-	23.30	01M				
	23.30	-	24.30	02M				
	24.30	-	25.30	03M				
	25.30	-	26.30	04M				
	26.30	-	27.30	05M				
	27.30	-	28.30	06M				
	28.30	-	29.30	07M				
-	29.30	-	30.30	M80				
	30.30	-	30.60	09M				
	30.60	-	31.60	10M				
	31.60	-	32.60	11M				
	32.60	-	33.20	12M				
100	1 100 17	-						
	T. MALEY	-						
		-						
		-						
		-						
11/2/		-						
		-						
		-						
		-						
		-						
1 8 9 N P		-						
		-						
		-						
		-						
		-	7/-					
		-						
		-						
		-						
# Composi	te Samples		11				1 1, 10	
	MICHORN .			1		1.0	m Murahi	
	g Technicia						am Murphy re Sampling Sup	onvisor
Core Cuttin	g rechniciai	1				Cor	e sampling sup	ervisor



Hole N	lo	21	Hole ID	SW-21	Collar	779.5	5
WRA Top F	е		WRA Base Fe	- 15	Thickness	Fe	0.0
Top (ft) Sa	m Top m	Sam Bot m	Sample No.				
0.0			NO SAMPLES				
	-						
NO METALL	URGICAL S.	AMPLES TAK	EN				
# Composite \$	Samples	0					
Dennis Sin	noneau				Quinn B	rown	
	Technician	T I I			Core Samp	ling Supervise	or



Program Name:

Но	le No.	21R		Hole ID	SW-21R	Collar 78	5.90
WRA To	p Fe	24.4		WRA Base Fe	30.9	Thickness Fe	6.5
Top (ft)	Sam Top m	San	n Bot m	Sample No.			
76.8	23.40	- 2	4.40	01M			
	24.40	- 2	5.40	02M			
	25.40	- 2	6.40	03M			
	26.40	- 2	7.40	04M			
	27.40	- 2	8.40	05M			
	28.40	- 2	9.40	06M			
	29.40	- 3	0.40	07M			
	30.40	- 3	1.40	08M			
	31.40	- 3	1.90	09M			
	31.90	- 3	2.90	10M			
		-					
		-					
	To a second	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
Compos	ite Samples	10					7 3 70
	Simoneau			1		Quinn Brown	
0 41	ng Technician	n		_		Core Sampling Supe	rvieor



Drog	MO 199	Man	
Prog	raiii	Maii	ıe.

2012 Clear Hills Drilling Program

Project Area:

South Whitemud River

Но	le No.	2	2	Hole ID	SW-22	Collar 78	39.15
VRA To	p Fe	29	.1	WRA Base Fe	35.5	Thickness Fe	6.4
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
85.3	26.00	-	27.00	01M			
	27.00	-	27.40	02M			
	27.40	-	28.40	03M			
	28.40	-	29.10	04M			
	29.10	-	30.10	05M			
	30.10	-	31.10	06M			
	31.10	-	32.10	07M			
	32.10	-	33.10	M80			
	33.10	-	34.10	09M			
	34.10	-	35.10	10M			
	35.10	-	35.50	11M			
	35.50	-	36.50	12M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
	7	-					
		-					

Composite Samples 12

Dennis Simoneau

Core Cutting Technician

Quinn Brown



1						
Р	roa	ra	m	Na	me	:

2012 Clear Hills Drilling Program

Project Area:

South Whitemud River

н	ole No.	2	3	Hole ID	SW-23	Collar	782.14
WRA T	op Fe	25	5.8	WRA Base Fe	31.3	Thickness Fe	5.5
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
79.7	24.30	-	25.30	01M			
	25.30	-	25.80	02M			
	25.80	-	26.80	03M			
	26.80	-	27.80	04M			
	27.80	-	28.80	05M			
	28.80	-	29.80	06M			
	29.80	-	30.80	07M			
	30.80	-	31.80	M80			
	31.80	-	32.80	09M			
	32.80	-	33.20	10M			
	33.20	-	34.20	11M			
		-					
		-					
		-		- Y			
	2	-					
		-					
		_					
		-					
		_					
		-					
		-					
		-					
	2021	-					
	121111	-					
		-					

33.1 - 33.5 = LOST CORE			THE RESERVE

Composite Samples 11

Dennis Simoneau

Core Cutting Technician

Quinn Brown



	ш	-	7		3 L	-			5	
	R	\in	5	0	U	R	C	\in	S	
_										

Program Name:

Но	le No.	2	4	Hole ID	SW-24	Collar 77	4.95
RA To	p Fe	19	.7	WRA Base Fe	26.7	Thickness Fe	7.0
p (ft)	Sam Top m		Sam Bot m	Sample No.			
1.2	18.70	-	19.70	01M			
	19.70	-	20.70	02M			
	20.70	-	21.70	03M			
	21.70	-	22.70	04M			
	22.70	-	23.70	05M			
	23.70	-	24.70	06M			
	24.70	-	25.70	07M			
	25.70	-	26.70	M80			
	26.70	-	27.60	09M			
	27.60	-	28.60	10M			
		-					
		-					
		-					
		-	100				
		-					
		-					
		-					
	To The Table	-					
		-					
		-					
		-		The state of the s			
		-					
	Mary S	-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
AND	04M = LOST	CO	RE (i.e. no co	re recovered betw	veen 20.7 m - 22.7	' m)	1000
			A A STORY OF STREET				
	Tel Marie				Annual States	1 1 1 1 1 1 1 1 1 1 1 1	
	ite Samples		10				4/15/14/19



Program	Name:		
2042 0	Inna Little	Daillina	D

Но	le No.	25	Hole ID	SW-25	Collar	794.11
RA To	p Fe	24.9	WRA Base Fe	26.7	Thickness Fe	1.8
p (ft)	Sam Top m	Sam Bot m	Sample No.			
1.8	24.90	- 25.90	01M			
TO PO	25.90	- 26.70	02M			
	26.70	- 27.70	03M			
	27.70	- 28.70	04M			
		-				
		-				
		-				
		-				
		_				
		-				
		-				
		-				
		-				
	CO JUNE	-				
	STEWN !	-				
		-				
		-				
		-				
		-				
		-				
	e de la	-				
		-				
79.4						
76		-	1,000			
1312					- 1 1 L L L	
mpos	ite Samples	4				



P	roa	ram	Na	me:

2012 C	lear Hills [Drill	ing Prograi	m	South Whitemud River				
Н	ole No.	2	6	Hole ID	SW-26	Collar 79	9.66		
WRA T	op Fe	30	8.0	WRA Base Fe	34.5	Thickness Fe	3.7		
Top (ft)	Sam Top m		Sam Bot m	Sample No.					
96.1	29.30	-	30.30	01M					
	30.30	-	31.30	02M					
	31.30	-	32.30	03M					
	32.30	-	33.30	04M					
	33.30	-	34.30	05M					
	34.30	-	35.30	06M					
	35.30	-	35.60	07M					
	35.60	-	36.60	M80					
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-							
		-	200						
		-							
	The Late	-							
		-							
		-							
		-							
		-							
		-							
	Sept 1	-							
	N. J. W. 1. J.	-							
		-	Service .						
		-							
1 9 .7									
1 37									
			- 1						
	site Samples		8	1					
	Simoneau	_				Quinn Brown			
Core Cutt	ing Technicia	n				Core Sampling Supe	rvisor		



	 -	-	100	-	4.5	-
١.						

Но	le No.	2	7	Hole ID	SW-27	Collar	802.61
WRA To	p Fe	36	5.2	WRA Base Fe	40.2	Thickness Fe	4.1
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
117.0	35.66	-	36.66	01M			
	36.66	-	37.66	02M			
	37.66	-	38.66	03M			
	38.66	-	39.66	04M			
	39.66	-	40.23	05M			
	40.23	-	41.23	06M			
	41.23	-	42.23	07M			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
	What is	-					
		-					
	G COLD	-					
		-					
		-					
		-					
		-					
		-					
	19300	-					
		-					
		-					
		-					
		-					
# Compos	ite Samples		7				
Dennis !	Simoneau					Andrew Read	der
	ng Technician			_		Core Sampling St	



_		
Pro	gram	Name:

Hol	e No.	28		Hole ID	SW-28	Collar	792.78	
RA To	p Fe	22.4		WRA Base Fe	25.6	Thickness Fe	3.2	
p (ft)	Sam Top m	5	Sam Bot m	Sample No.				
73.4	22.40	- [23.40	01M				
	23.40	-	24.40	02M				
	24.40	-	25.40	03M				
7	25.40	-	25.60	04M				
	25.60	-	26.60	05M				
	26.60	-	27.60	06M				
	27.60	-	28.60	07M				
	28.60	-	29.60	M80				
		-						
	V.	-						
		-		14111				
		-						
		-						
000	SCIENCE IN	-						
		-						
		-						
		-						
	100	-						
7.5		-						
		-						
		-		100				
		- -						
		-						
		-						
		- -						
		-						
		-						
		- -						
			_					
		- L						
14.0								
The state of						1 2 . 3 . 5		
Composi	te Samples	8						
	Simoneau			1		Liam Murphy		



D-	 - Man	

Н	ole No.	2	9	Hole ID	SW-29	Collar	790.66
WRA T	op Fe	21	.0	WRA Base Fe	24.0	Thickness Fe	3.0
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
65.8	20.00	-	21.00	01M			
	21.00	-	21.50	02M			
	21.50	-	22.50	03M			
	22.50	-	23.50	04M			
	23.50	-	24.50	05M			
	24.50	-	25.50	06M			
	25.50	-	26.50	07M			
	26.50	-	26.60	M80			
	26.60	-	27.60	09M			
		-					
		-		Market Land			
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
4		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-					
		-		1			
		_					
# Compos	site Samples		9				
	7			T.			
	Simoneau ing Technician					Andrew Rea	
						Core Sampling S	



Pro	ara	m	Na	m	0.

2012 Clear Hills Drilling Program

Project Area:

South Whitemud River

Ho	e No.	30		Hole ID	SW-30	Collar 79	9.02
WRA To	p Fe	32.	6	WRA Base Fe	37.5	Thickness Fe	4.9
Top (ft)	Sam Top m		Sam Bot m	Sample No.			
101.9		- 1	32.10	01M			
			33.10	02M			
	00.40	-	34.10	03M			
	01.10	-	35.10	04M			
	07.40	-	36.10	05M			
	00.40	-	37.00	06M			
		_	38.00	07M			
	00.00	-	39.00	M80			
		-					
		-					
		-					
	2, 10	-					
		-					
		-					
		-					
1.7		-	- 19 99				
- 416							
		_					
		-		7.77			
1000		_					
		_					
		_		100			
		_		8.36.23			
	-						
		_					
1		_					
01M, 07M	and 08M = Sh	hale	9				STATE OF THE PARTY OF
02M - 06N	l = Iron						
# Compos	ite Samples		8				
Dennie	Simoneau	711		1		Liam Murphy	
	ng Technician					Core Sampling Supe	



2012 South Whitemud Drilling Program

Analytical Results

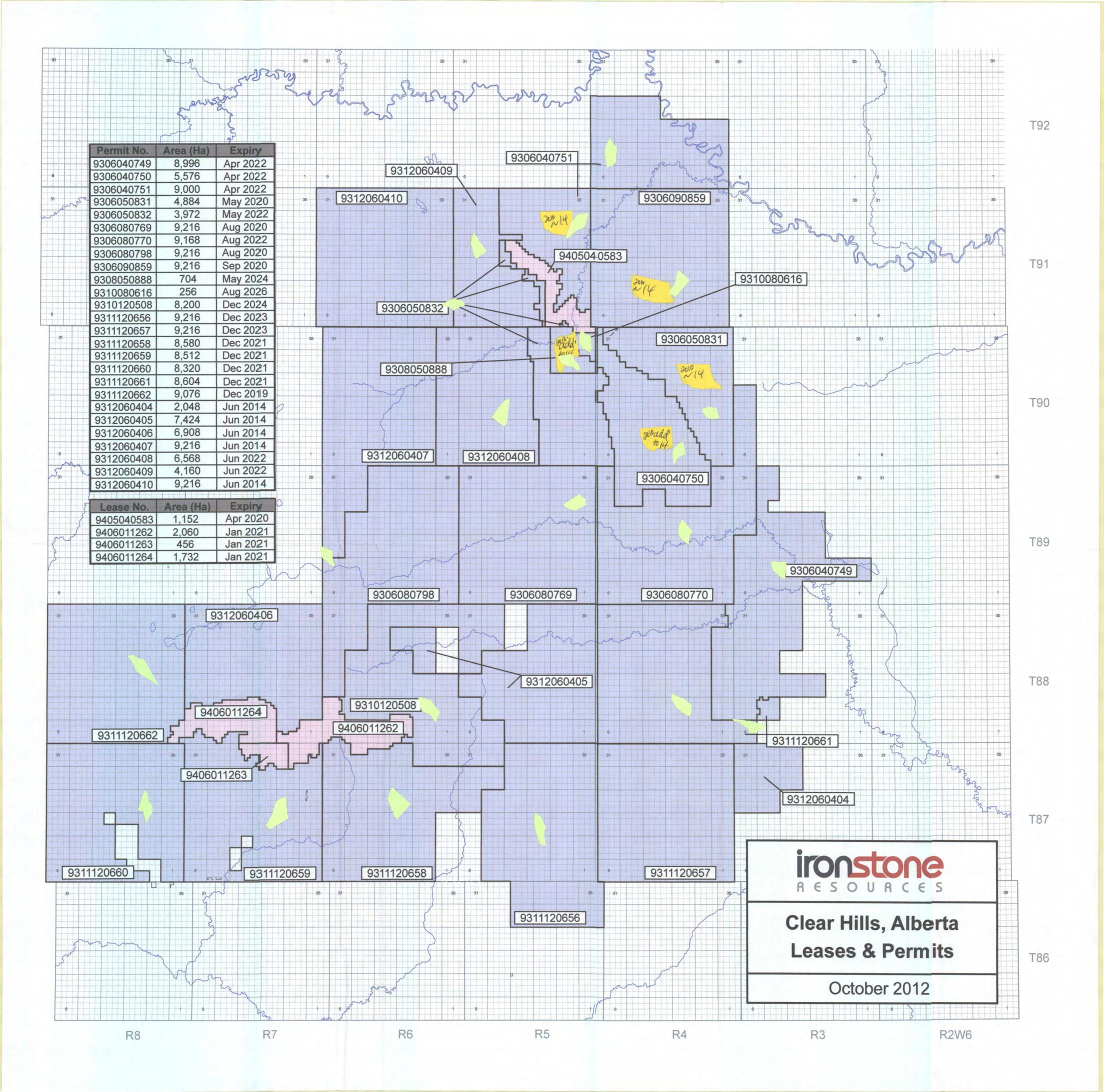
unit Symbol Unit Symbol	AI2O3	BaO %	ÇaO %	Cr203	Cu	fe %	K20	MgO %	Mo.	Na20	Ni	P	5 %	5102	TiO2	V205	Zn %	25	Total %	-
etection Limit					-			NA STORY			- A			-	*			-		
nalysis Method	NA-XF100 12.11	0.07	1.37	0.025	0.004	NA-XF100 11.97	NA-XF100 2.234	NA-30F100	0.043	0.33	0.004	0.223	NA-XF100	NA-XF100 53.56	NA-XF100 0.624	0.081	0.023	NA-XF100 <0.01	93.38	NA-
01A 02	14.94	0.09	0.91	0.018	0.003	4.90	2.891	1.46	800.0	0.45	0.003	0.067	0.534	62.71	0.837	0.051	0.012	<0.01	96.40	- 6
01A 03	8.50 7.04	0.05	2.07	0.038	0.007	26.64 30.57	0.896	1.29	0.050	0.13	0.010	0.362	0.646	36.15	0.343	0.193	0.053	<0.01	88.18	10
01A 05	6.38	0.04	1.97	0.031	0.007	32.74	0.743	1.35	0.120	0.11	0.010	0.563	0.242	26.66	0.232	0.209	0.065	<0.01	84.62	1
01A 06 01A 07	6.25	0.04	1.70	0.032	0.009	34.86 35.75	0.652	1.31	0.096	0.10	0.013	0.563	0.187	25.86 25.98	0.213	0.228	0.063	<0.01	84.54 84.34	12
71A 08	7.41	0.05	0.97	0.027	0.007	29.66	0.930	1.22	0.065	0.10	0.014	0.425	0.161	35.02	0.319	0.185	0.050	<0.01	86.31	9
01A 09 01A 10	7.19 6.86	0.11	1.70	0.026	0.007	30.83	0.810	1.48	0.089	0.11	0.011	0.566	0.139	31.63 28.89	0.290	0.196	0.057	<0.01	85.56 85.56	10
01A 11	6.17	0.03	2.23	0.024	0.008	34.86	0.589	1.55	0.080	0.10	0.011	0.712	0.257	25.99	0.220	0.201	0.058	<0.01	84.30	13
01A 12	5.73 5.81	0.02	2.59 2.45	0.027	0.007	33.99 32.29	0.466	2.85	0.096	0.10	0.013	0.709	0.173	25.95 27.63	0.178	0.219	0.064	<0.01	84.71	13
IA 14 Lost Core															1					
DIA 16 DIA 17 Lost Core	5.47	0.04	3.34	0.029	0.007	31.74	0.397	2.16	0.108	0.11	0.014	0.762	0.187	26.19	0.153	0.226	0.059	<0.01	85.17	34
21A 18 Lost Core																				
01A 19 01A 20	4.19 5.55	0.04	3.68 4.15	0.015	0.005	29.29 26.48	0.665	2.04	0.204	0.13	0.006	0.643	0.168	25:23 27:94	0.182	0.086	0.031	<0.01	85.68 86.93	15
1A 21	15.97	0.08	0.62	0.021	0.003	3.01	2.936	1.40	800.0	0.47	0.002	0.097	0.415	65.33	0.896	0.048	0.011	<0.01	97,40	6
2A 01	15.65	0.08	0.49 3.75	0.018	0.002	2.87	2.900 1.056	1.35	0.007	0.47	0.001	0.068	0.454	66.27 34.89	0.891	0.047	0.011	<0.01	97.29 88.05	1
12A 02	6.89	0.04	2.26	0.028	0.006	29.52	0.893	1.61	0.119	0.12	0.009	0.595	0.066	30.31	0.279	0.181	0.052	<0.01	86.26	1
2A 03 2A 04	6.40	0.03	2.00	0.028	0.006	33.45 33.15	0.640	1.39	0.096	0.10	0.009	0.401	0.103	26.26	0.198	0.217	0.054	<0.01	83.10	1
2A 05	6.96	0.04	1.85	0.027	0.007	31.34	0.839	1.44	0.102	0.11	0.014	0.602	0.063	25.91 29.35	0.267	0.202	0.052	<0.01	85.31	1
2A 06 Lost Core																				
2A 07 2A 08	7.05	0.08	1.65	0.025	0.006	26.84 26.21	0.941	1.44	0.068	0.11	0.009	0.444	0.193	37.6Z 35.81	0.312	0.163	0.048	<0.01	87,42 87.62	1
ZA 09 Lost Core																A CONTRACT				
2A 10 Lost Core 2A 11 Lost Core																			-	-
2A 12 Lost Core					2															
2A 13 Lost Core	6.27	0.04	2.80	0.022	0.007	29.49	0.740	2.36	0.120	0.11	0.011	0.515	0.133	26.64	0.253	0.163	0.045	<0.01	86.14	
2A 14 2A 15	4.34	0.03	3,75	0.016	0.007	31.39	0.676	1.93	0.174	0.13	0.007	0.734	0.240	23.21	0.180	0.093	0.028	<0.01	85.19	1
2A 16	14.91	0.09	0.50	0.019	0.003	3.39	2.802	1.40	0.013	0.48	0.005	0.087	0.767	67.16	0.869	0.045	0.019	<0.01	98.09	
2A 17 2A 18	15.16	0.09	0.31	0.019	0.003	3.55	2.857	1.45	0.013	0.47	0.004	0.072	0.715	66.60	0.885	0.044	0.015	<0.01	97.87	
3A 01	15.54	0.09	0.37	0.018	0.003	4.32	2.963	1.63	0.013	0.48	0.003	0.063	0.635	64.70	0.872	0.053	0.015	<0.01	97.52	
3A 02 3A 03	14.93 7.33	0.09	0.31	0.017	0.003	5.83 26.51	2.819	1.56	0.011	0.46	0.003	0.052	0.421	63.30 37.81	0.846	0.055	0.015	<0.01	96.60 87.75	
3A 04	8.27	0.09	4.08	0.026	0.006	25.23	1.248	1.17	0.113	0.20	0.007	1.152	0.126	34.75	0.379	0.154	0.044	<0.01	87.06	
3A 05 Lost Core 3A 06	7.51	0.06	5.73	0.025	0.007	24.95	1.081	1.37	0.097	0.15	0.010	0.475	0.258	34.08	0.328	0.163	0.044	<0.01	88.07	-
3A 08	6.89	0.06	3.69	0.025	0.007	29.89	0.908	1.62	0.104	0.15	0.011	0.660	0.316	29.12	0.781	0.178	0.055	<0.01	85.74	1
BA 09 BA 10	6.32	0.04	2.62	0.027	0.007	30.15	0.769	7.06 2.11	0.142	0.13	0.012	0.476	0.178	76.98	0.243	0.178	0.054	<0.01	86.60	1
M 11	6.70	0.04	3.27	0.027	0.006	25.42	0.961	7.22	0.089	0.15	0.011	0.593	0.275	29.12 32.39	0.270	0.195	0.050	<0.01	87.99	1
IA 12 Lost Core		201	201	0.004	- Lane		4.499	242	10.000				7.00	-						
M 14	5.69	0.05	2.87	0.034	0.005	20.97	1.177	2.17 1.85	0.068	0.14	0.040	0.459	0.307	39.75 41.88	0.279	0.148	0.039	<0.01 <0.01	90.06 89.96	1
A 15	6.90	0.08	1.41	0.624	0.004	14.10	1.350	1.26	0.046	0.20	0.007	0.264	0.263	58.84	0.297	0.120	0.026	<0.01	93.04	
IA 16 IA 17	12.52 14.61	0.08	0.72	0.025	0.003	7.66 5.40	2.343	1.44	0.022	0.37	0.004	0.160	0.638	63.19	0.700	0.064	0.017	<0.01	96.39	-
5 02	11.59	0.07	2.34	0.020	0.005	16.80	1.967	1.15	0.055	0.32	0.008	0.530	0.901	46.70	0.566	0.118	0.040	<0.01	91.72	1
5 03	11.53 15.85	0.07	1.59 0.44	0.024	0.005	16.60 4.01	2.044 3.120	1.12	0.057	0.29	0.006	0.228	0.945	48.40 64.96	0.568	0.103	0.035	<0.01	91.95 97.53	-
5 05	15.02	0.10	0.59	0.018	0.003	5.24	2.874	1.33	0.023	0.46	0.002	0.065	0.323	63.60	0.854	0.051	0.025	<0.01	96.83	
5 06	14.30	0.10	0.57	0.018	0.004	9.90	2.639	1.40	0.061	0.39	0.006	0.066	0.180	56.58	0.781	0.056	0.030	<0.01	94.84	1
5 08	9.32	0.04	4.78 2.07	0.023	0.007	21.97 30.04	1.281	1.19	0.170	0.16	0.013	0.542	0.790	34.66 31.37	0.378	0.153	0.074	<0.01	89.01 87.08	1
5 09 Lost Core 5 10	6.45	0.06	2.07	0.030	0.008	33.94	0.705	1.77	0.100	0.11		0.000	2.111	20.00						
5 11	6.60	0.06	1.11	0.035	0.008	35.14	0.666	1.72	0.109	0.11	0.012	0.700	0.177	26.76 26.54	0.228	0.223	0.061	<0.01	84.53 84.48	1
5 12 Lost Core																				
5 13	5.58 6.10	0.03	2.34	0.027	0.008	33.21 36.64	0.594	1.62	0.512	0.09	0.016	0.512	0.058	25.09 25.98	0.196	0.186	0.049	<0.01	84.91	1
5 15 Lost Core																				
5 17 5 18	5.60	0.07	2.18	0.031	0.007	27.89 33.75	0.696	0.97	0.067	0.14	0.009	0.716	0.102	39.37 32.87	0.218	0.159	0.042	<0.01	87.08 85.15	
5 19	6.85	0.03	1.56	0.032	800.0	33.57	0.688	1.55	0.111	0.11	0.011	0.533	0.061	27.19	0.233	0.238	0.066	<0.01	84.94	1
5 20	6.59 6.15	0.03	3.08	0.030	0.007	30.63	0.599	2.37	0.122	0.13	0.014	0.679	0.200	26.75 26.12	0.222	0.215	0.069	<0.01	85.82	1
22	5,23	0.03	2.73	0.041	0.007	32.81	0.381	2.41	0,087	0.10	0.013	0.514	0.225	26.16	0.148	0.224	0.060	<0.01	85.30	1
23	5.78	0.03	3.57 5.27	0.031	0.007	31.77	0.467	2.37 1.96	0.102	0.12	0.022	0.732	0.517	24.62 19.44	0.172	0.220	0.061	<0.01	85,20 84.56	1 1
25	13.32	0.16	1.28	0.018	0.003	5.30	2.408	1.14	0.016	0.45	0.005	0.091	0.978	63.62	0.715	0.045	0.016	<0.01	97.04	
27	12.10	0.08	0.52	0.025	0.004	2.60 3.48	2.289	1.01	0.005	0.41	<0.001	0.062	0.756	69.69 66.29	0.736	0.042	0.010	<0.01	97.85 97.58	- 6
01	15.76	0.09	0.32	0.021	0.003	5.05	3.005	1.66	0.011	0.46	0.004	0.062	0.718	63.88	0.882	0.056	0.016	<0.01	98.06	-
02	14.65 5.94	0.09	0.57 3.00	0.020	0.004	7.58 28.52	2.676 0.843	2.02	0.020	0.40	0.004	0.086 0.268	0.780	60.69 25.64	0.796	0.071	0.020	<0.01	97.02 87.08	1
04	7.41	0.04	1.60	0.031	0.006	28.15	0.921	1.81	0.090	0.12	0.009	0.247	0.178	31.61	0.288	0.126	0.053	<0.01	87.50	3
05	6.43	0.04	1.13	0.032	0.007	30.81	0.781	1.32	0.086	0.11	0.010	0.343	0.053	32.82	0.240	0.211	0.052	<0.01	85.27	1
07	6.35	0.04	1.74	0.030	0.007 0.008	32.40 34.69	0.764	1.40	0.101	0.12	0.010	0.826	0.045	26.59 25.79	0.239	0.204	0.056	<0.01	85.06	1
OB 09	6.62	0.04	1.40	0.029	0.007	33.84 28.50	0.768	1.30	0.104	0.11	0.011	0.484	0.045	27.25	0.238	0.214	0.057	<0.01	85.01	1
10	6.90	0.05	1.76	0.031	0.006	28.50	0.903	1.41	0.096	0.12	0.009	0.598	0.052	35.33 35.97	0.284	0.187	0.045	<0.01	87.20 87.81	1
11	6.55	0.04	2.38	0.029	0.007	30.41	0.719	1.38	0.096	0.13	0.009	0.721	0.052	31.33	0.249	0.205	0.049	<0.01	86.00	1
13	7.15 6.34	0.03	2.00	0.029	0.008	31.12 32.51	0.788	1.56	0.101	0.12	0.011	0.452	0.064	30.56 27.50	0.274	0.208 0.211	0.057	<0.01	86.17 85.33	1
14	5,97 6.11	0.03	2.17 2.41	0.026	0.007	32.86 31.85	0.566	1.69	0.097	0.11	0.010	0.568	0.100	27,32	0.202	0.201	0.054	<0.01	85.20	1
16	5.52	0.02	2.94	0.027	0.007	31.90	0.598	1.86	0.089	0.12	0.012	0.579	0.139	27,43	0.204	0.201	0.055	<0.01	85.28 85.24	1 1
17	5,51	0.06	4.28	0.027	0.006	27.82	0.647	2.06	0.132	0.14	0.011	0.866	0.251	78.68	0.176	0.184	0.054	<0.01	86.48	1
18	5.60	0.04	3.33	0.025	0.006	26.13 21.94	0.769	2.53 1.84	0.115	0.13	0.008	0.444	0.130	24.76 38.80	0.207	0.166 0.131	0.045	<0.01	87.99 89.49	1
20	5.60	0.05	2.51	0.030	0.004	16.43	1.074	1.43	0.072	0.20	0.006	0.496	0.418	51.45	0.246	0.090	0.026	<0.01	91.70	1
21 22	8.94	0.07	2.37 0.33	0.027	0.003	8.49 3.11	1.786 2.779	1.40 1.43	0.037	0.32	0.003	0.520	0.557	61.88	0.487	0.053	0.011	<0.01	95.70	- 8
01	16.05	0.10	0.42	0.020	0.003	4.49	3.101	1.60	0.010	0.46	0.003	0.066	0.660	64,00	0.895	0.055	0.017	<0.01	97.87	- 5
02	14.95	0.09	0.46 2.77	0.019	0.003	6.07	2.827	1.56	0.012	0.43	0.004	0.064	0.793	62.76	0.841	0.061	0.018	<0.01	97.36	
03	6.93 8.22	0.06	2.77	0.026	0.005	22.72	1.045	1.74	0.098	0.15	0.011	0.447	1.126 0.326	35.05 36.09	0.298	0.140	0.038	<0.01	89.19 89.47	1
05	6.40	0.05	4.48	0.026	0.007	28.05	0.847	1.58	0.111	0.14	0.010	1.088	0.056	28.44	0.261	0.159	0.046	<0.01	85.45	1
06	6.69	0.05	3.63	0.029	0.007	30.26 31.25	0.859	1.49	0.115	0.12	0.010	0.532	0.031	29.49	0.267	0.182	0.052	<0.01	86.26 85.50	1
08	6.53	0.04	1.76	0.031	0.007	33.34	0.669	1.44	0.088	0.11	0.010	0.479	0.030	27.28	0.215	0.223	0.056	<0.01	85.26	1
109	6.87	0.05	2.26	0.027	0.007	30.42	0.833	1.55	0.090	0.12	0.010	0.541	0.054	29.53	0.260	0.192	0.054	<0.01	86.59	-1
	6.40	0.04	3.58	0.027	0.006	27.86 24.37	0.826	1.59	0.098	0.12	0.011	0.436	0.219	31.76 34.64	0.276	0.175	0.050	<0.01	87.32 88.06	1
		0.06	4.37	0.023	0.005	28.15	1.064	1.48	0.105	0.16	0.008	1.081	0.286	35.07	0.345	0.118	0.035	<0.01	87.86	1
111	7.03							1.36	0.013	0.17	0.004	0.072	0.581	60.84	0.680	0.057				7
11	7.03 11.59 9.97	0.07	0.75	0.022	0.004	9.67	2.116 1.759	1.39	0.015	0.17	0.004	0.183	0.448	55.50	0.561	0.057	0.016	<0.01	95.19	9

77 17 17 18	6.82 5.81	0.05	2.80 2.95	0.024	0.005	20.92	0.986 0.856	1.83	0.070	0.13	0.007	0.451	0.450	40.21 40.32	0.298	0.141	0.037	<0.01 <0.01	89.97 89.97	14.
7 19 7 20 Lost Core	3.69	0.03	3.57	0.021	0.006	25.90	0.644	2.22	0.149	0.12	0.004	0.495	0.664	29.17	0.164	0.077	0.017	<0.01	87.40	20.
7 21 Lost Core																				
7 23 Lost Core 7 24	9.18	0.05	0.78	0.026	0.004	10.46	1.654	1.23	0.021	0.15	0.005	0.122	0.555	63.05	0.511	0.086	0.023	<0.01	94.73	6.8
7 25	10.96	0.07	0.73	0.033	0.004	9.84	2.005	1.37	0.017	0.17	0.004	0.122	0.517	62.45	0.630	0.065	0.018	<0.01	95.34	6.1
7 26	8.77 5.58	0.06	1.60 2.71	0.022	0.005	15.06 22.31	1.559 0.796	1.57	0.058	0.17	0.004	0.261	0.637	51.41 40.34	0.491	0.059	0.015	<0.01	92.62 89.34	10.
7 28	6.50	0.04	2.73	0.028	0.006	24.87	0.854	1.84	0.088	0.14	0.007	0.543	0.438	35.66 37.77	0.265	0.165	0.042	<0.01	88.93	13.
7 30	5.72	0.05	4.26	0.017	0.005	23.97	0.909	2.23	0.097	0.15	0.006	0.836	0.398	31.65	0.280	0.080	0.022	<0.01	88.21	17.
9 01	14.95	0.10	0.46	0.022	0.003	4.29 7.65	2.828	1.24	0.008	0.49	0.003	0.043	0.251	65.95 62.51	0.868	0.051	0.016	<0.01	97.42 96.01	5.8
9 03	8.24	0.06	1.86 3.23	0.021	0.007	28.48 19.55	1.179	1.10	0.140	0.14	0.013	0.572	0.351	31.52 39.52	0.360	0.159 0.156	0.058	<0.01 <0.01	86.36 89.28	12.
9 05	9.30	0.06	2.29	0.024	0.005	21.22	1.395	1.09	0.098	0.20	0.009	0.533	0.436	40.88	0.399	0.168	0.051	<0.01	89.22 91.59	11.
9 06	7.97	0.06	2.16	0.020	0.006	25.01	1.347	1.17	0.135	0.20	0.007	0.380	0.676	37,34	0.388	0.099	0.035	<0.01	87.64	9.3
9 08	7.94 6.03	0.04	2.40 1.86	0.021	0.006	24.96 37.11	1.365 0.647	1.13	0.133	0.16	0.006	0.447	0.675	37.35 23.68	0.381	0.098	0.034	<0.01	87.10 83.03	10.
9 10 9 11 Lost Core	5.90	0.04	1.66	0.032	0.009	37.67	0.551	1.16	0.093	0.10	0.011	0.700	0.060	23.84	0.187	0.248	0.061	<0.01	82.96	10
9 12 9 13	6.21	0.04	1.54	0.031	0.009	36.88 36.67	0.621	1.15	0.094	0.11	0.013	0.645	0.112 0.058	24.88 25.63	0.212	0.236 0.226	0.067	<0.01	83.81 83.78	10.
9 14	6.24	0.04	1.96	0.030	0.008	37.27	0.613	1.18	0.082	0.10	0.011	0.751	0.132	23.80	0.215	0.222	0.062	<0.01	83.38	10.
9 15 9 16	5.80	0.03	1.94	0.031	0.009	37.52	0.522	1.30	0.103	0.10	0.013	0.774	0.062	21.78	0.183	0.225	0.064	<0.01	82.82 82.32	12.
9 17 9 18	5.11	0.04	3.39 2.34	0.032	0.007	33.35	0.386	0.99	0.102	0.12	0.012	0.870	0.230	23.85 36.15	0.122	0.241	0.074	<0.01	83.52	9.0
9 19	5.14	0.04	2.08	0.030	0.007	33.85	0.592	1.03	0.078	0.23	0.010	0.551	0.363	30.09	0.171	0.212	0.054	<0.01	84.45	9.9
9 20 9 21	4.12 5.30	0.04	3.30 5.12	0.016	0.008	33.95 19.70	0.679	2.45 1.64	0.249	0.08	0.007	0.371	0.407 1.295	17.08 40.85	0.187	0.078	0.024	<0.01	84.65 89.59	21.
9 22 9 23	8.11	0.05	2.78	0.030	0.004	17.38 5.57	0.968 1.702	0.81	0.119	0.17	<0.001	0.242	1.445 0.585	49.27 72.63	0.229	0.101	0.037	<0.01 <0.01	91.79	11. 5.8
9 24 9 25	7.17	0.10	11.55	0.035	0.003	5.41 4.00	1.370 2.589	0.73	0.022	0.34	0.004 <0.001	2.151 0.263	3.406 1.163	50.80 64.25	0.374	0.040	0.011	<0.01	92.52 97.13	9.0
9 26	12.20	0.08	0.24	0.021	0.002	4.19	2.454	1.05	0.006	0.45	<0.001	0.150	0.507	69.16	0.708	0.038	0.006	<0.01	97.05	5.7
0 01 0 02	13.49	0.07	0.59	0.024	0.003	8.10 13.84	2.387	1.53	0.018	0.43	0.006	0.091 0.165	0.793	60.83 49.68	0.747	0.085 0.104	0.023	<0.01	96.12 93.41	6.5
0 03 0 04 Lost Core	7.10	0.05	3.22	0.019	0.006	25.38	1.180	2.12	0.136	0.21	0.003	0.730	0.297	30.93	0.339	0.105	0.026	<0.01	87.88	16.
0 05	5.77 6.07	0.04	2.76 3.35	0.017	0.007	30.25	0.895	1.72 2.11	0.185	0.13	0.005	0.304	0.138 0.149	26.09 25.08	0.265	0.114	0.031	<0.01	86.29 86.58	17
0 07	6.87	0.05	6.74	0.023	0.006	24.27	0.963	1.83	0.104	0.15	0.009	1.455	0.160	28.20	0.287	0.162	0.048	<0.01	87.31	15.
0 08	5.67 7.48	0.03	5.92 1.65	0.030	0.007	31.07	0.591	1.19	0.107	0.14	0.010	1.690 0.520	0.054	24.72 30.96	0.189	0.226	0.048	<0.01 <0.01	83.78 85.80	11.
0 10 Lost Core 0 11 Lost Core																				
0 12	11.31	0.07	5.79	0.025	0.003	4.31	2.078	1.82	0.033	0.58	0.002	0.080	1.043	59.12	0.593	0.033	0.012	<0.01	95.71	8.1
0 13 0 14	14.53	0.10	7.59	0.020	0.004	4.89 6.00	2,709	1.59	0.016	0.49	0.004	0.093	1.164	62.02 51.27	0.807	0.052 0.048	0.015	<0.01	96.90 94.23	10.
0 15	5.54	0.05	2.68	0.027	0.007	32.18 37.93	0.800	1.35	0.100	0.14	0.011	0.731	0.258	25.97 22.84	0.258	0.191	0.066	<0.01	84.70 82.59	13.
0 17 0 18	5.28 4.76	0.04	2.36	0.032	800.0	37.43 36.33	0.422	1.38	0.098	0.10	0.013	0:782	0.131	20.34	0.144	0.229	0.063	<0.01	82.54 82.65	13.
0 19	4.94	0.03	1.71	0.031	0.009	37.42	0.381	1.44	0.086	0.09	0.013	0.566	0.112	22.22	0.118	0.234	0.063	<0.01	83.21	13.
0 20	4.76	0.03	2.93	0.033	0.008	34.25 25.94	0.407	2.14	0.099	0.12	0.013	0.745	0.361	23.30 29.38	0.113	0.227	0.066	<0.01	83.89 86.96	14
0 22	6.38 5.04	0.05	2.71	0.029	0.004	14.51 22.19	1.085 0.826	0.97 1.60	0.044	0.20	0.006	0.443	1.361	54.79 40.26	0.262	0.105	0.030	<0.01	92.98 89.46	10.
0.24 0.25	4.96 6.02	0.04	3.06	0.025	0.006	23.53	0.760	1.54 0.83	0.168	0.14	0.008	0.359	1.434 2.411	38.17 48.17	0.185	0.109	0.037	<0.01	89.33 92.14	14.
0 26	5.93	0.06	2.89	0.032	0.003	11/79	1.099	0.94	0.067	0.20	0.004	0.735	1.511	58.46	0.264	0.051	0.020	<0.01	94.13	10.
0 27	7.92 9.89	0.07	2.44 1.44	0.035	0.003	4,77 3.65	1.569	0.77	0.005	0.31	<0.001	0.395	1.386	69.21 69.99	0.427	0.054	0.009	<0.01	97.06	7.3
0 29	12.78	0.08	0.29	0.022	0.003	2.80 4.85	2.452 2.930	1.07	0.006	0.51	<0.001	0.071	0.576	71.12 63.61	0.756	0.043	0.006	<0.01	97.98 96.87	5.4
1 02	13.44	0.08	0.82	0.020	0.004	9.59	2.518	1.71	0.030	0.39	0.005	0.121	0.755	56.37	0.733	0.065	0.019	<0.01	95.25	8.5
1 03 Lost Core 1 04	5.09	0.04	4.90	0.017	0.006	28.33	0.719	2.42	0,137	0.09	0,006	0.262	0.248	22.48	0.202	0.119	0.032	<0.01	87.14	22.
1 05	5.98 6.13	0.04	5.56 7.53	0.019	0.005	26.56 27.37	0.856	2.31	0.106	0.11	0.006	0.532 1.992	0.168	24.74	0.261	0.119	0.034	<0.01	87.33 84.98	19.
1 07	6.32	0.04	3.00 1.65	0.031	0.009	34.36 34.24	0.689	1.21	0.087	0.15	0.011	1.006 0.590	0.047	24.09 26.55	0.218	0.218	0.063	<0.01 <0.01	83.79 84.42	12.
1 09	7.15	0.05	3.21	0.027	0.007	29.12	0.934	1.21	0.101	0.15	0.009	1.050	0.046	31.24	0.311	0.177	0.053	<0.01	86.28	112
1 10	6.65	0.05	2.76	0.027	0.007	31.82 34.31	0.754	1.35	0.120	0.14	0.011	0.822	0.051	27.51 25.86	0.252	0.189	0.056	<0.01	85.00 84.69	12
1 13	5.70	0.04	2.01 1.72	0.030	0.008	34.48 34.95	0.567 0.510	1.53	0.089	0.12	0.012	0.602	0.077	25.79 25.98	0.198	0.218	0.057	<0.01	84.58 84.43	12
1 15	5.47 5.17	0.03	2.13	0.027	0.008	36.13 36.59	0.484	1.52	0.085	0.15	0.012	0.640	0.085	23.78	0.160	0.218	0.067	<0.01	84.14	13
1 17	5.05	0.04	2.35	0.033	0.010	35.01	0.419	1.68	0.085	0.13	0.015	0.601	0.164	25.11	0.126	0.230	0.062	< 0.01	84.47	13.
1 18	4.85	0.04	3.73	0.028	0.007	34.14 32.13	0.495	1.79	0.116	0.13	0.012	0,648	0.201	23.09	0.124	0.205	0.061	<0.01 <0.01	84.10 85.17	15
2 01	15.02	0.12	2.63 1.04	0.019	0.004	9.17	2.872	1.56 1.56	0.013	0.48	0.003	0.593	0.817 1.082	60.85 58.27	0.835	0.052	0.015	<0.01	96.72 96.08	8.
2 03	7.62	0.06	2.46	0.027	0.007	23.78 23.80	0.986	1.95 2.04	0.118	0.16	0.008	0.306	0.557	34.34	0.288	0.139	0.038	<0.01	88.80 89.18	17.
2.05	6,95	0.05	2.82	0.027	0.007	28.25	0.921	1.57	0.100	0.15	0.011	0.741	0.077	31.99	0.282	0.178	0.052	<0.01	87.02	12
106	6.11	0.04	2.30 1.59	0.027	0.008	33.01 34.64	0.665	1.37	0.102	0.14	0.010	0.674	0.042	26.79 25.61	0.216	0.212 0.218	0.056	<0.01	84.98 84.48	13
08	6.69	0.04	3.73 1.96	0.028	0.008	31.73 31.23	0.788	1.37	0.092	0.16	0.011	1.033	0.060	27.37 30.23	0.258	0.205	0.065	<0.01	85.18 85.97	12
10	7.42	0.07	1.38	0.028	0.006	23.02 21.14	1.035	1.35	0.074	0.14	0.012	0.345	0.094	43.99 42.36	0.339	0.162	0.048	<0.01 <0.01	89.90 90.21	10
12	6.60	0.05	2.64	0.027	0.008	30.26	0.737	1.50	0.112	0.15	0.010	0.760	0.075	30.19	0.251	0.193	0.057	<0.01	86.26	12
13	6.75	0.07	2.78	0.028	0.007	30.43 29.28	0.743	1.61	0.092	0.15	0.012	0.778	0.085	29.29 30.90	0.256	0.190	0.056	<0.01	85.98 86.61	13
15	6.06 5.91	0.07	2.87 2.53	0.026	0.007	30.54 31.38	0.645 0.577	1.69	0.112	0.13	0.011	0.732	0.104	29.06 28.01	0.228	0.178	0.052	<0.01	85.86 85.64	13
17	5.80	0.04	2.96	0.032	0.007	30.57	0.569	1.74	0.102	0.13	0.010	0.772	0.167	29.17	0.195	0.202	0.056	<0.01	85.72	13
18	4.41	0.04	3.94	0.029	0.007	29.48 28.07	0.607	2.04	0.340	0.12	0.009	0.613	0.212	25.62 25.25	0.158	0.136	0.049	<0.01 <0.01	86.25 86.94	20
20	6.07 4.18	0.04	3.95	0.025	0.005	21.77 17.91	0.836	1.50	0.058	0.15	0.007	0.627	0.847 1.613	35.85 44.59	0.212	0.194	0.051	<0.01	90.25	18
01	15.14	0.10	0.34	0.022	0.003	4.32 6.96	2.927	1.56	0.012	0.50	0.004	0.055	0.661	65.49 61.28	0.882	0.054	0.016	<0.01	97.77	5.
102	14.96 6.74	0.08	4.26	0.023	0.005	23.69	1.056	1.38	0.103	0.21	0.005	0.861	0.087	36.08	0.312	0.131	0.033	<0.01	88.78	13
105	7.30	0.06	2.19 3.85	0.028	0.005	22.79 24.36	1.273	1.86	0.089	0.16	800.0	0.249	0.100	37.92 35.12	0.380	0.174	0.050	<0.01	90.44 88.81	14
3 06	7.32	0.06	2.47	0.027	0.006	26.68	1.034	1.61	0.083	0.14	8.008	0.348	0.061	36.00	0.311	0.183	0.048	<0.01	88.70	12
3 07	6.55	0.06	3.40	0.024	0.007	29.85 29.77	0.863	1.73	0.124	0.16	0.011	0.677	0.725	28.13 26.92	0.261	0.175	0.053	<0.01	86.84 86.84	14
1 08		0.04	2.71	0.022	0.006	31.31	0.761	1.98	0.131	0.13	0.011	0.355	0,464	26.52 32.31	0.228	0.192	0.054	<0.01	86.57	15
1 08 3 09 3 10	6.11	0.04	3.78	0.025																
09	6.11 4.61 9.21	0.04 0.05 0.06	3.28 2.84 1.15	0.025 0.019 0.032	0.005	24.88	0.951 2.104	2.56 1.45	0.117	0.12	0.004	0.246	0.291	32.91 63.97	0.201	0.092	0.021	<0.01 <0.01	88.98 95.59	19.

15 02 15 03	7.64 6.44	0.06	1.49	0.024	0.007	30.85 35.43	1.052 0.709	1.31	0.085	0.14	0.008	0.466	0.046	31.65 25.46	0.341	0.198	0.048 <0.0 0.058 <0.0	1 85.76 1 1 85.10 1
15 04	5.91	0.05	1.57	0.031	0.008	37.94	0.547	1.15	0.100	0.13	0.011	0.600	0.035	23.01	0.186	0.254	0.067 <0.0	
15 05 15 06	5.80	0.05	160	0.028	0.008	37.27 37.16	0.517	1.08	0.079	0.11	0.013	0.611	0.032	23.60	0.190	0.238	0.060 <0.0	
15 07	6.12	0.04	1.75	0.029	0.008	37.83	0.525	1.15	0.092	0.12	0.011	0.654	0.026	24.22	0.214	0.238	0.060 <0.0	
15 08	5.74	0.03	1.89	0.026	0.006	36.61	0.554	1.26	0.082	0.11	0.010	0.662	0.038	21.67	0.184	0.217	0.061 <0.0	1 82.24 1
15 09 15 10	5.48 4.99	0.03	1.74	0.028	0.008	38.81	0.448	1.33	0.081	0.10	0.011	0.693	0.049	21.22	0.155	0.241	0.065 <0.0	
15 11	4.91	0.03	1.95	0.028	0.008	38.46	0.383	1.34	0.076	0.11	0.011	0.699	0.065	22.71	0.119	0.248	0.067 <0.0	1 83.37 1.
15 12	4,70°	0.02	2.35	0.026	0.006	34.74	0.425	1.66	0.114	0.10	0.009	0.580	0.127	23.92	0.114	0.217	0.056 40.0	
15 13 15 14	6.09	0.05	2.73	0.024	0.006	27.84	0.714	2.15	0.093	0.12	0.009	0.447	0.268	32.81 41.76	0.192	0.186	0.055 <0.0	
15 15	5.48	0.04	3.13	0.022	0.004	21.51	0.915	1.90	0.169	0.15	0.008	0.276	1.111	41.19	0.230	0.110	0.033 <0.0	
15 16 15 17	6.63	0.05	4.73 2.12	0.034	0.003	13.04 6.07	1.040	0.90	0.152	0.20	<0.0013	0.290	2.284 1.511	71.41	0.247	0.084	0.038 <0.0 0.012 <0.0	
15 18	11.81	0.09	2.12	0.036	0.002	3.87	2.395	1.02	0.007	0.50	<0.001	0.243	1.430	65.61	0.737	0.056	0.012 <0.0	
15 19	13.63	0.09	1.51	0.019	0.005	4.42	2.683	1.15	0.006	0.49	<0.001	0.131	1.291	64.33	0.795	0.048	0.007 <0.0	1 98.03 7
16 01 16 02	9.50	0.09	0.50	0.028	0.004	11.48 5.90	1.795 2.880	1.63	0.049	0.43	0.003	0.279	0.904	54.90 61.79	0.495	0.066	0.018 <0.0	
16 03	7.29	0.05	4.46	0.023	0.005	24.55	1.124	2.17	0.015	0.16	0.007	0.560	0.279	29.52	0.343	0.149	0.040 <0.0	
16 04	6.47	0.05	2.12	0.027	0.007	32.80	0.779	1.58	0,096	0.13	0.009	0.567	0.054	25.70	0.242	0.211	0.054 <0.0	
16 05 16 06	5.65 5.74	0.05	1.79	0.030	800.0	36.73 37.30	0.596	1.25	0.110	0.11	0.010	0.593	0.037	22.29	0.184	0.233	0.063 <0.0	
16 07	6.63	0.04	1.59	0.029	0.007	33.61	0.753	1.71	0.102	0.12	0.010	0.537	0.044	26.57	0.242	0.214	0.071 <0.0	1 84.44 1
16 08 16 09	6.53	0.04	1.65	0.029	0.007	34.37	0.712	1.25	0.081	0.12	0.011	0.555	0.034	25.63	0.247	0.210	0.055 40.0	
16 10	6.02	0.04	2.28	0.030	0.007	34.70	0.686	1.35	0.085	0.13	0.011	0.720	0.051	23.98	0.231	0.206	0.062 <0.0 0.058 <0.0	
16 11	5.48	0.03	2.08	0.030	0.008	37.25	0.456	1.42	0.074	0.11	0.012	0.656	0.090	21.58	0.155	0.230	0.061 <0.0	1 82.56 1
16 12	4.74	0.03	2.50	0.030	0.008	38.94	0.318	1.35	0.084	0.09	0.011	0.589	0.134	20.89	0.113	0.240	0.063 <0.0	
16 13 16 14	4.68	0.03	3.10	0.030	0.008	34.19	0.399	1.76	0.101	0.10	0.012	0.732	0.250	21.07 23.48	0.102	0.216	0.059 <0.0	
16 15	5.25	0.04	3.41	0.023	0.006	27.31	0.747	2.52	0.098	0.13	0.008	0.478	1.052	27.83	0.197	0.143	0.045 <0.0	1 86.69 1
16 16 16 17	5.14	0.04	5.52	0.036	0.003	11.25	0.879	1.48	0.077	0.16	0.004	0.400	2.156 0.845	56.42 41.84	0.191	0.062	0.014 <0.0 0.033 <0.0	
16 18	6.10	0.05	1.53	0.045	0.003	12.63	1.139	1.33	0.101	0.15	0.005	0.400	2.149	60.26	0.195	0.122	0.030 <0.0	
16 19	6.02	0.07	1.68	0.048	0.003	7.89	1.256	1.07	0.045	0.23	0.003	0.194	1.107	68.30	0.295	0.070	0.018 <0.0	
17 01 17 02	12.49	0.09	0.38	0.026	0.004	9.89 6.92	2.306	1.63	0.035	0.40	0.004	0.140	0.661	57.07	0.673	0.081	0.019 <0.0 0.017 <0.0	
17 03	5.91	0.04	4.82	0.021	0.006	26.38	0.896	2.29	0.125	0.13	0.008	0.439	0.588	26.05	0.262	0.125	0.039 <0.0	1 86.77 11
17 04	7.14	0.05	2.51	0.030	0.006	29.50	0.943	1.65	0.082	0.13	0.011	0.648	0.099	29.69	0.289	0.202	0.058 <0.0	
17 05 17 06	5.77	0.05	2.80	0.031	0.007	32.74 35.82	0.786	1.33	0.090	0.17	0.010	0.861	0.040	25.90	0.240	0.211	0.064 <0.0	
17 07	6.24	0.04	1.64	0.035	0.008	35.60	0.635	1.16	0.081	0.17	0.012	0.621	0.139	25.39	0.205	0.239	0.055 <0.0	1 83.85 11
17 08 17 09	6.89 7.32	0.05	2.31	0.030	0.007	32.32	0.843	1.70	0.095	0.11	0.010	0.790	0.057	27.47	0.266	0.208	0.063 <0.0	
17 10	6.49	0.05	2.22	0.028	0.006	29.97 32.55	0.977	1.24	0.092	0.14	0.010	0.749	0.040	24.99	0.314	0.188	0.056 <0.0	
17 11	6.34	0.03	2.28	0.025	0.005	33.85	0.664	1.70	0.098	0.14	0.013	0.559	0.242	23.71	0.239	0.191	0.054 <0.0	1 84.74 14
17 12	5.76	0.03	2.26	0.030	0.005	34.88 36.75	0.504	1.76	0.081	0.14	0.011	0.568	0.325	23.89	0.186	0.214	0.056 <0.0 0.054 <0.0	
17 14	5.22	0.02	1.70	0.032	0.005	36.75	0.429	1.51	0.081	0.13	0.010	0.736	0.088	24.71	0.132	0.226	0.062 <0.0	1 83.57 17
17 15	5.00	0.03	2.79	0.079	0.005	35.77	0.410	1.67	0.082	0.15	0.010	0.762	0.128	22.95	0.138	0.224	0.057 <0.0	
7 16	5.10	0.06	5:52 3.98	0.032	0.004	32.26 29.89	0.439	2.72	0.074	0.22	0.011	0.687	0.175	23.36	0.138	0.241	0.061 <0.0 0.051 <0.0	
17 18	5.50	0.05	2.04	0.031	0.003	16.51	0.986	1.60	0.062	0.21	0.003	0.270	2.010	53.23	0.254	0.095	0.025 <0.0	
17 19	5.37	0.04	1.99	0.043	0.003	21.48	0.839	1.44	0.067	0.18	0.006	0.361	0.870	45.69	0.722	0.129	0.033 <0.0	
17 20	10.59	0.06	0.61	0.031	<0.002	11.87 6.28	1.189	1.41	0.059	0.23	<0.002	0.187	0.928	60.79	0.307	0.071	0.016 <0.0	
18 01	14.90	0.09	0.46	0.018	0.001	6.39	2.759	1.60	0.020	0.45	0.002	0.065	0.759	61.12	0.810	0.057	0.015 0.01	96.52 6
LS 02 LS 03	7.82 6.70	0.05 0.04	3.83	0.021	0.002	19.78 27.56	0.884	1.78	0.096	0.22	0.003	0.342	0.853	37.12 29.59	0.389	0.098	0.026 <0.0	
18 04	7.01	0.04	2.17	0.025	0.004	29.03	0.935	1.85	0.094	0.14	0.007	0.340	0.833	28.49	0.303	0.173	0.047 <0.0	
18 05	6.04	0.04	1.52	0.027	0.005	33.56	0.683	1.42	0.121	0.11	0.008	0.361	0.059	26.71	0.722	0.211	0.046 <0.0	85.12 13
18 06	6.16 7.09	0.04	1.51	0.033	0.007	34.74	0.702	1.23	0.095	0.11	0.010	0.488	0.041	25.01 29.76	0.231	0.222	0.057 <0.01	
18 08	7.28	0.04	1.90	0.029	0.004	28.06	0.956	1.21	0.080	0.13	0.009	0.596	0.057	35.11	0.322	0.207	0.044 <0.0	
18 09	6.91	0.04	1.39	0.026	0.004	31.27	0.808	1.34	0.092	0.13	0.009	0.425	0.071	30.82	0.275	0.195	0.050 <0.0	
18 10	6.80	0.04	2.00	0.025	0,004	31.91 32.76	0.778	1.49	0.122	0.13	0.010	0.537	0.057	27.28 26.49	0.263	0.185	0.051 <0.01	
18 12	5.97	0.03	2.09	0.024	0.004	33.59	0.576	1.58	0.107	0.12	0.009	0.575	0.150	25.85	0.204	0.198	0.052 <0.01	84.44 13
18 13	5.65	0.03	2.34	0.027	0.005	34.43 34.93	0,499	1.60	0.101	0.12	0.011	0.643	0.111	24.94	0.181	0.206	0.054 <0.01	
18 15	4.84	0.03	2.72	0.029	0.004	34.72	0.394	1.57	0.103	0.11	0.011	0.686	0.120	24.85	0.162	0.213	0.050 <0.01	
18 16	5.03	0.03	2.81	0.027	0.004	32.54	0.449	1.88	0.110	0.13	0.010	0.640	0.283	25.87	0.143	0.211	0.053 <0.01	
8 17	4.22	0.03	5.02 3.45	0.019	0.003	30.80 31.08	0.473	2.16	0.119	0.13	0.023	0.787	1.317	20.99	0.137	0.150	0.044 <0.01	
18 19	5.09	0.04	2.19	0.034	0.002	18.12	0.884	0.91	0.067	0.17	0.005	0.328	1.214	51.99	0.211	0.100	0.030 <0.01	
18 20	5.39	0.05	1.53	0.041	0.002	10.26	1.130	0.92	0.052	0.28	0.001	0.185	0.748	65.65	0.280	0.054	0.015 <0.01	
18 21 18 22	7.25	0.06	1.15	0.042	0.003	4.39 3.91	1.543 2.114	0.79	0.004	0.35	<0.001	0.096	0.535	75.72 69.04	0.422	0.048	0.007 <0.01 0.006 <0.01	
19 01	15.17	0.10	0.53	0.024	0.001	3.53	2.842	1.26	0.006	0.44	< 0.001	0.056	0.307	66.57	0.819	0.050	0.008 <0.01	95.04 5.
19 02	14.92	0.11	0.57	0.022	0.002	4.57	2.819	1.26	0.007	0.81	<0.001	0.054	0.269	64.68	0.843	0.056	0.008 <0.01	
19 03	7,88	0.05	3.90	0.029	0.003	22.91	1.217	0.61	0.053	0.18	0.004	0.439	0.878	40.88 35.66	0.362	0.141	0.036 <0.01	
9 05	8.18	0.05	2.33	0.030	0.006	28.33	0.989	0.82	0.076	0.45	0.011	0.487	0.762	32.46	0.294	0.170	0.052 <0.01	85.16 11
9 06	7.04	0.04	3.52	0.031	0.005	31.52	0.873	0.82	0.058	0.13	0.014	1.054	0.550	28.00	0.288	0.189	0.051 <0.01	84.99 10
9 08															Lane of			A PERSON NAMED IN
19 09 19 10	7.49	0.05	3.64	0.031	0.004	26.02	0.948	1.05	0.072	0.17	0.010	1.132	0.099	35.75	0.317	0.168	0.047 0.01	86.78 9.
9 11					-												-	
9 12	6.79	0.04	2.20	0.024	0.003	25.98	0.873	1.61	0.130	0.13	0.007	0.471	0.082	35.17	0,298	0.155	0.038 <0.01	
9 13 9 14	6.59	0.05	1.91	0.039	0.003	24.04	0.917	1.49	0.111	0.12	0.005	0.351	0.137	39.39	0.310	0.132	0.034 =0.01	88.83 13
19 15	6.30	0.06	2.79	0.027	0.006	27.75	0.777	1.79	0.111	0.14	0.011	0.656	0.244	32.55	0.279	0.159	0.059 <0.01	
9 16	6.85	0.07	3.67	0.025	0.003	27.67	0.805	1.59	0.093	0.17	0.007	1.062	0.185	31.20	0.278	0.177	0.055 <0.01	85.80 11
9 18	5,43	0.04	2.90	0.026	0.003	22.06	0.862	1.30	0.133	0.23	0.005	0.379	0.977	42.00	0.240	0.093	0.028 <0.0)	89.03 12
9 19	4.56	0.04	2.71	0.042	0.001	11.89	0.888	1.32	0.065	0.25	<0.001	0.144	0.467	62.37	0.216	0.044	0.011 <0.01	93.65 9.
9 20 9 21	5.57	0.06	0.70	0.050	<0.001	7.03	1.235	0.66	0.015	0.22	<0.001	0.122	0.452	73.94 80.02	0.284	0.050	0.012 <0.01	
222	13.71	0.08	0.51	0.030	<0.001	2.99	2.595	1.22	0.006	0.50	<0.001	0.109	0.472	68.41	0.785	0.042	0.004 <0.01	
0A 01	7.18	0.04	2.46	0.026	0.004	28.98	0.995	1.77	0.099	0.17	0.010	0.508	0.207	27.96	0.317	0.149	0.041 <0.01	
A 02	7.38 8.39	0.05	2.22	0.019	0.003	30.53 25.72	1.024	1.46	0.094	0.14	0.005	0.449	0.050	29.16 35.28	0.307	0.177	0.041 <0.01	
0A 04	6.07	0.04	2.09	0.021	0.005	33.75	0.673	1.58	0.107	0.16	0.004	0.436	0.065	24.51	0.361	0.204	0.049 <0.01	
DA 05	5.85	0.03	1.85	0.031	0.005	36.96	0.534	1.08	0.090	0.14	0.010	088.0	0.030	23.59	0.193	0.243	0.063 <0.01	83.36 11
A 06	6.21	0.03	2.38	0.028	0.005	37.33 37.26	0.582	1.09	0.082	0.13	0.009	0.608	0.027	23.51	0.198	0.232	0.058 <0.01	
3A 08	6.02	0.04	3.13	0.025	0.004	29.09	0.632	1.58	0.084	0.18	0.005	0.561	0.108	31.34	0.201	0.225	0.071 <0.01	86.60 13
0A 09	5.33	0.01	1.88	0.031	0.006	38.87	0.354	1.32	0.073	0.11	0.008	0.634	0.053	21.63	0.122	0.252	0.062 <0.01	82.74 11
0A 10 0A 11	5.11	0.03	2.61	0.026	0.005	37.85 36.13	0.391	1.73	0.091	0.12	0.010	0.796	0.134	20.13	0.125	0.220	0.070 <0.01 0.058 <0.01	
DA 12	5.58	0.04	3.54	0.024	0.003	26.73	0.363	1.84	0.105	0.14	0.007	0.555	0.795	32.33	0.109	0.175	0.056 <0.01	
0A 13	5.49	0.04	2.87	0.025	0.003	24.13	0.806	1.62	0.120	0.12	0.008	0.342	0.867	38.03	0.197	0.138	0.040 <0.01	
0A 14 0A 15	6.01	0.05	2.90	0.024	0.002	20.50 17.49	0.917	1.69	0.103	0.15	0.004	0.311	1.026	42.63	0.233	0.118	0.036 <0.01	
0A 16	5.55	0.06	3.30	0.036	<0.001	12.45	1.014	0.71	0.021	0.25	<0.001	0.579	1.165	59.00	0.228	0.083	0.018 <0.01	93.29 8.
QA 17	6.60	0.06	4.37	0.035	<0.001	7.86	1.293	0.75	0.018	0.34	<0.001	1.123	1.293	62.45	0.344	0.063	0.009 <0.01	
0A 19 0A 20	13.32	0.09	3.50	0.024	<0.001	3.93 5.26	2.567	1.13	0.005	0.53	<0.001	0.154	0.755	67.30	0.805	0.046	0.003 0.01	
		0.00	3.07	0.019	0.001	13.86	1.839	1.42	0.037	0.34	0.002	0.563	0.209	49.87	0.532	0.037	0.025 <0.01	

| SW 21R 02 | 10.32 | 0.07 | 2.54 | 0.025
 | 0.002 | 12.77 | 1.811
 | 1.72 | 0.059 | 0.63 | 0.002
 | 0.198 | 0.323 | 51.82 | 0.469
 | 0.088 | 0.023 | <0.01
 | 93.29 | 10,43 |
|--|--|--|---
---	--	---
--	---	--
---	---	---
---	---	---
---	--	
SW 21R 03	E.84	0.05
 | 0.003 | 26.64 | 1.027
 | 2.14 | 0.126 | 0.13 | 0.002
 | 0.299 | 0.097 | 29.22 | 0.302
 | 0.126 | 0.030 | < 0.01
 | 87.79 | 18.34 |
| SW 21R 04
SW 21R 05 | 8.40
6.34 | 0.05 | 2.87 | 0.022
 | 0.003 | 27.30
36.64 | 0.665
 | 1.36 | 0.071 | 0.16 | 0.005
 | 0.806 | 0.053 | 32.96
24.83 | 0.362
 | 0.187 | 0.044 | <0.01
 | 86.85
83.61 | 11.02 |
| SW 21R 06 | 5.81 | 0.04 | 2.21 | 0.029
 | 0.005 | 37.49 | 0.529
 | 1.16 | 0.095 | 0.12 | 0.008
 | 0.750 | 0.029 | 21.80 | 0.177
 | 0.241 | 0.061 | <0.01
 | 82.93 | 12.39 |
| SW 21R 07
SW 21R 08 | 7.11 | 0.04 | 2.69 | 0.029
 | 0.005 | 35.81 | 0.589
 | 1.30 | 0.075 | 0.14 | 0.009
 | 0.874 | 0.030 | 22.50 | 0.196
 | 0.241 | 0.057 | <0.01
 | 83.30 | 12.29 |
| SW 21R 09 | 6.40 | 0.03 | 3.46 | 0.026
 | 0.005 | 32.12 | 0.745
 | 1.62 | 0.085 | 0.23 | 0,008
 | 0.613 | 0.183 | 25.50 | 0.231
 | 0.184 | 0.052 | <0.01
 | 85.04 | 13.95 |
| SW 21R 10
SW 21R 11 | 5.88 | 0.04 | 2.33 | 0.026
 | 0.005 | 35.35
37.26 | 0.596
 | 1.46 | 0.087 | 0.13 | 0.008
 | 0.605 | 0.130 | 22.33 | 0.197
 | 0.200 | 0.055 | <0.01
<0.01
 | 83.72 | 13.32 |
| 5W 21R 12 | 4.92 | 0.04 | 2.61 | 0.028
 | 0.005 | 38.50 | 0.355
 | 1.35 | 0.085 | 0.12 | 0.010
 | 0.837 | 0.155 | 19.76 | 0.114
 | 0.230 | 0.062 | <0.01
 | 82.29 | 13.13 |
| SW 21R 13
SW 21R 14 | 4.92
5.49 | 0.03 | 3.25 | 0.027
 | 0.005 | 37.98
29.26 | 0.362
 | 1.47 | 0.083 | 0.12 | 0.010
 | 0.613 | 0.128 | 21.47
31.24 | 0.111
 | 0.233 | 0.063 | <0.01
 | 82.89
85.44 | 13.26 |
| SW 21R 15 | 5.73 | 0.04 | 3.55 | 0.022
 | 0.003 | 27.69 | 0.691
 | 1.82 | 0.109 | 0.12 | 0.007
 | 0.373 | 1.066 | 28.65 | 0.178
 | 0.142 | 0.049 | <0.01
 | 86.72 | 16.50 |
| SW 21R 16
SW 21R 17 | 5.59
6.68 | 0.04 | 4.73
3.85 | 0.027
 | <0.002 | 20.43 | 1.205
 | 1.50
0.68 | 0.151 | 0.17 | 0.005
 | 0.441 | 1.766 | 39.66
60.39 | 0.181
 | 0.112 | 0.040 | <0.01
 | 94.13 | 13.79
8.36 |
| SW 21R 18 | 13.46 | 0.07 | 0.87 | 0.024
 | <0.001 | 3.72 | 2.543
 | 1.11 | 0.006 | 0.58 | <0.001
 | 0.110 | 0.848 | 66.19 | 0.771
 | 0.047 | 0.004 | <0.01
 | 97.14 | 6.78 |
| SW 21R 19
SW 22 01 | 13.01 | 0.08 | 0.81 | 0.023
 | 0.001 | 3.93 | 3.037
 | 1.10 | 0.007 | 0.51 | <0.001
 | 0.079 | 0.701 | 68.09 | 0.814
 | 0.045 | 0.004 | 0.01
 | 96.80
96.85 | 5.94 |
| SW 22 02 | 14.73 | 0.09 | 0.50 | 0.023
 | 0.004 | 6.01 | 2.648
 | 1.30 | 0.011 | 0.45 | 0.003
 | 0.072 | 0.303 | 63.97 | 0.768
 | 0.077 | 0.021 | 0.02
 | 97.04 | 6.04 |
| 5W 22 03
5W 22 04 | 9.74 | 0.04 | 1.12 | 0.023
 | 0.003 | 24.38
19.05 | 1.426
 | 1.07 | 0.077 | 0.24 | 0.005
 | 0.311 | 0.639 | 38.72
44.93 | 0.418
 | 0.138 | 0.041 | <0.01
<0.01
 | 88.26
90.33 | 9.88 |
| SW 22 05 | 13.50 | 0.09 | 0.66 | 0.027
 | 0.003 | 5.80 | 2.679
 | 1.28 | 0.018 | 0.44 | 0.004
 | 0.094 | 0.359 | 64.94 | 0.778
 | 0.066 | 0.019 | 0.02
 | 96.57 | 5.79 |
| SW 22 06
SW 22 07 | 14.64 | 0.12 | 0.96 | 0.017
 | 0.001 | 5.71 | 2.719
 | 1.40 | 0.013 | 0.45 | <0.001
0.004
 | 0.057 | 0.485 | 62.41
57.08 | 0.798
 | 0.051 | 0.010 | <0.01
 | 95.96
94.14 | 6.12 |
| SW 22 08 | 7.89 | 0.05 | 3.53 | 0.020
 | 0.003 | 26.67 | 1.148
 | 1.62 | 0.105 | 0.16 | 0.007
 | 0.607 | 0.424 | 31.55 | 0.346
 | 0.151 | 0.040 | <0.01
 | 87.21 | 12.88 |
| SW 22 09
SW 22 10 | 6.84 | 0.04 | 2.23 | 0.033
 | 0.005 | 30.62 | 0.836
 | 1.34 | 0.087 | 0.13 | 0.007
 | 0.519 | 0.333 | 30.72 | 0,261
 | 0.217 | 0.048 | <0.01
 | 86.22 | 11.95 |
| SW 22 11 | 6.10 | 0.03 | 1.27 | 0.031
 | 0.005 | 36.76 | 0.588
 | 1.35 | 0.112 | 0.10 | 0.008
 | 0.461 | 0.047 | 23.31 | 0.195
 | 0.238 | 0.055 | <0.01
 | 83.97 | 13.31 |
| SW 22 12
SW 22 13 | 6.64 | 0.04 | 2.50 | 0.025
 | 0.004 | 32.96 | 0.717
 | 1.64 | 0.099 | 0.12 | 0.009
 | 0.663 | 0.146 | 24.49 | 0.740
 | 0.198 | 0.058 | <0.01
 | 84.75 | 14.21 |
| SW 22 14 | 6.14 | 0.03 | 2.17 | 0.028
 | 0.005 | 35.30 | 0.579
 | 153 | 0.087 | 0.12 | 0.009
 | 0.643 | 0.090 | 23.47 | 0.191
 | 0.211 | 0.057 | <0.01
 | 84.05 | 13.40 |
| SW 22 15
SW 22 16 | 6.01
5.41 | 0.04 | 1.99 | 0.029
 | 0.005 | 35.67
38.26 | 0.551
 | 1.44 | 0.082 | 0.11 | 0.009
 | 0.617 | 0.082 | 28.20
21.38 | 0.181
 | 0.221 | 0.056 | <0.01
 | 83.63
82.47 | 13.26
12.41 |
| SW 22 17 | 5.15 | 0.03 | 1.68 | 0.030
 | 0.005 | 37.54 | 0.361
 | 1.56 | 0.077 | 0.10 | 0.010
 | 0.565 | 0.097 | 22.64 | 0.117
 | 0.239 | 0.066 | <0.01
 | 83.11 | 12.85 |
| SW 22 18
SW 22 19 | 4.99 | 0.07 | 1.78
3.98 | 0.032
 | 0.004 | 35.40
33.41 | 0.406
 | 1.68 | 0.098 | 0.09 | 0.009
 | 0.518 | 0.292
1.391 | 24.30
21.56 | 0.172
 | 0.225 | 0.058 | <0.01
 | 84.19
84.44 | 14.31
16.38 |
| SW 22 20
SW 22 21 | 5.08 | 0.03 | 4.22 | 0.025
 | 0.004
<0.001 | 28.88
4.46 | 0.726
2.609
 | 1.05 | 0.145 | 0.15 | 0.010
40.001
 | 0.793 | 2.079 | 26.84
64.85 | 0.190
 | 0.126 | 0.055 | <0.01
 | 86.53
96.87 | 15.14 |
| SW 22 21 | 13.29 | 0.08 | 0.50 | 0.021
 | <0.001 | 4.00 | 2.507
 | 1.17 | 0.009 | 0.51 | <0.001
 | 0.078 | 0.594 | 67.40 | 0.788
 | 0.047 | 0.010 | <0.01
 | 97.21 | 6.27 |
| SW 23 01
SW 23 02 | 14.58 | 0.09 | 0.66 | 0.024
 | 0.001 | 6.01 | 2.767
 | 1.28 | 0.015 | 0.42 | 0.001
 | 0.111 | 0.288 | 63.20 | 0.784
 | 0.069 | 0.014 | <0.01
 | 96.26 | 5.95 |
| SW 23 03 | 14.53 | 0.08 | 0.55 | 0.019
 | <0.001 | 6.39 | 2.721
 | 1.26 | 0.027 | 0.46 | <0.001
 | 0.077 | 0.197 | 62.71 | 0.803
 | 0.050 | 0.014 | <0.01
 | 95.98 | 6.09 |
| SW 23 04
SW 23 05 | 7.33 | 0.04 | 4.09 | 0.028
 | 0.003 | 27.03 | 0.984
 | 1.29 | 0.121 | 0.11 | 0.009
 | 0.195 | 0.782 | 31.30 | 0.298
 | 0.178 | 0.043 | <0.01
 | 86.41 | 12.59 |
| SW 23 06 | 7.20 | 0.05 | 3.71 | 0.022
 | 0.004 | 26.79 | 1.072
 | 0.82 | 0.137 | 0.17 | 800.0
 | 0.798 | 0.783 | 33.57 | 0.116
 | 0.137 | 0.043 | <0.01
 | 86.74 | 11.13 |
| SW 23 07
SW 23 08 | 7.71 | 0.05 | 2.61 | 0.027
 | 0.004 | 29.29 | 1.009
 | 1.24 | 0.098 | 0.13 | 0.008
 | 0.562 | 0.073 | 32.53 | 0.117
 | 0.193 | 0.048 | 40.01
 | 86.09 | 10.19 | | |
| SW 23 09 | | | |
 | | |
 | | | |
 | | | |
 | | |
 | | |
| SW 23 10
SW 23 11 | 6.24
5.51 | 0.03 | 2.18
2.81 | 0.028
0.027
 | 0.005 | 35.29
35.99 | 0.605
 | 1.46 | 0.097
0.113 | 0.12 | 0.009
 | 0.718 | 0.079 | 23.41 | 0.200
 | 0.211 | 0.060 | <0.01
<0.01
 | 83.58
83.46 | 12.85 |
| SW 23 12 | 5.54 | 0.03 | 1.94 | 0.032
 | 0.005 | 35.93 | 0.483
 | 1.62 | 0.082 | 0.11 | 0.011
 | 0.610 | 0.173 | 24.39 | 0.152
 | 0.217 | 0.067 | <0.01
 | 83.71 | 12.36 |
| 5W 23 13 | 5.21 | 0.04 | 4.52
3.86 | 0.027
 | 0.003 | 28.88 | 0.518
 | 2.59 | 0.112 | 0.13 | 0.009
 | 0.685 | 0.418 | 25.05
32.57 | 0.137
 | 0.207 | 0.063 | <0.01
 | 86.19
87.98 | 17.60 |
| SW 23 14
SW 23 15 | 5.94 | 0.04 | 2.03 | 0.025
 | 0.003 | 25.21
14.95 | 0.739
1.004
 | 0.77 | 0.141 | 0.14 | 0.009
 | 0.457 | 1.539 | 56.30 | 0.187
 | 0.128 | 0.031 | <0.01
 | 93.27 | 15.12
9.71 |
| SW 23 16
SW 23 17 | 7.41 | 0.08 | 1.13 | 0.041
 | <0.001 | 6.18 | 1.484
 | 0.76 | 0.013 | 0.30 | <0.001
 | 0.118 | 0.760 | 71.98
71.16 | 0.384
 | 0.058
0.058 | 0.006 | <0.01
<0.01
 | 96.60 | 5.92
5.91 |
| SW 23 18 | 8.57 | 0.08 | 0.90 | 0.048
 | <0.001 | 4.52 | 1.709
 | 0.84 | 0.005 | 0.32 | <0.001
 | 0.153 | 0.614 | 73.29 | 0.469
 | 0.052 | 0.004 | <0.01
 | 97.48 | 5.91 |
| SW 23 19 | 15.20 | 0.07 | 0.60 | 0.024
 | <0.001 | 2.88 | 2.751
 | 1.23 | 0.007 | 0.48 | <0.001
 | 0.065 | 0.451 | 67.21 | 0.851
 | 0.044 | 0.006 | < 0.01
 | 97.64 | 5.77 |
| | 35 50 | 0.08 | 0.50 | 0.010
 | | |
 | | | |
 | | | 66.63 | 0.063
 | 0.043 | 0.007 |
 | 07.60 | |
| SW 24 01 Lost Core | 15.50 | 80,0 | 0.50 | 0.019
 | <0.001 | 2.94 | 2.803
 | 1.23 | 0.006 | 0.51 | <0.001
 | 0.065 | 0.442 | 66.67 | 0.863
 | 0.042 | 0.007 | <0.01
 | 97.60 | 5.93 |
| SW 24 01 Lost Core
SW 24 02 | 10.47 | 0.08 | 4.27 | 0.032
 | <0.001 | 2.94
3.57 | 2.803
 | 1.76 | 0.006 | 0.51 | <0.001
0.003
 | 0.065 | 0.496 | 65.78 | 0.533
 | 0.027 | 0.011 | <0.01
 | 97.07 | 7.21 |
| 5W 24 01 Lost Core
5W 24 02
5W 24 03
5W 24 04 Lost Core | | | |
 | <0.001 | 2.94 | 2.803
 | 1.23 | 0.006 | 0.51 | <0.001
 | 0.065 | | |
 | | | <0.01
 | | |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 04 Lost Core
SW 24 05 Lost Core | 10.47 | 0.08 | 4.27 | 0.032
 | <0.001 | 2.94
3.57 | 2.803
 | 1.76 | 0.006 | 0.51 | <0.001
0.003
 | 0.065 | 0.496 | 65.78 | 0.533
 | 0.027 | 0.011 | <0.01
 | 97.07 | 7.21 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 04 Lost Core
SW 24 05 Lost Core
SW 24 06 Lost Core
SW 24 07 Lost Core | 10.47 | 0.08 | 4.27 | 0.032
 | <0.001 | 2.94
3.57 | 2.803
 | 1.76 | 0.006 | 0.51 | <0.001
0.003
 | 0.065 | 0.496 | 65.78 | 0.533
 | 0.027 | 0.011 | <0.01
 | 97.07 | 7.21 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 04 Lost Core
SW 24 05 Lost Core
SW 24 06 Lost Core
SW 24 07 Lost Core
SW 24 08 Lost Core | 10.47 | 0.08 | 4.27 | 0.032
 | <0.001 | 2.94
3.57 | 2.803
 | 1.76 | 0.006 | 0.51 | <0.001
0.003
 | 0.065 | 0.496 | 65.78 | 0.533
 | 0.027 | 0.011 | <0.01
 | 97.07 | 7.21 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 04 Lost Core
SW 24 05 Lost Core
SW 24 07 Lost Core
SW 24 07 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core | 10.47 | 0.08 | 4.27 | 0.032
 | <0.001 | 2.94
3.57 | 2.803
 | 1.76 | 0.006 | 0.51 | <0.001
0.003
 | 0.065 | 0.496 | 65.78 | 0.533
 | 0.027 | 0.011 | <0.01
 | 97.07 | 7.21 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 04 Lost Core
SW 24 05 Lost Core
SW 24 06 Lost Core
SW 24 06 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core
SW 24 10
SW 24 10
SW 24 11 Lost Core | 10.47
6.53
6.38 | 0.08 | 4.27
4.76 | 0.032
 | <0.001
0.003
0.007 | 2.94
3.57
27.64
31.47 | 2.803
2.000
0.835
0.798
 | 1.76
1.76
1.16 | 0.006
0.038
0.069 | 0.51
0.72
0.20 | <0.001
0.003
0.010
 | 0.065
0.083
0.504 | 0.496 | 65.78
31.59
28.54 | 0.533
 | 0.027 | 0.011 | <0.01
<0.01
<0.01
<0.01
 | 97.07
85.95
84.75 | 7.21 10.21 10.66 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 03
SW 24 06 Lost Core
SW 24 06 Lost Core
SW 24 07 Lost Core
SW 24 07 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core
SW 24 11 Lost Core
SW 24 12
SW 24 12
SW 24 12 | 10.47
6.53
6.38
6.20 | 0.08
0.04
0.05 | 4.27
4.76
3.45
2.41 | 0.032
0.027
0.027
0.029
 | 0.003
0.007
0.007 | 2.94
3.57
27.64
31.47
30.42 | 2.803
2.000
0.835
0.798
 | 1.75
1.16
1.14
1.44 | 0.006
0.038
0.069
0.128 | 0.51
0.72
0.20
0.16 | 0.001
0.003
0.010
0.010
 | 0.065
0.083
0.504
1.069 | 0.496
1.915
0.113 | 65.78
31.59
28.54
32.18 | 0.533
0.252
0.230
0.230
 | 0.027
0.171
0.186
0.222 | 0.011
0.048
0.052 | <0.01
<0.01
<0.01
<0.01
 | 97.07
85.95
84.75
86.16 | 7.21
10.21 |
| SW 24 01 Lost Core
SW 24 02
SW 24 05 Lost Core
SW 24 05 Lost Core
SW 24 05 Lost Core
SW 24 00 Lost Core
SW 24 00 Lost Core
SW 24 00 Lost Core
SW 24 01 Lost Core
SW 24 01 Lost Core
SW 24 01 Lost Core
SW 24 11 Lost Core
SW 24 11 Lost Core | 10.47
6.53
6.38 | 0.08 | 4.27
4.76 | 0.032
 | <0.001
0.003
0.007 | 2.94
3.57
27.64
31.47 | 2.803
2.000
0.835
 | 1.76
1.76
1.16 | 0.006
0.038
0.069 | 0.51
0.72
0.20 | <0.001
0.003
0.010
 | 0.065
0.083
0.504 | 0.496 | 65.78
31.59
28.54 | 0.533
 | 0.027 | 0.011 | <0.01
<0.01
<0.01
<0.01
 | 97.07
85.95
84.75 | 7.21 10.21 10.66 |
| SW 24 01 Lost Core 1W 24 03 3W 24 03 3W 24 04 Lost Core 5W 24 05 Lost Core 5W 24 05 Lost Core 5W 24 06 Lost Core 5W 24 06 Lost Core 5W 24 06 Lost Core 5W 24 08 Lost Core 5W 24 01 Lost Core 5W 24 11 Lost Core 5W 24 13 Lost Core 5W 24 13 Lost Core 5W 24 15 5W 24 13 Lost Core 5W 24 15 5W 24 15 Lost Core 5W 24 15 5W 24 15 Lost Core | 10.47
6.53
6.38
6.20
5.44
5.63 | 0.08
0.04
0.05
0.07
0.09 | 4.27
4.76
3.45
2.41
3.26 | 0.032
0.027
0.029
0.034
0.028
 | 0.001
0.003
0.007
0.007
0.008
0.008 | 3.57
27.64
31.47
30.42
32.24
25.51 | 2.803
2.000
0.835
0.798
0.752
0.576
 | 1.75
1.76
1.16
1.44
1.66
1.35 | 0.006
0.038
0.069
0.128
0.112
0.119 | 0.51
0.72
0.20
0.16
0.14
0.13 | 0.001
0.003
0.010
0.010
0.010
0.011
 | 0.065
0.083
0.504
1.069
0.560
0.832 | 0.496
1.915
0.113
0.374
0.509 | 65.78
31.59
28.54
32.18
29.52
42.36 | 0.533
0.252
0.252
0.230
0.195
0.163
 | 0.027
0.171
0.186
0.222
0.199 | 0.011
0.048
0.052
0.061
0.059 | <0.01
<0.01
<0.01
<0.01
<0.01
 | 97.07
85.95
84.75
86.16
85.30 | 7.21
10.21
10.66
10.77
10.78 |
| SW 24 01 Lost Core
SW 24 02
SW 24 03
SW 24 05
SW 24 06 Lost Core
SW 24 06 Lost Core
SW 24 06 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core
SW 24 09 Lost Core
SW 24 11 Lost Core
SW 24 13 Lost Core
SW 24 13 Lost Core
SW 24 13 Lost Core | 10.47
6.53
6.38
6.20
5.44 | 0.08
0.04
0.05
0.07 | 4.27
4.76
3.45
2.41
3.26 | 0.032
0.027
0.029
0.034
 | 0.001
0.003
0.007
0.007
0.007 | 3.57
27.64
31.47
30.42
32.24 | 2.803
2.000
0.835
0.798
0.752
 | 1.23
1.76
1.16
1.44
1.66 | 0.006
0.038
0.069
0.128
0.112 | 0.51
0.72
0.20
0.16
0.14 | 0.001
0.003
0.010
0.010
0.010
 | 0.065
0.083
0.504
1.069
0.560 | 0.496
1.915
0.113
0.374
0.509 | 65.78
31.59
28.54
32.18
29.52 | 0.533
0.252
0.230
0.195
0.163
 | 0.027
0.171
0.186
0.222
0.199 | 0.011
0.048
0.052
0.061
0.059 | <0.01
<0.01
<0.01
<0.01
<0.01
 | 97.07
85.95
84.75
86.16
85.30 | 7.21
10.21
10.66
10.77 |
| SW 24 03 Lost Core
SW 24 03
SW 24 03
SW 24 05 Lost Core
SW 24 15 Lost Core | 5.38
5.38
5.44
5.63
7.02
6.76
14.16 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.06 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.88
0.27 | 0.032
0.027
0.027
0.029
0.034
0.028
0.030
0.046
0.050
 | 0.001
0.003
0.007
0.007
0.008
0.008
0.008 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.91
9.70
4.38 | 2.803
2.000
0.835
0.798
0.752
0.576
0.944
1.392
1.396
2.684 | 1.23
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.97
 | 0.006 0.038 0.069 0.128 0.112 0.119 0.115 0.041 0.040 0.019 | 0.51
0.72
0.20
0.36
0.34
0.18
0.26
0.45 | 0.001
0.003
0.010
0.010
0.010
0.013
0.013
0.011
0.007
0.004
0.004
 | 0.065
0.083
0.504
1.069
0.560
0.832
0.299
0.632
0.299
0.085 | 0.496
1.915
0.113
0.374
0.509
0.140
0.206
0.172 | 28.54
32.18
29.52
42.36
67.61
66.81 | 0.533
0.252
0.252
0.230
0.195
0.163
0.224
0.325
0.315
 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.071 | 0.011
0.048
0.052
0.052
0.059
0.036
0.024
0.023
0.031 | 0.01 | 97.07
85.95
84.75
86.16
85.30
88.12
94.77
95.44
97.31
 | 7,21
10,21
10,21
10,66
10,77
10,78
9,08
5,53
5,41
5,42 |
| SW 24 07 Lost Core SW 24 07 SW 24 07 SW 24 08 SW 24 08 SW 24 08 Lost Core SW 24 08 SW 24 18 Lost Core SW 24 18 SW 24 18 Lost Core | 10.47
6.53
6.38
6.20
5.44
5.63
7.02
6.76 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.06 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.88 | 0.032
0.027
0.027
0.029
0.034
0.030
0.046
0.050
 | 0.001
0.003
0.007
0.007
0.008
0.008 | 31.47
30.42
32.24
32.24
39.91
9.90 | 2.803
2.000
0.835
0.798
0.752
0.576
0.944
1.992 |
1.75
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.97 | 0.006
0.038
0.069
0.128
0.112
0.119
0.119 | 0.51
0.72
0.20
0.16
0.14
0.13
0.18
0.26
0.26 | 0.001
0.003
0.010
0.010
0.013
0.011
0.007
0.004
 | 0.065
0.083
0.504
1.069
0.560
0.832
0.632
0.299
0.262 | 0.496
1.915
0.113
0.374
0.509
0.340
0.206
0.196 | 65,78
51,59
28,54
32,18
29,52
42,36
67,61
69,04 | 0.533
0.252
0.230
0.195
0.163
0.224
0.325
0.315
 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.071 | 0.011
0.048
0.052
0.052
0.061
0.059
0.036
0.024
0.023 | 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 | 97.07
85.95
84.75
86.16
85.30
88.12
94.77
95.44 | 7.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41 |
| SW 2407 Lost Core SW 2407 Lost Core SW 2407 Lost Core SW 2406 Lost Core SW 2406 Lost Core SW 2407 Lost Core SW 2417 Lost Core SW 2417 Lost Core SW 2418 Lost Core SW 2419 Lost | 5.38
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.82
4.95 | 0.08
0.04
0.05
0.07
0.09
0.06
0.06
0.08
0.09
0.09 | 3.45
2.41
3.26
1.02
0.88
0.27
0.35
2.51 | 0.032
0.027
0.029
0.030
0.046
0.050
0.025
0.022 | 0.001
0.003
0.007
0.007
0.008
0.008
0.008
0.004
0.003
0.003
0.003
0.002
 | 3.57
27.64
3.57
27.64
31.47
30.42
32.24
32.24
3.91
9.91
9.70
4.98
2.90
38.73
27.61 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.392
1.396
2.684
2.793
0.369
0.552 | 1.23
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.97
1.33
1.36
1.74
 | 0.006 0.038 0.069 0.128 0.112 0.112 0.119 0.135 0.041 0.040 0.019 0.010 0.000 | 0.51
0.72
0.20
0.16
0.14
0.18
0.18
0.26
0.26
0.45
0.50
0.13 | 0.001
0.003
0.010
0.010
0.010
0.013
0.011
0.007
0.004
0.004
0.002
0.001
0.001 | 0.065
0.083
0.504
1.069
0.560
0.832
0.632
0.299
0.262
0.085
0.085
0.056
 | 0.496
1.915
0.113
0.374
0.509
0.306
0.196
0.172
0.172
0.192
0.192
0.504 | 28.54
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
69.48
17.83
31.34 | 0.533
0.252
0.252
0.195
0.163
0.224
0.325
0.315
0.782
0.821
0.119
 | 0.027
0.171
0.186
0.222
0.199
0.070
0.071
0.044
0.043
0.250 | 0.011
0.048
0.052
0.052
0.059
0.036
0.024
0.023
0.011
0.061 | 40.01 | 97.07
85.95
84.75
86.16
85.30
88.12
94.77
95.44
97.31
98.32
82.90
86.87
 | 7.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
4.89
14.70 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 24 12 SW 24 13 Lost Core SW 24 15 SW 24 | 5.53
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.82
4.95
4.95
4.95 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.08
0.09
0.09
0.03
0.05 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.88
0.27
0.35
2.51
3.43
4.58
7.65 | 0.032
0.027
0.029
0.030
0.046
0.050
0.025
0.022
0.027
0.031 | 0.001
0.003
0.007
0.007
0.008
0.008
0.004
0.003
0.003
0.002
0.002
0.007
0.007
 | 3.57
27.64
3.57
27.64
30.42
32.24
32.24
32.24
32.24
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32.30
32 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.392
1.396
2.684
2.793
0.369
0.552
0.622 | 1.23
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.97
1.33
1.36
1.74
2.15
2.25
1.41
 | 0.006 0.038 0.069 0.128 0.112 0.119 0.115 0.041 0.019 0.019 0.019 0.0080 0.0993 0.0108 | 0.51
0.72
0.20
0.36
0.14
0.18
0.26
0.45
0.45
0.50
0.13
0.13
0.13
0.13 | 0.001
0.003
0.010
0.010
0.010
0.013
0.011
0.004
0.004
0.004
0.009
0.009
0.009 | 0.065
0.083
0.504
1.069
0.560
0.812
0.632
0.299
0.262
0.085
0.085
0.085
0.056
0.516
0.516
 | 0.496
1.915
0.113
0.374
0.509
0.340
0.206
0.172
0.172
0.172
0.718
0.504
0.406
0.366 | 28.54
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
69.48
17.83
31.34
31.34
31.27 | 0.533
0.252
0.252
0.195
0.163
0.224
0.325
0.315
0.762
0.821
0.317
0.317
0.346
0.151
 | 0.027
0.171
0.186
0.222
0.199
0.070
0.071
0.046
0.043
0.250
0.175
0.101 | 0.011
0.048
0.052
0.061
0.059
0.024
0.023
0.011
0.011
0.050
0.050
0.050 | 0.01 | 97.07
85.95
84.75
86.16
85.30
88.12
94.77
95.44
97.31
98.32
82.90
86.87
88.94
88.94
88.94
88.94
88.94
88.94
88.94
88.95
 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.89
15.44
19.91
13.30 |
| SW 24 03 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 24 08 W 24 13 Lost Core SW 24 07 SW 24 15 SW 24 15 Lost Core SW 24 07 SW 24 15 | 5.38
6.38
6.20
5.44
5.63
7.62
6.76
14.16
14.82
4.95
4.95
4.95
4.97
4.11
7.38 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.08
0.09
0.03
0.03
0.03 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.88
0.27
0.35
2.51
3.43
4.58
7.65
1.68 | 0.032
0.027
0.029
0.034
0.036
0.050
0.050
0.025
0.022
0.031
0.027
0.031
0.041
 | 0.001
0.003
0.007
0.007
0.008
0.008
0.004
0.003
0.003
0.002
0.009
0.009
0.005
0.005 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.91
9.70
4.98
2.90
38.73
27.61
23.95
30.55 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.392
1.396
2.694
2.793
0.369
0.552
0.829
0.402
1.432 |
1.23
1.76
1.16
1.44
1.56
1.35
1.28
0.96
0.97
1.33
1.36
1.74
2.75
2.75
2.71
1.34
1.35
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75
2.75 | 0.006 0.038 0.069 0.128 0.112 0.119 0.115 0.041 0.040 0.019 0.010 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.51
0.72
0.20
0.16
0.14
0.18
0.26
0.26
0.45
0.50
0.13
0.11
0.20 | 0.001
0.003
0.010
0.010
0.013
0.013
0.011
0.004
0.004
0.002
0.001
0.001
0.001
0.002
0.001
0.003
0.003
 | 0.065 0.083 0.504 1.069 0.540 0.632 0.299 0.262 0.056 0.622 0.516 0.224 2.031 | 0.496
1.915
0.113
0.374
0.509
0.306
0.196
0.172
0.192
0.718
0.504
0.460
0.360
1.643 | 28.54
31.59
28.54
32.18
29.52
42.36
67.51
69.48
66.81
69.48
31.27
22.50
71.81 | 0.533
0.252
0.230
0.195
0.163
0.224
0.325
0.315
0.821
0.117
0.146
0.151
0.118
 | 0.027
0.171
0.186
0.222
0.199
0.199
0.071
0.046
0.046
0.046
0.175
0.101
0.186 | 0.011
0.048
0.052
0.061
0.059
0.036
0.023
0.011
0.063
0.059
0.050
0.027
0.051
0.051 | <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01
 | 97.07
85.95
86.16
85.30
88.12
94.77
95.44
97.31
98.32
82.90
86.87
88.04
83.07 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.89
34.70
15.44
19.91
13.30
5.53 |
| SW 24 03 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 25 07 Lost Core | 5.38
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.95
4.95
4.95
4.95
1.97
1.97
1.97
1.98
8.06 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.09
0.03
0.03
0.03
0.05 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.88
0.27
0.35
2.51
3.45
8.75
1.68
0.47
0.38 | 0.032
0.027
0.029
0.034
0.030
0.046
0.050
0.050
0.052
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
 | 0.001
0.003
0.007
0.008
0.008
0.008
0.004
0.003
0.003
0.003
0.003
0.005
0.009
0.009
0.009
0.005 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.70
4.90
38.73
27.61
23.95
30.55
31.45
31.45
31.47 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.396
2.684
2.793
0.369
0.552
0.629
0.402
1.780
2.952 | 1.21
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.97
1.36
1.74
1.74
1.74
1.74
1.74
1.74
1.74
1.74
 | 0.006 0.038 0.069 0.128 0.112 0.112 0.113 0.115 0.040 0.010 0.010 0.093 0.093 0.093 0.008 0.078 | 0.51
0.72
0.20
0.16
0.14
0.18
0.18
0.26
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45
0.45 | 0.001
0.003
0.010
0.010
0.013
0.013
0.011
0.007
0.004
0.002
0.002
0.003
0.004
0.003
0.003
 | 0.065 0.083 0.504 1.069 0.560 0.832 0.639 0.629 0.056 0.056 0.224 2.031 0.038 0.237 0.088 | 0.496
1.915
0.113
0.374
0.309
0.340
0.706
0.172
0.172
0.172
0.728
0.460
0.460
0.460
0.460
0.460
0.460
0.460
0.460 | 28.54
32.18
29.52
42.36
67.61
69.04
31.27
22.20
27.21
27.16
6.81
97.83
31.27
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
27.20
2 | 0.533
0.252
0.252
0.195
0.163
0.224
0.325
0.378
0.486
0.116
0.116
0.151
0.151
0.178
0.478
 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.043
0.250
0.175
0.101
6.182
0.048
0.039 | 0.011
0.048
0.052
0.052
0.059
0.036
0.023
0.011
0.050
0.027
0.050
0.050
0.050
0.050
0.050
0.050 | <0.01 | 97.07
85.95
86.16
85.30
88.12
94.77
95.44
97.31
82.90
86.87
88.04
88.04
89.10
97.10
98.32
97.09
 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.89
13.74
13.91
13.30
5.33
6.42
6.42
6.23 |
| SW 24 07 Lost Core SW 24 07 SW 25 07 SW 25 07 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 07 | 10.47
6.53
6.38
6.20
5.44
5.63
7.02
6.76
14.15
14.82
4.95
4.95
4.95
4.95
1.97
4.11
1.33 | 0.08
0.04
0.05
0.07
0.09
0.06
0.06
0.08
0.09
0.09
0.09
0.09
0.09
0.09
0.09 | 4.27
4.76
3.45
2.41
3.26
1.02
0.88
0.27
0.35
2.51
3.43
4.58
7.65
1.68
0.47
0.38 | 0.032
0.027
0.029
0.034
0.036
0.046
0.055
0.025
0.027
0.027
0.031
0.049
0.049
 | 0.001
0.003
0.007
0.008
0.008
0.004
0.003
0.003
0.002
0.002
0.005
0.003
0.003
0.003
0.003 | 3.57
27.64
3.57
27.64
30.42
32.24
32.24
25.51
9.91
9.70
2.90
38.73
27.61
23.95
30.55
3.11
4.61
13.65 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.392
2.694
2.793
0.369
0.552
0.402
1.432
1.780
0.402
1.432
1.780
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782 | 1.21
1.76
1.16
1.44
1.56
1.35
1.28
0.96
0.97
1.33
1.36
1.74
2.15
2.52
1.41
0.83
1.61
1.61
 | 0.006 0.038 0.069 0.128 0.112 0.113 0.041 0.040 0.019 0.010 0.108 0.028 0.028 0.010 0.010 0.000 | 0.51
0.72
0.20
0.16
0.14
0.13
0.18
0.26
0.26
0.26
0.26
0.13
0.13
0.13
0.13
0.13 |
0.001
0.003
0.010
0.010
0.013
0.011
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005 | 0.065 0.083 0.504 1.069 0.560 0.812 0.632 0.299 0.262 0.085 0.056 0.622 0.516 0.224 0.031 0.035 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 | 0.496
1.915
0.113
0.374
0.509
0.306
0.172
0.192
0.718
0.504
0.460
0.360
0.360
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160 |
28.54
32.18
32.18
32.18
32.18
42.36
67.51
69.48
17.83
31.34
31.34
31.34
31.78
31.78
31.78
31.34
31.78
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34 | 0.230
0.252
0.252
0.195
0.163
0.224
0.325
0.325
0.378
0.217
0.345
0.116
0.378
0.477
0.824
0.824
0.5548 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.070
0.070
0.043
0.250
0.175
0.101
0.182
0.048
0.039
0.054 | 0.011
0.048
0.052
0.052
0.053
0.036
0.024
0.024
0.021
0.051
0.051
0.051
0.051
0.051
 | -0.01 | 97.07
85.95
86.16
85.30
88.12
94.77
95.41
97.31
98.32
82.90
86.87
88.04
83.07
97.10
98.32
97.09 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.89
34.70
15.44
19.31
13.30
5.93
6.42
6.23
11.99 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 05 SW | 5.30
6.30
6.30
6.20
5.44
5.62
7.02
6.76
14.16
14.82
4.95
4.95
4.11
7.30
8.96
15.53
11.31
8.34
7.13 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.09
0.09
0.09
0.09
0.09
0.09
0.09 | 4.27
4.76
3.45
2.41
3.26
1.72
0.88
0.88
4.52
7.65
1.68
0.47
0.38
1.25
1.25
1.26
1.26
1.26
1.26
1.26
1.26
1.26
1.26 | 0.032
0.027
0.027
0.034
0.034
0.035
0.046
0.050
0.022
0.022
0.022
0.031
0.044
0.049
0.049
0.027
0.031
0.044
0.049 | 0.001
0.003
0.007
0.008
0.008
0.004
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.70
4.96
2.96
38.73
27.61
23.95
30.55
5.31
4.61
13.56
21.73
25.13 | 2.803
2.000
0.835
0.798
0.752
0.576
0.944
1.392
1.396
2.694
2.793
0.369
0.552
0.529
0.402
1.780
2.952
2.952
2.043
1.396
1.396 | 1.21
1.76
1.16
1.16
1.16
1.28
0.96
0.97
1.33
1.36
1.74
2.15
2.52
1.41
0.83
1.61
1.61
1.61
1.61
1.61
1.61
1.61
1.6
 | 0.006 0.038 0.069 0.128 0.112 0.112 0.113 0.041 0.040 0.019 0.010 0.009 0.009 0.009 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 | 0.51
0.72
0.20
0.14
0.13
0.16
0.26
0.26
0.26
0.26
0.26
0.29
0.45
0.13
0.11
0.13
0.13
0.13
0.14 | 0.001
0.003
0.010
0.010
0.013
0.013
0.011
0.004
0.004
0.004
0.004
0.004
0.004
0.005
0.009
0.009
0.009
0.009
0.000
0.000
0.000 | 0.065 0.083 0.504 1.069 0.560 0.812 0.632 0.299 0.262 0.085 0.056 0.622 0.011 0.0237 0.088 0.052 0.011 0.0237
 | 0.496
1.915
0.113
0.374
0.509
0.106
0.107
0.196
0.192
0.192
0.192
0.504
0.480
0.360
1.643
2.214
0.955
0.957
0.957 | 28.54
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34 | 0.511
0.252
0.252
0.195
0.163
0.195
0.163
0.375
0.382
0.821
0.116
0.376
0.378
0.378
0.378
 | 0.027
0.171
0.186
0.222
0.199
0.199
0.040
0.070
0.071
0.043
0.250
0.175
0.101
0.182
0.048
0.039
0.054
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101 | 0.011
0.048
0.052
0.061
0.059
0.036
0.023
0.011
0.011
0.050
0.050
0.051
0.014
0.014
0.015
0.023 | -0.01 |
97.07
85.95
86.16
85.30
88.12
94.77
95.44
97.31
98.32
82.90
97.10
97.10
98.32
97.10
98.32
97.10
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32
98.32 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.99
11.544
19.91
13.30
5.93
6.42
6.23
11.95
11.25
8.25
8.25
8.25
8.25
8.25
8.25
8.25
8 |
| SW 2401 Lost Core SW 2402 SW 2402 SW 2403 W 2404 Lost Core SW 2405 Lost Core SW 2405 Lost Core SW 2407 Lost Core SW 2407 Lost Core SW 2407 Lost Core SW 2407 Lost Core SW 2408 | 5.38
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.82
4.95
15.31
11.31
8.96
15.31
7.03
7.03
7.03
7.04
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7.05
7 | 0.08
0.04
0.05
0.07
0.09
0.04
0.06
0.08
0.09
0.01
0.05
0.05
0.05
0.05
0.05
0.05
0.05 | 4.27
4.76
2.41
3.26
1.72
0.88
0.27
0.35
2.51
1.68
0.48
1.68
1.68
1.68
1.68
1.68
1.68
1.75
1.75
1.75
1.75
1.75
1.75
1.75
1.75 | 0.032
0.027
0.027
0.028
0.004
0.005
0.005
0.005
0.022
0.031
0.044
0.023
0.022
0.031
0.044
0.023
0.022 | 0.001
0.003
0.007
0.008
0.008
0.004
0.003
0.003
0.002
0.002
0.005
0.003
0.003
0.003
0.003
 | 3.57
27.64
3.57
27.64
30.42
32.24
32.24
25.51
9.91
9.70
2.90
38.73
27.61
23.95
30.55
3.11
4.61
13.65 | 2.803
2.000
0.835
0.752
0.752
0.576
0.944
1.392
2.694
2.793
0.369
0.552
0.402
1.432
1.780
0.402
1.432
1.780
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782
1.782 | 1.21
1.76
1.16
1.44
1.56
1.35
1.28
0.96
0.97
1.33
1.36
1.74
2.15
2.52
1.41
0.83
1.61
1.61
 | 0.006 0.038 0.069 0.128 0.112 0.113 0.041 0.040 0.019 0.010 0.108 0.028 0.028 0.010 0.010 0.000 | 0.51
0.72
0.20
0.16
0.14
0.13
0.18
0.26
0.26
0.26
0.26
0.13
0.13
0.13
0.13
0.13 | 0.001
0.003
0.010
0.010
0.013
0.011
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005 | 0.065 0.083 0.504 1.069 0.560 0.812 0.632 0.299 0.262 0.085 0.056 0.622 0.516 0.224 0.031 0.035 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050
 | 0.496
1.915
0.113
0.374
0.509
0.396
0.196
0.192
0.192
0.728
0.504
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480 | 28.54
12.18
12.18
12.18
12.18
12.18
12.16
167.61
169.04
166.81
17.83
11.34
11.27
12.50
11.81
17.181
17.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18.181
18 | 0.533
0.252
0.252
0.195
0.163
0.224
0.325
0.782
0.821
0.116
0.116
0.172
0.472
0.472
0.472
0.472
0.473
 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.043
0.071
0.046
0.175
0.101
0.186
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101 | 0.011
0.048
0.052
0.052
0.059
0.024
0.024
0.011
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 40.01 |
97.07
85.95
84.75
86.16
85.30
88.12
94.77
95.44
97.31
98.32
82.90
86.87
97.10
98.04
89.32
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.09
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00
97.00 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
4.89
15.44
19.91
11.44
19.91
11.93
6.42
6.23
11.95 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 25 | 5.44
5.63
6.20
5.44
5.63
7.02
6.76
14.16
14.82
4.95
4.95
4.95
15.53
11.31
8.34
7.13
7.05
5.93
5.93
5.93
5.93
5.93
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6. | 0.08
0.04
0.05
0.07
0.06
0.06
0.06
0.09
0.09
0.09
0.09
0.01
0.05
0.01
0.05
0.05
0.06
0.06
0.06
0.06
0.06
0.06 | 4.27
4.76
2.41
3.26
1.78
1.02
0.88
0.27
0.35
2.51
3.43
4.58
0.47
5.48
4.76
5.25
1.68
2.17
5.48
4.76
5.25
1.25
2.25
1.25
2.25
1.25
2.25
1.25
2.25
1.25
2.25
2 | 0.032
0.027
0.027
0.027
0.030
0.030
0.030
0.025
0.027
0.031
0.049
0.049
0.022
0.022
0.022
0.022
0.023 |
60.001
6.003
6.007
6.007
6.008
6.008
6.008
6.008
6.008
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6.009
6 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.91
9.70
2.90
2.90
3.67
32.78
123.95
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55 | 2.803
2.000
0.835
0.758
0.752
0.576
0.576
0.576
0.576
0.576
0.576
0.576
0.402
1.392
1.392
0.402
1.432
1.780
0.629
0.402
1.432
1.780
0.529
0.402
1.432
1.780
0.529
0.402
1.432
1.780
0.529
0.402
1.432
1.780
0.502
0.602
1.432
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
0.602
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1.780
1. | 1.23
1.76
1.16
1.44
1.66
1.35
1.28
0.96
0.96
1.74
2.15
1.30
1.31
1.32
1.33
1.35
1.36
1.36
1.37
1.38
1.39
1.39
1.31
1.31
1.31
1.32
1.33
1.34
1.35
1.35
1.35
1.35
1.35
1.35
1.35
1.35
 | 0.006 0.038 0.069 0.128 0.119 0.119 0.119 0.041 0.040 0.019 0.010 0.085 0.028 0.028 0.007 0.087 0.097 0.097 0.097 | 0.51
0.72
0.20
0.16
0.14
0.13
0.18
0.18
0.19
0.26
0.26
0.26
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20
0.20 | 0.001
0.003
0.010
0.010
0.010
0.011
0.001
0.004
0.004
0.004
0.005
0.001
0.007
0.009
0.003
0.003
0.003
0.004
0.004
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005 | 0.065 0.083 0.504 1.069 0.540 0.832 0.832 0.832 0.632 0.055 0.056 0.622 0.055 0.056 0.224 2.031 0.088 0.052 0.055
 | 0.496
1.915
0.314
0.509
0.340
0.206
0.396
0.172
0.592
0.172
0.592
0.460
0.360
1.643
2.214
0.597
0.467
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360 | 55.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
31.34
31.27
22.50
71.81
71.76
63.23
48.48
36.45
26.47
23.16
60.64 | 0.531
0.252
0.163
0.163
0.124
0.325
0.325
0.325
0.315
0.782
0.821
0.116
0.151
0.150
0.178
0.472
0.568
0.378
0.378
0.378
 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.071
0.048
0.048
0.050
0.101
0.182
0.039
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0. | 0.011
0.048
0.052
0.061
0.059
0.036
0.024
0.073
0.011
0.011
0.011
0.011
0.012
0.025
0.036
0.036
0.051
0.051
0.011
0.011
0.011
0.011 | -0.01 | 97.07
85.95
86.16
85.30
88.12
94.77
95.44
97.31
98.32
98.32
97.10
98.32
97.10
98.32
97.99
97.10
98.90
98.90
98.53
85.93
85.93
85.95
 | 7.31
10.21
10.66
10.77
10.78
9.08
5.53
5.41
5.42
5.43
11.30
5.53
11.54
11.30
5.62
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 25 | 5.38
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.89
4.95
4.95
4.95
15.53
11.31
8.34
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7.13
7. | 0.08
0.04
0.05
0.07
0.06
0.06
0.06
0.09
0.09
0.09
0.09
0.09 | 4.27
4.76
2.41
3.26
1.78
1.02
0.88
0.27
0.35
2.51
3.43
4.58
0.47
5.48
4.76
2.51
2.51
2.51
2.51
2.51
2.51
2.51
2.51 | 0.032
0.027
0.027
0.029
0.034
0.030
0.046
0.050
0.050
0.025
0.022
0.023
0.023
0.023
0.023
0.023
0.029
0.029
0.029
0.029 |
60.001
6.003
6.007
6.007
6.008
6.008
6.008
6.008
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6.003
6 | 2.94
3.57
27.64
31.47
30.42
32.24
25.51
9.91
9.70
4.98
2.90
36.73
27.61
23.95
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.60
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4.90
4 | 2.803 2.000 0.835 0.758 0.752 0.576 0.576 0.946 1.192 1.396 0.629 0.629 0.629 0.629 1.432 1.780 0.829 0.621 1.003 0.606 1.105 1.003 0.606 0.414 0.328 | 1.71
1.76
1.16
1.16
1.16
1.17
1.18
1.18
1.19
1.19
1.19
1.19
1.19
1.19
 | 0.006 0.038 0.069 0.128 0.117 0.117 0.119 0.119 0.016 0.041 0.040 0.019 0.010 0.008 | 0.51
0.72
0.20
0.34
0.13
0.18
0.18
0.19
0.19
0.26
0.26
0.26
0.20
0.20
0.20
0.20
0.20
0.20
0.34
0.13
0.13
0.13
0.13
0.13
0.13
0.13
0.13
0.13
0.14
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15
0.15 | 0.001
0.003
0.010
0.010
0.010
0.011
0.011
0.004
0.004
0.004
0.005
0.009
0.009
0.009
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.0000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.00000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.00000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.00000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.00000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000 | 0.065 0.083 0.504 1.069 0.540 0.812 0.612 0.620 0.622 0.085 0.065 0.066 0.224 0.011 0.217 0.088 0.068 0.204 0.011 0.217 0.088 0.516 0.224 0.015 0.516 0.225 0.516 0.225 0.516 0.226 0.516 0.226 0.516 0.227 0.516
0.227 0.516 0.227 | 0.496
1.915
0.113
0.374
0.509
0.196
0.196
0.192
0.192
0.192
0.192
0.193
0.504
0.506
0.196
0.196
0.197
0.192
0.192
0.192
0.193
0.206
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306
0.306 | 65.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
99.48
31.27
22.30
31.27
21.36
67.61
69.48
50.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44
60.44 |
0.531
0.252
0.195
0.163
0.224
0.325
0.325
0.325
0.375
0.782
0.821
0.115
0.116
0.151
0.116
0.378
0.472
0.472
0.568
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378 | 0.027
0.171
0.186
0.222
0.199
0.134
0.070
0.071
0.043
0.250
0.101
0.182
0.048
0.039
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0. | 0.011
0.048
0.052
0.061
0.059
0.036
0.024
0.023
0.011
0.011
0.011
0.012
0.025
0.036
0.036
0.050
0.050
0.037
0.037
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038 | -0.01
 | 97.07
85.95
86.16
85.30
88.12
94.77
95.44
97.31
98.32
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.33
98.53
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88.64
88
88
88
88
88
88
88
88
88
88
88
88
88 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
3.42
4.89
13.30
5.93
13.30
5.93
13.30
13.30
14.21
15.41
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 07 SW 25 06 SW 25 07 SW 26 05 SW 26 06 | 10.47
6.53
6.38
6.20
5.44
5.63
7.02
6.76
14.16
14.16
14.16
14.17
15.38
8.34
15.31
15.31
15.31
15.31
15.31
15.31
16.31
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17.05
17 | 0.08
0.04
0.04
0.05
0.06
0.06
0.06
0.08
0.09
0.01
0.05
0.05
0.06
0.06
0.06
0.06
0.06
0.06 | 4.27
4.76
2.41
3.26
1.78
1.02
0.82
0.27
0.35
2.51
3.41
4.58
7.59
1.68
0.38
1.25
2.17
2.17
2.18
4.76
2.19
2.19
2.19
2.19
2.19
2.19
2.19
2.19 |
0.032
0.027
0.027
0.029
0.034
0.030
0.040
0.050
0.050
0.027
0.027
0.013
0.049
0.049
0.072
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073 | 0.001
0.003
0.007
0.008
0.008
0.008
0.008
0.004
0.003
0.003
0.003
0.003
0.004
0.003
0.004
0.003
0.004
0.004
0.004
0.004
0.004
0.005
0.004
0.005
0.004
0.005 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 25.51 9.70 4.98 2.06 23.67 30.55 30.55 3.11 23.95 30.55 3.11 24.51 25.51 36.01 40.26 40.26 40.26 | 2,803 2,000 0,835 0,798 0,752 0,752 0,576 0,944 1,192 2,684 2,793 0,360 2,793 0,402 1,412 1,105 1,103 1,003
1,003 | 1.21
1.76
1.16
1.66
1.95
1.28
0.96
0.97
1.31
1.16
1.17
2.52
1.31
1.98
2.92
2.93
2.93
2.93
2.93
2.93
2.93
2.93 | 0.006 0.038 0.069 0.128 0.112 0.113 0.113 0.041 0.040 0.009 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.51
0.72
0.20
0.16
0.18
0.13
0.18
0.19
0.26
0.26
0.45
0.51
0.11
0.11
0.11
0.16
0.16
0.16
0.16
0.1 |
0.001
0.003
0.010
0.010
0.013
0.013
0.011
0.004
0.004
0.004
0.005
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003 | 0.065 0.083 0.504 1.069 0.540 0.632 0.632 0.639 0.065 0.065 0.065 0.062 0.031 0.085 0.056 0.052 0.051 0.085 0.056 0.057 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 | 0.496
1.915
0.113
0.374
0.509
0.106
0.196
0.196
0.196
0.192
0.198
0.480
0.480
0.480
0.955
0.955
0.955
0.955
0.979
0.079
0.079
0.079 |
28.54
31.59
28.54
32.18
27.52
42.16
67.61
69.81
69.81
71.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83
17.83 | 0.533
0.252
0.230
0.195
0.163
0.224
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0.325
0. | 0.027
0.171
0.186
0.222
0.199
0.194
0.070
0.071
0.046
0.046
0.048
0.048
0.048
0.054
0.155
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161 |
0.011
0.048
0.052
0.052
0.053
0.059
0.024
0.024
0.024
0.050
0.051
0.051
0.051
0.051
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053 | -0.01 | 97.07
85.95
86.16
86.16
88.12
94.77
94.77
97.31
94.79
88.04
88.04
88.04
88.04
88.04
88.04
88.04
88.04
88.04
88.05
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10 |
7.21
10.21
10.66
10.77
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
1 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 W 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 25 | 10.47
6.53
6.36
6.20
5.44
5.46
14.16
14.82
4.95
4.95
4.95
15.53
11.31
8.96
15.53
11.31
8.96
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64
15.64 | 0.08 0.09 0.09 0.00 0.00 0.00 0.00 0.00 | 4.27
4.76
3.45
2.41
3.26
1.78
1.02
0.28
0.27
0.35
2.51
3.43
4.58
0.27
0.35
2.51
1.65
0.47
0.36
1.75
2.15
2.16
2.16
2.16
2.16
2.16
2.16
2.16
2.16 | 0.032
0.027
0.027
0.029
0.034
0.040
0.040
0.040
0.050
0.050
0.027
0.013
0.049
0.049
0.049
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077 | 0.001
0.003
0.007
0.008
0.008
0.008
0.008
0.004
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 25.51 9.70 4.98 2.06 23.67 30.55 | 2,803 2,000 0,835 0,798 0,752 0,752 0,576 0,944 1,192 2,793 0,360 2,793 0,402 1,790 0,402 1,790 0,402 1,790 0,402 1,003 0,606 0,414 0,414 0,414 0,414 0,414 0,414 0,414 0,414 0,414 0,414 0,414 0,416 0,414 0,416 |
1.23
1.76
1.16
1.16
1.16
1.16
1.16
1.17
1.18
1.18
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19 | 0.006 0.038 0.069 0.128 0.128 0.112 0.112 0.113 0.115 0.011 0.010 | 0.51
0.72
0.20
0.16
0.14
0.13
0.16
0.26
0.26
0.26
0.45
0.51
0.11
0.11
0.11
0.12
0.16
0.16
0.11
0.11
0.11
0.16
0.16 | 0.001 0.003 0.010 0.010 0.010 0.011 0.011 0.004 0.004 0.004 0.005 0.006
 | 0.065 0.081 0.504 1.069 0.540 0.632 0.632 0.632 0.065 | 0.496 1.915 0.113 0.374 0.309 0.309 0.100 0.309 0.196 0.197 0.192 0.718 0.504 0.480 0.360 1.643 2.214 0.555 0.957 0.447 0.075 0.075 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 0.077 | 28.54
31.59
28.54
32.18
42.18
42.36
67.51
69.04
66.81
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34
31.34 |
0.533
0.252
0.252
0.195
0.163
0.163
0.175
0.315
0.782
0.821
0.315
0.116
0.151
0.116
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0. | 0.027 0.171 0.186 0.222 0.199 0.199 0.190 0.070 0.071 0.043 0.250 0.175 0.101 0.182 0.039 0.054 0.103 0.103 0.103 0.103 0.103 0.101 0.187 0.197 0.197 0.197 0.197 0.197 0.197 0.197 0.197 | 0.011
0.048
0.052
0.053
0.059
0.036
0.036
0.011
0.011
0.011
0.011
0.012
0.023
0.027
0.027
0.021
0.014
0.015
0.015
0.016
0.016
0.016
0.016
0.016
0.017
0.017
0.017
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 97.07
85.95
86.16
86.16
85.30
86.17
96.47
95.44
93.47
98.32
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
98.32
97.10
97.10
98.32
97.10
98.32
97.10
98.32
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10 | 7.21
10.21
10.66
10.77
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
1 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 04 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 24 10 SW 24 13 Lost Core SW 24 10 SW 24 15 SW 25 07 S | 5.54
5.54
5.54
5.54
5.54
5.54
5.54
5.54 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 3.45
2.41
3.26
1.78
1.02
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03 | 0.032
0.027
0.027
0.029
0.034
0.030
0.040
0.050
0.050
0.025
0.025
0.031
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044 | 0.001 0.003 0.007 0.0008
 | 2.94
3.57
27.64
31.47
30.42
32.24
32.24
32.24
32.24
32.24
32.35
30.55
3.51
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55
30.55 | 2,803 2,000 0,835 0,798 0,752 0,576 1,976 |
1.23
1.16
1.14
1.16
1.16
1.16
1.16
1.16
1.16
1.17
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18 | 0.006 0.038 0.009 0.128 0.128 0.119 0.119 0.119 0.119 0.010 0.010 0.000 | 0.51
0.72
0.20
0.36
0.14
0.18
0.26
0.26
0.45
0.50
0.13
0.11
0.11
0.12
0.26
0.45
0.50
0.13
0.11
0.11
0.12
0.26
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36
0.36 | 0.001 0.003 0.010 0.010 0.010 0.011 0.011 0.001 0.001 0.002 0.003
 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.504 0.504 0.504 0.505 | 0.496
1.915
0.113
0.374
0.509
0.196
0.196
0.197
0.192
0.192
0.718
0.504
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360 | 65.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
77.83
31.37
72.25
71.76
32.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27
72.27 | 0.533
0.252
0.230
0.195
0.163
0.163
0.315
0.315
0.315
0.782
0.821
0.116
0.116
0.177
0.548
0.154
0.154
0.194
0.194
0.194
0.194
0.195
 | 0.027
0.171
0.136
0.136
0.139
0.134
0.070
0.071
0.060
0.071
0.060
0.071
0.060
0.071
0.060
0.071
0.060
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071 | 0.011
0.048
0.052
0.052
0.061
0.059
0.023
0.011
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 97.07
85.95
86.16
85.10
95.14
95.14
95.14
97.11
98.12
97.09
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
98.13
98.14
97.10
98.13
98.14
98.14
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15 | 7.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
4.59
13.40
15.44
19.91
13.80
6.42
13.81
13.81
13.81
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
13.83
1 |
| SW 24 07 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 05 SW 25 06 SW 25 05 SW 25 06 SW | 5.54
5.54
5.54
5.53
5.54
5.63
5.63
5.63
5.63
5.63
5.63
5.63
5.63 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 3.45
3.46
3.26
1.78
1.02
1.03
1.03
1.03
1.04
1.03
1.03
1.04
1.04
1.05
1.05
1.05
1.06
1.06
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07
1.07 | 0.032
0.027
0.027
0.029
0.034
0.030
0.040
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 0.001 0.003 0.007 0.003 0.007 0.008 0.008 0.008 0.008 0.008 0.008 0.009
 | 2.94
3.57
27.64
31.47
30.42
32.24
32.24
32.24
32.24
32.24
32.35
30.55
3.15
4.51
23.95
30.55
4.51
23.95
30.51
4.52
24.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
4.73
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
27.63
2 | 2,803 2,000 0,835 0,798 0,798 0,798 1,992 0,592 1,992 0,899 0,592 0,402 1,432 |
1.23
1.16
1.14
1.16
1.16
1.16
1.16
1.16
1.16
1.17
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18
1.18 | 0.009 0.039 0.128 0.128 0.128 0.119 0.119 0.119 0.010 | 0.51
0.72
0.20
0.34
0.18
0.18
0.26
0.26
0.45
0.30
0.13
0.11
0.11
0.12
0.26
0.45
0.50
0.13
0.11
0.11
0.12
0.26
0.30
0.13
0.13
0.13
0.13
0.13
0.14 | 0.001 0.003 0.010 0.010 0.010 0.011 0.011 0.001
 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.504 0.504 0.504 0.505 | 0.496
1.915
0.113
0.374
0.509
0.196
0.196
0.197
0.192
0.192
0.718
0.504
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360
0.360 | 65.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
77.83
31.37
72.20
71.76
32.37
48.48
36.46
36.43
36.43
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71
37.71 | 0.533
0.252
0.230
0.195
0.163
0.224
0.325
0.335
0.782
0.325
0.782
0.346
0.116
0.116
0.176
0.477
0.524
0.154
0.155
0.782
0.194
0.195
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.195
 | 0.027
0.171
0.136
0.136
0.139
0.134
0.070
0.061
0.071
0.060
0.150
0.071
0.060
0.150
0.071
0.060
0.175
0.060
0.175
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071 | 0.011
0.048
0.052
0.052
0.061
0.059
0.023
0.011
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 97.07
85.95
86.16
85.17
86.16
85.12
94.77
95.44
97.11
86.87
97.10
97.10
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
98.13
98.14
98.14
98.14
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15
98.15 | 7.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
4.59
13.40
15.44
19.91
13.80
6.42
6.42
11.55
11.54
11.55
11.56
11.57
11.58
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11.59
11 |
| SW 24 03 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 05 SW | 6.36
6.30
6.20
6.20
5.44
5.42
5.43
14.42
4.42
4.43
15.51
11.31
4.47
4.47
4.47
4.47
4.47
4.47
4.47
4.4 | 0.05
0.05
0.05
0.05
0.05
0.09
0.09
0.09 | 1.45 1.45 1.45 1.45 1.45 1.46 1.47 1.48 1.49 1.49 1.49 1.49 1.49 1.49 1.49 1.49 | 0.032
0.027
0.027
0.027
0.028
0.034
0.036
0.050
0.050
0.050
0.050
0.050
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051 | 6,001 6,003 6,007 6,007 6,007 6,008 6,008 6,008 6,009
6,009 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 39.91 9.70 4.98 2.60 38.73 37.61 23.95 30.55 3.11 4.51 23.95 30.55 23.17 24.91 24.92 25.51 25.51 25.51 25.51 25.52 20.66 21.46 6.21 3.42 2.75 | 2.803 2.000 0.835 0.798 0.752 0.576 0.944 1.392 1.396 2.684 2.793 0.362 0.402 1.1303 0.623 0.402 1.1303 0.624 0.403 0.404 0.414 0.944 0.9414 0 |
1.23
1.76
1.16
1.16
1.16
1.16
1.16
1.16
1.17
1.18
1.18
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19 | 0.006 0.038 0.069 0.128 0.112 0.119 0.119 0.119 0.110 | 0.51
0.72
0.20
0.16
0.14
0.13
0.16
0.26
0.26
0.26
0.26
0.45
0.50
0.11
0.11
0.11
0.12
0.26
0.45
0.10
0.11
0.11
0.12
0.14
0.15
0.16
0.16
0.16
0.16
0.16
0.16
0.17
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18
0.18 | 0.001 0.003 0.010 0.013 0.013 0.013 0.011 0.004 0.004 0.004 0.005
 | 0.065 0.081 0.504 1.009 0.540 0.612 0.612 0.612 0.099 0.102 0.015 0.050 | 0.496
1.915
0.113
0.374
0.509
0.196
0.196
0.192
0.192
0.192
0.192
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480
0.480 | 28.54
32.18
29.52
42.18
42.28
42.76
42.76
42.76
42.76
42.76
42.76
43.76
44.8
45.76
46.81
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
41.34
4 |
0.533
0.252
0.230
0.195
0.163
0.163
0.225
0.325
0.782
0.821
0.115
0.115
0.176
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.376
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0. | 0.027
0.171
0.136
0.136
0.139
0.199
0.199
0.079
0.079
0.079
0.071
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.055
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054 | 0.011 0.048 0.052 0.055 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.050 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 84.75
84.75
86.16
85.30
86.17
96.17
96.17
96.17
96.17
97.14
18.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19.17
19 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
9.08
9.08
15.41
15.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.44
19.4 |
| SW 24 03 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 26 05 SW 27 06 | 6.30
6.30
6.30
6.20
6.20
6.20
6.20
6.20
6.20
6.20
6.2 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 1.45
1.45
1.45
1.45
1.24
1.22
1.23
1.24
1.22
1.23
1.24
1.25
1.25
1.25
1.26
1.27
1.27
1.28
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29
1.29 |
0.032
0.027
0.027
0.027
0.028
0.030
0.046
0.046
0.025
0.025
0.027
0.027
0.021
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049 | 6,001 6,003 6,007 6,007 6,007 6,008 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 35.21 9.91 9.70 4.78 9.87,73 36.75 36. | 2.803 2.000 0.835 0.798 0.752 0.576 0.576 1.392 1.396 2.684 2.793 0.369 0.552 0.629 1.432 1.780 0.621 1.432 1.780 0.621 1.432 1.780 0.621 1.432 1.780 0.621 1.103 0.621
0.621 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1 | 0.006 0.038 0.069 0.128 0.119 0.119 0.119 0.119 0.119 0.100 0.001 0.001 0.001 0.001 0.000 | 0.51
0.72
0.20
0.16
0.14
0.13
0.18
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.30
0.11
0.11
0.12
0.13
0.13
0.11
0.12
0.13
0.14
0.15
0.16
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.26
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.27
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07
0.07 | 0.001 0.003 0.010 0.013 0.011 0.011 0.004 0.004 0.004 0.004 0.005 0.001 0.001 0.001 0.001 0.002 0.001 0.002 0.001 0.002 0.003 0.002 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003
 | 0.065 0.081 0.504 1.069 0.5504 0.5504 0.5504 0.5506 | 0.496
1.915
0.113
0.374
0.509
0.300
0.206
0.172
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.193
0.214
0.214
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295
0.295 | 28.54 32.18 32.18 32.18 32.18 32.18 32.18 32.18 32.36 32.31 32.31 33.34 31.34
 | 0.533
0.252
0.230
0.195
0.163
0.24
0.325
0.821
0.315
0.161
0.116
0.172
0.462
0.472
0.472
0.472
0.573
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.1 | 0.027
0.171
0.136
0.136
0.222
0.199
0.199
0.040
0.040
0.040
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054 | 0.011 0.048 0.052 0.055 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.050 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 91.07
85.95
86.16
85.30
85.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37
98.37 | 7.21
10.21
10.65
10.77
10.78
9.08
9.08
9.08
9.08
15.41
15.44
19.9
15.44
19.9
11.90
15.44
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
1 |
| SW 24 07 Lost Core SW 24 07 SW 24 07 SW 24 08 SW 24 11 SW 24 12 SW 24 13 SW 24 14 SW 24 14 SW 24 15 SW 25 08 SW 26 13 SW 26 14 SW 27 08 | 5.54
5.54
5.54
5.54
5.54
5.54
5.54
5.54
5.54
5.54
5.55
5.54
5.54
5.54
5.55
5.54
5.54
5.55
5.54
5.54
5.55
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70
5.70 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 3.45 2.41 3.26 1.78 1.02 2.51 1.68 2.51 1.68 2.51 1.68 2.51 1.68 2.67 2.75 2.17 2.17 2.18 3.66 1.78 3.66 3.66 3.66 3.66 3.66 3.66 3.66 3.6 |
0.032
0.027
0.027
0.029
0.034
0.030
0.046
0.050
0.050
0.025
0.013
0.042
0.031
0.044
0.077
0.031
0.049
0.077
0.031
0.031
0.031
0.040
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031 | 0.001 0.003 0.007 0.008 0.009 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.009 0.008 0.009 0.009 0.009 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 25.51 9.91 2.90 38.73 27.61 23.95 30.55 4.61 13.56 21.73 29.35 36.01 40.26 20.26 6.21 20.26 6.27 20.26 | 2,803 2,000 0,835 0,798 0,798 0,798 0,798 0,798 0,798 0,798 0,572
0,572 | 1.23
1.16
1.14
1.16
1.16
1.16
1.16
1.16
1.17
1.18
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19
1.19 | 0.006 0.038 0.009 0.128 0.128 0.117 0.119 0.117 0.119 0.001 0.000 | 0.51 0.72 0.20 0.16 0.16 0.34 0.13 0.18 0.26 0.45 0.45 0.45 0.45 0.45 0.45 0.13 0.11 0.11 0.11 0.11 0.11 0.11 0.11 | 0.001 0.003 0.010 0.010 0.010 0.011
 | 0.065 0.083 0.504 1.069 0.5504 0.5504 0.5504 0.5506 0.812 0.5506 0.812 0.5506 0 | 0.496
1.915
0.113
0.374
0.509
0.340
0.206
0.172
0.172
0.172
0.718
0.504
0.480
0.360
1.641
0.955
0.955
0.955
0.955
0.955
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971
0.971 |
65.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
09.48
31.34
31.27
22.50
71.81
71.81
36.45
22.50
36.45
36.45
36.45
37.83
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45
38.45 | 0.531
0.252
0.163
0.163
0.163
0.163
0.224
0.325
0.315
0.782
0.821
0.116
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0. | 0.027
0.171
0.136
0.136
0.136
0.136
0.137
0.134
0.070
0.071
0.043
0.136
0.137
0.134
0.071
0.043
0.136
0.137
0.136
0.137
0.136
0.137
0.136
0.137
0.136
0.137
0.136
0.137
0.137
0.136
0.137
0.136
0.137
0.137
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138 | 0.011 0.048 0.052 0.052 0.061 0.059 0.059 0.059 0.059 0.059 0.050
0.050 | 4001 4001 4001 4001 4001 4001 4001 4001 | 97.07
85.95
86.16
85.30
85.12
95.74
97.13
25.90
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10 |
7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
4.89
11.74
15.91
11.30
5.93
11.74
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
11.30
1 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 05 SW 25 06 SW 25 07 SW 25 05 SW 27 06 | 6.30
6.30
6.20
5.84
5.85
5.86
5.86
5.87
7.02
6.76
6.76
5.87
1.37
7.03
1.37
7.03
1.37
7.03
1.37
1.37
1.37
1.37
1.37
1.37
1.37
1.3 | 0.08 0.09 0.09 0.09 0.00 0.00 0.00 0.00 | 1.76
1.76
1.76
1.76
1.76
1.76
1.76
1.76 | 0.032 0.027 0.027 0.027 0.029 0.008 0.008 0.006 0.006 0.006 0.007 0.010 0.011 0.017
 | 0.001 0.003 0.007 0.008 | 2.94 3.57 27.64 3.1.47 30.42 32.24 25.51 9.91 9.91 9.90 9.87,73 27.61 13.56 21.73 25.13 20.39 36.01 4.55 3.11 4.55 3.11 4.51 29.35 36.01 4.52 21.73 22.35 36.01 4.52 22.26 6.21 22.26 6.21 22.26 6.21 3.42 22.26 6.21 3.42 22.26 6.21 3.42 3.42 22.26 32.07 36.03 34.55 34.03 34.05 | 2,803 2,000 0,835 0,798 0,798 0,798 0,792 0,572 0,576 0,944 1,392 1,396 0,402 1,432 1,780 0,402 1,432 1,780 1,106 1,105 1,003 0,606 0,414 0,606 0,414 0,606 0,414 0,780 0,810 0,810 1,175 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.009 0.039 0.009 0.128 0.128 0.117 0.119 0.119 0.011 0.000 | 0.51 0.72 0.20 0.16 0.14 0.18 0.18 0.19 0.10 0.10 0.10 0.10 0.10 0.10 0.11 0 | 0.001 0.003 0.019 0.019 0.010 0.011 0.007 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.005 0.005 0.005 0.005 0.006
 | 0.065 0.083 0.504 1.069 0.5504 0.6812 0.297 0.297 0.20 | 0.496 1.915 0.113 0.374 0.509 0.340 0.206 0.172 0.172 0.172 0.192 0.718 0.504 0.480 0.360 1.641 0.955 0.097 0.077 1.008 0.854 1.115 1.815 1.117 0.403 0.112 0.025 0.005 | 65.78
31.59
28.54
32.18
29.52
42.36
67.61
69.04
66.81
69.04
31.34
31.27
22.50
71.81
71.76
63.23
48.48
36.46
23.16
64.93
37.83
31.34
64.93
64.93
65.93
66.81
67.61
67.61
69.04
66.81
69.04
66.81
69.04
66.81
69.04
66.81
67.61
69.04
68.81
69.04
68.81
69.04
68.81
69.04
68.81
69.04
68.81
69.04
68.81
69.04
68.81
69.04
68.81
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69.04
69 |
0.531
0.252
0.163
0.163
0.163
0.224
0.325
0.315
0.782
0.821
0.116
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0. | 0.027
0.171
0.136
0.136
0.136
0.139
0.134
0.070
0.071
0.043
0.134
0.070
0.043
0.134
0.071
0.043
0.135
0.136
0.136
0.137
0.142
0.136
0.137
0.136
0.137
0.136
0.137
0.136
0.137
0.136
0.137
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138 | 0.011 0.048 0.052 0.052 0.061 0.059 0.059 0.059 0.050 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 97.07
85.95
86.16
85.30
86.12
94.77
95.44
97.31
22.90
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
4.89
15.44
19.91
13.30
5.93
14.70
15.41
19.91
13.30
14.70
15.41
19.91
13.30
14.70
15.41
19.91
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
11.54
1 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 05 SW 27 05 | 5.50
6.30
6.30
6.30
6.30
6.30
6.44
6.50
6.45
6.45
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47
6.47 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 1.45
1.45
1.45
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78
1.78 | 0.032 0.027 0.027 0.027 0.034 0.036 0.046 0.046 0.055 0.027 0.011 0.049 0.049 0.049 0.049 0.049 0.049 0.069 0.072 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031 0.031
 | 0.001 0.003 0.007 0.008 0.008 0.008 0.008 0.008 0.009 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 9.70 4.98 2.90 38.73 27.95 30.55 5.31 4.55 5.31 4.55 6.20 4.99 31.51 26.28 4.99 27.75 5.20 58.35 59.40 59.60 5 | 2,803 2,000 0,835 0,798 0,752 0,576 0,944 1,976 1,976 1,976 0,576 0,576 0,576 1,976 |
1.23
1.76
1.146
1.146
1.146
1.146
1.15
1.28
1.29
1.30
1.30
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1.31
1. | 0.009 0.039 0.128 0.128 0.112 0.112 0.113 0.113 0.113 0.113 0.113 0.113 0.114 0.041 | 0.51 0.77 0.20 0.16 0.16 0.14 0.18 0.26 0.45 0.26 0.45 0.26 0.45 0.40 0.11 0.11 0.11 0.11 0.11 0.11 0.11 | 0.001 0.003 0.010 0.011 0.011 0.011 0.011 0.011 0.001
 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.505 | 0.496 1.915 0.113 0.374 0.309 0.300 0.300 0.390 0.392 0.392 0.392 0.392 0.392 0.392 0.392 0.392 0.393 0.393 0.393 0.073 | 28.54 32.18 |
0.533
0.252
0.230
0.195
0.163
0.163
0.224
0.325
0.315
0.315
0.315
0.315
0.315
0.316
0.317
0.316
0.116
0.316
0.378
0.472
0.472
0.472
0.472
0.472
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.195
0.196
0.196
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197 | 0.027
0.171
0.126
0.126
0.129
0.134
0.071
0.066
0.071
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175 | 0.011 0.048 0.052 0.052 0.053 0.059 | (40)1
(40)1 | 51.07
85.35
86.16
85.30
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
5.42
5.43
13.90
14.70
14.71
14.91
15.91
16.92
16.92
16.92
16.93
14.73
14.73
14.73
15.94
14.74
14.74
14.74
14.71
14.71 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 07 SW 25 06 SW 27 07 | 5.50
6.20
6.20
5.44
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.43
5.44
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70
6.70 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 1.45
1.45
1.45
1.78
1.78
1.02
1.78
1.02
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03 |
0.032
0.027
0.027
0.029
0.034
0.030
0.040
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 0.001 0.003 0.007 0.008 | 2.94 3.57 27.64 3.1.47 30.42 32.24 32.24 32.24 9.70 4.98 2.90 38.73 22.93 30.55 5.31 4.65 13.59 22.73 32.61 4.52 22.72 22.22 22.23 32.73 32.61 5.42 6.28 6.29 6.21 5.42 6.21 5.42 6.21 5.43 6.50 6.21 6.21 5.43 6.50 6.31 6.51 6.51 6.51 6.52 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 | 2,803 2,000 0,835 0,798 0,752 0,576 0,576 0,944 1,976 1,976 1,976 0,575 0,572
0,572 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1 | 0.009 0.039 0.128 0.128 0.112 0.112 0.113 0.113 0.113 0.113 0.113 0.114 0.041 0.041 0.041 0.041 0.041 0.040 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 | 0.51 0.77 0.20 0.16 0.14 0.14 0.18 0.26 0.26 0.45 0.26 0.45 0.45 0.26 0.45 0.13 0.11 0.11 0.11 0.11 0.11 0.11 0.11 | 0.001 0.003 0.010 0.010 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.004 0.002 0.004 0.002 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.005 0.004 0.005 0.006
 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.505 | 0.496 1.915 0.113 0.374 0.309 0.300 | 28.54 32.18
 | 0.533
0.252
0.230
0.195
0.163
0.163
0.224
0.325
0.315
0.315
0.316
0.317
0.317
0.317
0.317
0.317
0.317
0.317
0.318
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0. | 0.027
0.171
0.126
0.126
0.129
0.134
0.071
0.060
0.071
0.071
0.170
0.054
0.071
0.170
0.054
0.054
0.054
0.071
0.170
0.054
0.054
0.071
0.054
0.071
0.054
0.054
0.071
0.054
0.071
0.054
0.054
0.071
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054 | 0.011 0.048 0.052 0.052 0.053 0.059 0.059 0.059 0.059 0.059 0.050 | (40)1
(40)1 | 51.07
85.95
86.16
85.30
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
5.42
5.43
13.90
14.70
14.71
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
1 |
| SW 24 03 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 25 07 SW 25 06 SW 25 07 SW 25 05 SW 25 06 SW 25 07 SW 27 07 SW 27 06 SW 27 06 SW 27 06 SW 27 10 | 6.36
6.36
6.20
6.20
5.61
5.61
5.62
5.62
5.63
5.63
5.63
5.63
5.63
5.63
5.63
5.63 | 0.05 0.05 0.07 0.09 0.09 0.09 0.09 0.09 0.09 0.09 | 1.45 2.41 1.76 2.41 1.76 2.41 1.76 2.41 1.76 2.41 1.76 2.41 1.76 1.76 1.76 1.76 1.76 1.76 1.76 1.7 | 0.032 0.027 0.027 0.027 0.029 0.030 0.040 0.040 0.050 0.050 0.050 0.050 0.051 0.061
 | 0.001 0.003 0.007 0.008 | 2.94 3.57 27.64 3.1.47 30.42 25.51 9.91 9.91 2.9.95 3.0.73 27.61 4.99 30.55 4.61 13.56 21.73 29.35 36.01 40.99 31.51 26.26 21.46 6.21 27.76 52.07 26.07 36.07 36.05 38.35 27.79 22.22 27.76 32.07 36.05 38.35 27.79 36.07 36.05 | 2,803 2,000 0,835 0,798 0,792 0,792 0,575 0,576 0,944 1,392 1,392 1,396 0,402 1,432 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.038 0.009 0.128 0.128 0.112 0.119 0.119 0.119 0.119 0.110 0.100 0.000 | 0.51 0.72 0.20 0.16 0.34 0.18 0.18 0.18 0.19 0.20 0.20 0.20 0.20 0.20 0.20 0.31 0.11 0.11 0.11 0.11 0.11 0.11 0.1 | 0.001 0.003 0.019 0.019 0.011 0.007 0.004 0.004 0.004 0.004 0.004 0.004 0.005 0.006
 | 0.065 0.083 0.504 1.069 0.504 0.612 0.613 0.612 0.613 | 0.496 1.915 0.113 0.374 0.309 0.509 0.196 0.196 0.196 0.197 0.392 0.504 0.460 0.504 0.460 0.460 0.460 0.505 0.504 0.461 1.641 0.274 0.075 | 28.54 28.54 31.59 28.54 32.18 32.18 42.36 67.61 69.04 66.81 31.34 31.34 31.34 31.71 70.66 63.21 63.21 63.21 64.48 71.70 64.49 71.81 71.81 71.81 71.81 71.81 71.81 71.81 71.81 71.81 71.81 |
0.533
0.252
0.252
0.195
0.163
0.163
0.175
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0.315
0. | 0.027
0.171
0.196
0.198
0.199
0.199
0.199
0.040
0.040
0.040
0.040
0.050
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150 | 0.011 0.048 0.052 0.055 0.059 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 97.07
85.95
86.16
86.16
85.30
88.12
95.44
95.12
95.44
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12
95.12 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
9.08
9.08
9.53
5.41
15.44
19.9
15.44
19.9
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11.90
11 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 07 SW 25 06 SW 27 07 | 6.38 6.30 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.2 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 1.45
1.45
1.45
1.78
1.78
1.02
1.78
1.02
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03 |
0.032
0.027
0.027
0.029
0.034
0.030
0.040
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 0.001 0.003 0.007 0.008 | 2.94 3.57 27.64 3.1.47 30.42 32.24 32.24 32.24 9.70 4.98 2.90 38.73 22.93 30.55 5.31 4.65 13.59 22.73 32.61 4.52 22.72 22.22 22.23 32.73 32.61 5.42 6.28 6.29 6.21 5.42 6.21 5.42 6.21 5.43 6.50 6.21 6.21 5.43 6.50 6.31 6.51 6.51 6.51 6.52 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 | 2,803 2,000 0,835 0,798 0,752 0,576 0,576 0,944 1,976 1,976 1,976 0,575 0,572
0,572 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1 | 0.009 0.039 0.128 0.128 0.112 0.112 0.113 0.113 0.113 0.113 0.113 0.114 0.041 0.041 0.041 0.041 0.041 0.040 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 0.090 | 0.51 0.77 0.20 0.16 0.14 0.14 0.18 0.26 0.26 0.45 0.26 0.45 0.45 0.26 0.45 0.40 0.11 0.11 0.11 0.11 0.11 0.11 0.11 | 0.001 0.003 0.010 0.010 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.004 0.002 0.004 0.002 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.005 0.004 0.005 0.006
 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.505 | 0.496 1.915 0.113 0.374 0.309 0.300 | 28.54 32.18
 | 0.533
0.252
0.230
0.195
0.163
0.163
0.224
0.325
0.315
0.315
0.316
0.317
0.317
0.317
0.317
0.317
0.317
0.317
0.318
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0. | 0.027
0.171
0.126
0.126
0.129
0.134
0.071
0.060
0.071
0.071
0.170
0.054
0.071
0.170
0.054
0.054
0.054
0.071
0.170
0.054
0.054
0.071
0.054
0.071
0.054
0.054
0.071
0.054
0.071
0.054
0.054
0.071
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054 | 0.011 0.048 0.052 0.052 0.053 0.059 0.059 0.059 0.059 0.059 0.050 | (40)1
(40)1 | 51.07
85.95
86.16
85.30
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86.17
86 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
5.42
5.43
13.90
14.70
14.71
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
14.91
1 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 05 SW 25 05 SW 25 06 SW 25 07 SW 27 07 SW 27 07 SW 27 11 SW | 5.38
6.30
6.30
6.30
6.30
6.44
6.50
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40
6.40 | 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 | 1.45
1.45
1.24
1.78
1.02
1.78
1.02
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03 | 0.032
0.027
0.027
0.029
0.034
0.030
0.049
0.050
0.050
0.027
0.027
0.027
0.027
0.027
0.031
0.049
0.049
0.049
0.049
0.049
0.049
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 0.001 0.003 0.007 0.008
 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 32.24 32.35 3.0.55 3.11 3.60 31.56 31.56 31.56 31.56 31.73 32.51 30.55 3.11 3.56 31.56 31.73 32.51 30.55 3.11 3.56 31.73 32.51 3 | 2.803 2.000 0.835 0.798 0.752 0.576 0.944 1.992 0.552 0.552 0.629 0.402 1.432 1.306 0.552 0.402 0.402 1.432 1.306 0.810 0.216 0.810 0.136 0.810 0.136 0.833 0.833 0.833 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.039 0.128 0.128 0.128 0.112 0.113 0.113 0.113 0.113 0.114 0.115 0.041 0.041 0.041 0.040 0.050 | 0.51 0.72 0.20 0.36 0.14 0.18 0.18 0.26 0.26 0.45 0.30 0.13 0.11 0.11 0.11 0.12 0.26 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 | 0.001 0.003 0.010 0.010 0.011 0.011 0.011 0.011 0.001 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.504 0.504 0.505
0.505 | 0.496 1.915 0.113 0.374 0.374 0.396 0.396 0.396 0.396 0.397 0.392 0.393 0.498 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.496 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.497 0.797 0.097 | 28.54 32.18 33.18 | 0.533
0.252
0.230
0.195
0.163
0.254
0.375
0.375
0.375
0.375
0.375
0.376
0.377
0.472
0.472
0.472
0.472
0.472
0.472
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.195
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.
 | 0.027
0.171
0.171
0.186
0.222
0.199
0.199
0.191
0.060
0.271
0.060
0.271
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191 | 0.011 0.048 0.052 0.052 0.053 0.059 0.059 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 | 4001 4001 4001 4001 4001 4001 4001 4001 |
57.07
85.95
86.16
85.30
86.17
95.44
97.11
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12
98.12 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
5.53
5.41
15.91
15.91
15.91
16.92
16.92
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
16.93
1 |
| SW 24 03 Lost Core SW 24 02 SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 25 06 SW 25 06 SW 25 07 SW 27 06 SW 27 06 SW 27 10 SW 27 10 SW 27 11 SW | 6.38 6.30 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.2 | 0.08 | 1.45 1.45 1.46 1.26 1.26 1.27 1.28 1.28 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 | 0.032 0.027 0.027 0.027 0.029 0.034 0.040 0.040 0.050 0.050 0.051 0.077 0.071 | 0.001 0.003 0.007 0.008
 | 2.94 3.57 27.64 31.47 30.42 25.51 9.91 9.91 2.9.95 3.0.73 27.61 3.1.15 29.95 30.55 4.61 13.56 21.73 29.35 36.01 40.26 20.26 21.46 6.21 27.26 21.46 6.21 3.46 6.21 3.47 3.47 3.47 3.47 3.47 3.47 3.47 3.47 | 2,803 2,000 0,835 0,798 0,792 0,792 0,576 0,944 1,392 1,396 0,100 1,392 1,432 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.038 0.009 0.128 0.128 0.112 0.119 0.119 0.119 0.119 0.110 0.100 0.000 | 0.51 0.72 0.20 0.16 0.34 0.18 0.18 0.18 0.19 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2 | 0.001 0.003 0.019 0.019 0.011 0.007 0.004 0.004 0.004 0.004 0.004 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.007 0.006 0.006 0.007 0.006 0.007 0.008 | 0.065 0.083 0.504 1.069 0.504 0.612 0.612 0.799 0.622 0.799 0.622 0.799 0.622 0.799 0.622 0.799 0.623 0.634 0.656 0.656 0.656 0.656 0.656 0.656 0.656 0.657 0.799
 | 0.496 1.915 0.113 0.374 0.309 0.509 0.196 0.196 0.197 0.392 0.718 0.504 0.460 0.360 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.460 0.461 0.461 0.462 0.462 0.462 0.463 | 28.54 31.59 28.54 32.18 32.18 42.36 67.61 69.94 66.81 71.76 63.23 64.48 36.46 36.37 37.01 39.32 38.05 64.49 71.82 64.18 38.95 64.49 71.82 64.18 38.95 64.49 71.82 71.81 | 0.533
0.252
0.252
0.195
0.163
0.163
0.163
0.172
0.372
0.821
0.315
0.782
0.821
0.315
0.116
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.
 | 0.027
0.171
0.196
0.198
0.199
0.199
0.199
0.040
0.040
0.040
0.040
0.054
0.054
0.055
0.199
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175 | 0.011 0.048 0.052 0.055 0.059 | 4001 4001 4001 4001 4001 4001 4001 4001 |
97.07
85.95
86.16
86.16
85.30
88.12
95.44
95.22
88.32
96.87
96.87
96.87
96.87
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97
96.97 | 7.21
10.21
10.21
10.66
10.77
10.78
9.08
5.53
5.41
15.44
19.91
13.30
5.93
11.99
13.30
6.42
6.42
6.23
11.99
13.30
14.25
13.90
14.25
13.90
14.25
13.90
14.25
13.90
14.37
15.55
13.90
14.37
15.55
13.90
14.37
15.55
15.55
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16.21
16 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 03 SW 24 04 Lost Core SW 24 05 Lost Core SW 24 05 Lost Core SW 24 07 Lost Core SW 25 07 Lost Core SW 27 08 Lost Core SW 27 08 Lost Core SW 27 10 Lost Core SW 27 10 Lost Core SW 27 11 Lost Core SW 27 10 Lost Core SW 27 14 Lost Core | 6.36 6.30 6.30 6.30 6.30 6.30 6.30 6.30 | 0.08 0.09 0.09 0.09 0.09 0.09 0.09 0.09 | 1.45 2.41 3.26 3.26 3.26 3.26 3.26 3.27 3.28 3.29 3.29 3.29 3.29 3.29 3.29 3.29 3.29 | 0.032 0.027 0.027 0.027 0.028 0.028 0.028 0.028 0.020 0.031 0.027 0.031 0.049
 | 0.001 0.003 0.007 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.009 | 2.94 3.57 27.64 3.1.47 30.42 25.51 9.91 9.70 1.00 9.70 1.00 9.70 1.00 9.70 1.00 9.70 1.00 9.70 1.00 9.70 1.00 9.70 1.00 9.70 9.70 9.70 9.70 9.70 9.70 9.70 9 | 2.803 2.000 0.835 0.798 0.798 0.798 0.798 0.798 0.798 0.944 0.927 0.944 0.929 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.038 0.009 0.128 0.128 0.112 0.119 0.135 0.130 0.001 | 0.51 0.72 0.20 0.16 0.16 0.14 0.18 0.18 0.26 0.26 0.20 0.20 0.20 0.20 0.20 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.3 | 0.001 0.003 0.019 0.019 0.011 0.001
 | 0.065 0.083 0.504 1.069 0.504 0.612 0.612 0.612 0.612 0.612 0.612 0.612 0.612 0.613 0.612 0.613 | 0.496 1.915 0.113 0.374 0.309 0.196 0.196 0.196 0.196 0.196 0.718 0.504 0.480 0.360 0.360 1.643 2.214 0.075 0.075 0.075 1.813 0.075 1.008 0.864 1.115 1.117 0.065 1.117 0.075 0.075 0.075 0.075 0.077 | 28.54 32.18 32.18 32.18 32.18 42.36 67.51 69.04 66.81 71.76 63.23 48.48 36.45 23.16 23.16 24.21 30.64 24.21 30.64 24.21 30.65 30.77 30 |
0.533
0.252
0.252
0.195
0.163
0.163
0.163
0.172
0.372
0.821
0.315
0.372
0.821
0.315
0.116
0.378
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.558
0.103
0.103
0.104
0.104
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0. | 0.027 0.171 0.196 0.196 0.199 0.199 0.199 0.199 0.191 | 0.011 0.048 0.052 0.055 0.055 0.055 0.055 0.056 0.057 0.057 0.051 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 91.07
85.35
86.16
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30
85.30 | 7.21
10.21
10.21
10.77
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
1 |
| SW 24 03 Lost Core SW 24 09 SW 24 05 SW 24 15 SW 25 09 SW 25 10 SW 27 09 SW 27 09 SW 27 11 SW 27 10 SW 27 11 SW 27 10 SW 27 11 SW | 5.38
6.30
6.30
6.30
6.30
6.44
5.43
7.02
6.75
14.19
14.19
15.51
11.11
11.21
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.71
10.7 | 0.09 0.09 0.09 0.09 0.00 0.00 0.00 0.00 | 1.45
1.45
1.45
1.78
1.02
1.78
1.02
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03
1.03 | 0.032
0.027
0.027
0.029
0.034
0.030
0.050
0.050
0.050
0.051
0.072
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073 | 0.001 0.003 0.007 0.008
 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 32.24 32.24 32.35 30.55 3.11 3.56 31.5 | 2,803 2,000 0,835 0,798 0,752 0,576 0,944 1,972 1,976 1,976 0,575 0,629 0,402 1,432 1,780 0,402 1,432 1,780 0,810 0,218 0,418 0,128 0,418 0,128 0,418 0,128 0,418 0,128 0,418 0,128 0,418 0,128 0,418 0,128 0,418 0,138 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.039 0.128 0.128 0.112 0.113 0.113 0.113 0.113 0.113 0.114 0.115 0.041 0.041 0.041 0.040 0.050 | 0.51 0.72 0.20 0.36 0.14 0.18 0.18 0.26 0.26 0.45 0.30 0.13 0.11 0.11 0.12 0.26 0.45 0.30 0.13 0.11 0.11 0.11 0.11 0.11 0.11 | 0.001 0.003 0.010 0.010 0.011 0.011 0.011 0.011 0.001 0.001 0.002 0.003 | 0.065 0.083 0.504 1.069 0.504 0.504 0.504 0.504 0.504 0.504 0.505
0.505 | 0.496 1.915 0.113 0.374 0.374 0.396 0.396 0.396 0.396 0.397 0.392 0.393 | 65.78 31.59 28.54 32.18 29.52 42.36 67.51 69.04 66.51 31.37 | 0.533
0.252
0.230
0.195
0.163
0.246
0.325
0.315
0.315
0.316
0.317
0.472
0.472
0.472
0.472
0.472
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.195
0.196
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.
 | 0.027
0.171
0.171
0.186
0.222
0.199
0.199
0.071
0.060
0.071
0.060
0.071
0.060
0.071
0.061
0.071
0.071
0.061
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071 | 0.011 0.048 0.052 0.052 0.053 0.059 0.059 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 0.059 0.051 | 4001 4001 4001 4001 4001 4001 4001 4001 |
57.07
85.95
86.16
85.30
86.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96.17
96 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
5.42
5.43
13.91
13.91
13.91
13.91
14.92
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45 |
| SW 24 02 Lost Core SW 24 02 SW 24 02 SW 24 03 SW 24 04 SW 24 05 SW 25 05 SW 27 05 SW 27 05 SW 27 15 SW 27 16 SW | 5.38
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30
6.30 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 1.427
4.276
1.428
1.241
1.28
1.02
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1.251
1. | 0.032
0.027
0.027
0.028
0.030
0.040
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050 | 0.001 0.003 0.007 0.0008
0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 0.0008 | 2.94 3.57 27.64 31.47 30.42 32.24 32.24 32.24 32.24 32.35 30.55 3.11 3.56 30.55 3.11 3.56 3.13 3.61 3.51 3.61 3.51 3.61 3.51 3.62 3.73 3.63 3.63 3.63 3.63 3.63 3.63 3.63 | 2,803 2,000 0,835 0,798 0,795 0,796 0,796 1,996 0,806 1,996 0,597 0,402 1,432 1,780 0,402 1,432 1,780 0,402 1,432 1,780 0,402 1,432 1,780 0,402 1,432 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,402 1,780 0,403 0,403 1,780 0,403 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.009 0.039 0.128 0.128 0.128 0.119 0.119 0.119 0.119 0.119 0.010 | 0.51 0.72 0.20 0.16 0.16 0.14 0.18 0.18 0.18 0.26 0.26 0.26 0.30 0.13 0.11 0.11 0.12 0.26 0.30 0.13 0.11 0.11 0.12 0.26 0.30 0.13 0.11 0.11 0.12 0.26 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.3 | 0.001 0.003 0.010 0.011 0.011 0.001 0.011 0.001 | 0.065 0.083 0.504 1.069 0.5504
0.5504 | 0.496 1.915 0.113 0.374 0.374 0.206 0.396 0.196 0.196 0.197 0.192 0.392 0.392 0.393 0.504 0.504 0.506 0.506 0.506 0.507 0.507 0.507 0.617 0.121 0.007 0.073 | 65.78 31.59 28.54 32.18 29.52 42.36 67.51 69.04 13.33 13.77 17.76 63.13 17.77 18.48.48 18.48 18.48 17.27 17.17 18.50 18. | 0.5313
0.252
0.230
0.195
0.163
0.224
0.325
0.315
0.325
0.315
0.316
0.316
0.316
0.316
0.316
0.316
0.317
0.472
0.821
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0.378
0
 | 0.027
0.171
0.176
0.186
0.222
0.199
0.199
0.190
0.071
0.060
0.175
0.100
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175 | 0.011 0.048 0.052 0.052 0.053 0.059 | (401) |
97.07
85.95
86.16
85.30
86.17
95.44
97.11
98.12
97.14
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
98.12
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10
97.10 | 7.21
10.21
10.21
10.77
10.78
9.08
5.53
5.41
15.44
13.30
15.44
13.31
15.44
13.31
15.44
13.31
15.44
13.31
15.44
13.31
15.44
13.31
15.44
13.30
14.45
14.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
13.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.45
14.4 |
| SW 24 02 Lost Core SW 24 03 SW 24 03 SW 24 04 SW 24 05 SW 25 05 SW 27 10 | 6.36 6.30 6.30 6.30 6.30 6.30 6.30 6.30 | 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.09 | 1.45 2.41 3.26 3.26 3.26 3.26 3.26 3.26 3.26 3.26 | 0.032 0.027 0.027 0.027 0.028 0.038 0.048 0.050
 | 0.001 0.003 0.007 0.008 | 2.94 3.57 27.64 3.1.47 30.42 25.51 9.51 9.71 9.73 31.73 9.73 9.73 9.73 9.73 9.73 9.73 9.73 9 | 2,803 2,000 0,835 0,798 0,798 0,798 0,798 0,798 0,798 0,944 1,392 0,592 0,592 0,692 0,692 0,492 1,412 1,106 1,107 | 1.23 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1
 | 0.006 0.038 0.009 0.128 0.128 0.112 0.119 0.135 0.119 0.135 0.119 0.135 0.110 0.135 0.110 0.135 0.110 0.135 0.110 0.135 0.110 0.135 0.110 0.135 0.110 0.135 0.110 0.135 | 0.51 0.72 0.20 0.16 0.18 0.18 0.18 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 | 0.001 0.003 0.019 0.011 0.011 0.001 | 0.065 0.081 0.504 1.069 0.504 0.612 0.612 0.612 0.612 0.612 0.615 0.616
0.616 | 0.496 1.915 0.113 0.374 0.309 0.196 0.196 0.196 0.196 0.196 0.196 0.197 0.192 0.192 0.193 0.504 0.460 0.360 0.360 0.460 0.360 0.460 0.360 0.1643 0.271 0.073 0.075 0.0854 1.115 1.117 0.0854 1.117 0.106 0.854 1.117 0.093 | 28.54 32.18 32.18 32.18 32.18 42.36 47.51 69.94 66.81 97.48 17.176 63.23 48.48 18.48 18.48 18.49 19.171 17.176 63.23 48.48 18.49 19.18 |
0.533
0.252
0.252
0.195
0.163
0.163
0.163
0.163
0.172
0.821
0.315
0.782
0.821
0.315
0.116
0.378
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.472
0.558
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0. | 0.027 0.171 0.196 0.196 0.199 0.199 0.199 0.199 0.191 | 0.011 0.048 0.052 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.050 | 4001 4001 4001 4001 4001 4001 4001 4001
 | 91.07
85.95
86.16
85.30
86.16
85.30
85.30
86.17
95.44
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17
95.17 | 7.21
10.21
10.21
10.77
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
10.78
1 |

SW 28 10	3.21	0.07	22.98	0.011	0.004	8.16	0.668	0.71	0.097	0.51	0.011	6.164	0.433	35.00	0.162	0.042	0.019	<0.01	87.71	9.46
SW 28 11	6.67	0.07	1.38	0.033	0.002	5.60	1.304	0.80	0.021	0.24	0.002	0.298	1.695	74.29	0.347	0.051	0.014	<0.01	98.65	5.84
SW 28 12	8.13	0.07	0.96	0.051	0.004	3.68	1.601	0.79	0.009	0.27	0.002	0.177	1.119	76.83	0.423	0.043	0.013	<0.01	99.21	5.04
SW 28 13	9.24	0.05	14.80	0.026	0.002	3.26	1.790	1.31	0.036	0.28	0.003	0.229	1.416	49.89	0.489	0.032	0.009	<0.01	96.26	13.41
SW 28 14	12.63	0.08	0.39	0.039	0.002	3.47	2.461	1.14	0.011	0.37	0.002	0.063	1.221	70.83	0.681	0.045	0.012	<0.01	99.15	5.71
SW 28 15	10.12	0.06	4.23	0.031	0.003	4.16	2.025	1.05	0.021	0.34	0.002	0.054	1.838	66.56	0.567	0.037	0.011	<0.01	96.89	5.78
SW 29 01	15.39	0.13	1.09	0.018	0.004	4.45	2.957	1.24	0.005	0.43	0.003	0.052	0.574	63.82	0.847	0.055	0.010	<0.01	97.38	6.31
SW 29 02	15.58	0.09	0.79	0.015	0.003	5.62	3.048	1.29	0.006	0.41	0.001	0.066	0.294	62.59	0.831	0.059	0.011	<0.01	96.86	6.16
SW 29 03	7.79	0.07	2.00	0.019	0.007	29.54	1.225	1.06	0.134	0.17	0.009	0.743	0.071	31.61	0.343	0.155	0.046	<0.01	86.34	11.36
SW 29 04	8.64	0.07	2.53	0.021	0.006	27.17	1.361	1.23	0.070	0.15	0.006	0.642	0.067	34.01	0.386	0.174	0.043	< 0.01	87.07	10.49
SW 29 05	8.47	0.06	9.27	0.023	0.006	22.52	1.300	1.25	0.055	0.18	0.004	1.134	0.060	30.96	0.363	0.200	0.039	<0.01	88.97	13.08
SW 29 06 Lost Core										10000							7	1		
SW 29 07	7.18	0.04	4.82	0.019	0.007	31.56	1.022	1.28	0.096	0.13	0.008	0.696	0.083	26.02	0.296	0.180	0.047	<0.01	85.26	11.78
SW 29 08	5.90	0.05	3.90	0.023	0.007	32.51	0.768	1.17	0.091	0.15	0.010	1.179	0.099	27.59	0.212	0.187	0.058	<0.01	84.44	10.55
SW 29 09	4.18	0.04	6.69	0.023	0.004	19.72	0.761	0.85	0.173	0.15	0.009	0.418	0.607	45.03	0.166	0.084	0.033	<0.01	89.68	10.75
SW 29 10	5.57	0.04	10.39	0.023	0.005	17.12	0.723	0.74	0.149	0.14	0.013	0.463	4.630	35.47	0.172	0.093	0.060	<0.01	86.77	10.98
SW 29 11 Lost Core						1.0														
SW 29 12 Lost Core		-											1000		1					
SW 29 14	7.83	0.06	1.97	0.045	0.003	7.44	1.435	0.62	0.010	0.27	0.002	0.238	1.310	66.86	0.378	0.066	0.019	<0.01	96.06	7.52
SW 29 15	12.85	0.08	0.91	0.031	0.003	3.75	2.512	0.96	0.005	0.38	<0.001	0.147	1.119	66.85	0.692	0.045	0.006	<0.01	97.96	7.62
SW 29 16	12.70	0.08	0.44	0.031	0.002	3.33	2.525	0.96	0.004	0.39	<0.001	0.085	0.773	69.32	0.712	0.045	0.006	<0.01	97.96	6.56
SW 29 17	11.13	0.08	0.30	0.032	0.002	3.28	2.327	0.82	0.004	0.36	<0.001	0.060	0.782	72.52	0.644	0.044	0.004	<0.01	98.51	6.12
SW 30 01	15.36	0.09	0.48	0.018	0.003	4.17	2.918	1.55	0.011	0.46	0.003	0.050	0.859	65.31	0.841	0.053	0.016	<0.01	98.19	6.00
SW 30 02	15.76	0.09	0.40	0.018	0.003	4.85	3.006	1.61	0.011	0.45	0.004	0.049	1.130	63.16	0.836	0.056	0.015	<0.01	97.82	6.38
SW 30 03	10.21	0.06	1.74	0.024	0.004	18.30	1.708	1.18	0.052	0.28	0.004	0.437	0.067	47.82	0.482	0.160	0.038	<0.01	90.94	8.38
SW 30 04	9.31	0.07	2.52	0.022	0.007	24.69	1.537	1.27	0.087	0.20	0.005	0.505	0.293	37.13	0.432	0.167	0.038	<0.01	88.19	9.90
SW 30 05	7.68	0.06	5.02	0.017	0.007	27.86	1.231	1.18	0.094	0.16	0.005	0.859	0.061	30.18	0.345	0.153	0.037	< 0.01	86.62	11.67
SW 30 06	7.28	0.04	7.48	0.021	0.007	27.60	1.015	1.32	0.091	0.12	0.006	0.403	0.053	27.60	0.288	0.211	0.045	<0.01	87.43	13.87
SW 30 07	7.61	0.05	5.09	0.024	0.006	29.70	1.057	1.29	0.084	0.15	0.007	1.079	0.065	27.76	0.312	0.215	0.046	< 0.01	85.33	10.81
SW 30 08	6.36	0.04	2.94	0.028	0.007	36.73	0.657	1.28	0.079	0.12	0.009	0.645	0.045	22.77	0.208	0.254	0.065	< 0.01	83.56	11.34
SW 30 09	5.20	0.04	2.75	0.028	0.008	39.21	0.430	1.46	0.116	0.11	0.011	0.797	0.054	17.00	0.138	0.246	0.067	<0.01	82.03	14.37
SW 30 10	5.18	0.04	241	0.028	0.007	34.93	0.503	1.35	0.079	0.11	0.010	0.753	0.078	26.30	0.139	0.237	0.061	<0.01	84.11	11.91
SW 30 11	5.43	0.04	2.23	0.031	0.006	24.05	0.769	1.16	0.038	0.12	0.008	0.305	0.064	45.19	0.183	0.176	0.048	<0.01	89.03	9.19
SW 30 12	5.06	0.05	4.95	0.029	0.004	19.88	0.799	1.82	0.100	0.13	0.006	0.393	0.169	40.02	0.180	0.131	0.037	<0.01	90.20	16.46
SW 30 13	3.80	0.04	3.59	0.020	0.005	25.24	0.662	2.64	0.143	0.14	0.004	0.383	1.336	29.57	0.159	0.074	0.020	<0.01	87.49	19.68
SW 30 15	9.11	0.06	6.11	0.027	0.003	6.49	1.751	1.23	0.053	0.31	0.003	0.537	2.350	58.22	0.477	0.057	0.015	<0.01	94.60	7.80
SW 30 16	11.89	0.07	0.41	0.033	0.002	3.64	2.342	1.14	0.010	0.36	0.001	0.068	1.596	70.80	0.652	0.044	0.011	<0.01	98.41	5.34





Inspectorate Exploration & Mining Services Ltd. #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada Phone: 604-272-7818

Date Received: 06/25/2012

Date Completed: 06/28/2012

Invoice:

Distribution List

Attention: Andrew Reader

Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

Phone: 403-640-7977

EMail: andrew@ironstoneresources.com

Attention: Liam Murphy

EMail: liam@ironstoneresources.com

Submitted By: Ironstone Resources Ltd

Suite 200, 6125 11th SE

Calgary, Alberta T2H 2L6

Attention: Andrew Reader

Project: South Whitemud River 2012

Description: IR-01-06-12

LocationSamplesTypePreparation DescriptionVancouver, BC12PulpSP-PU/Handling of submitted samplesVancouver, BC238RockSP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg</td>

Location	Quantity	Method	Description
Vancouver, BC	227	NA-XF100	XRF Iron Ore

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of Inspectorate Exploration and Mining Services Ltd

Ву

Sefia Devota - Operations Manager

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

Sample	Sample	Al2O3 NA-XF100 %	BaO NA-XF100	CaO NA-XF100 %	Cr2O3 NA-XF100 %	Cu NA-XF100	Fe NA-XF100	K2O NA-XF100 %	MgO NA-XF100 %	Mn NA-XF100 %	Na2O NA-XF100 %	Ni NA-XF100 %	P NA-XF100 %	S NA-XF100 %	SiO2 NA-XF100
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
SW-01A 01	Rock	12.11	0.07	1.32	0.025	0.004	11.97	2.234	1.42	0.043	0.33	0.004	0.223	0.566	53.56
SW-01A 02	Rock	14.94	0.09	0.91	0.018	0.003	4.90	2.891	1.46	0.008	0.45	0.003	0.067	0.534	62.71
SW-01A 03	Rock	8.50	0.05	1.68	0.038	0.007	26.64	1.109	1.29	0.050	0.13	0.010	0.362	0.646	36.15
SW-01A 04	Rock	7.04	0.04	2.07	0.037	0.008	30.57	0.896	1.41	0.122	0.12	0.010	0.535	0.491	29.94
SW-01A 05	Rock	6.38	0.04	1.97	0.031	0.007	32.74	0.743	1.35	0.120	0.11	0.010	0.563	0.242	26.66
SW-01A 06	Rock	6.25	0.04	1.70	0.032	0.009	34.86	0.652	1.31	0.096	0.10	0.013	0.563	0.187	25.86
SW-01A 07	Rock	6.23	0.03	1.08	0.034	0.008	35.75	0.619	1.27	0.103	0.09	0.016	0.475	0.089	25.98
SW-01A 08	Rock	7.41	0.05	0.97	0.027	0.007	29.66	0.930	1.22	0.065	0.10	0.014	0.425	0.161	35.02
SW-01A 09	Rock	7.19	0.11	1.70	0.026	0.007	30.83	0.810	1.48	0.089	0.11	0.011	0.566	0.139	31.63
SW-01A 10	Rock	6.86	0.03	1.77	0.028	0.008	33.19	0.703	1.56	0.067	0.10	0.013	0.508	0.337	28.89
SW-01A 11	Rock	6.17	0.03	2.23	0.024	0.008	34.86	0.589	1.55	0.080	0.10	0.011	0.712	0.257	. 25.99
SW-01A 12	Rock	5.73	0.02	2.59	0.027	0.007	33.99	0.466	1.85	0.096	0.10	0.013	0.709	0.173	25.95
SW-01A 13	Rock	5.81	0.03	2.45	0.032	0.008	32.29	0.419	2.38	0.080	0.11	0.017	0.483	0.708	27.63
SW-01A 14	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-01A 15	Pulp	0.54	< 0.01	2.19	0.004	0.009	29.94	0.039	2.50	0.077	0.02	0.003	0.106	0.235	53.01
SW-01A 16	Rock	5.47	0.04	3.34	0.029	0.007	31.74	0.397	2.16	0.108	0.11	0.014	0.762	0.187	26.19
SW-01A 17	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-01A 18	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-01A 19	Rock	4.19	0.03	3.68	0.015	0.005	29.29	0.665	1.97	0.204	0.13	0.006	0.643	0.168	25.23
SW-01A 20	Rock	5.55	0.04	4.15	0.021	0.006	26.48	0.808	2.04	0.181	0.17	0.009	0.775	0.200	27.94
SW-01A 21	Rock	15.97	0.08	0.62	0.021	0.003	3.01	2.936	1.40	0.008	0.47	0.002	0.097	0.415	65.33
SW-01A 22	Rock	15.65	0.08	0.49	0.018	0.002	2.87	2.900	1.35	0.007	0.47	0.001	0.068	0.454	66.27
SW-01A 22D	Rock	15.73	0.08	0.55	0.021	0.003	2.95	2.910	1.34	0.008	0.47	0.003	0.070	0.514	66.39
SW-02A 01	Rock	6.97	0.07	3.75	0.022	0.006	24.10	1.056	1.58	0.106	0.18	0.005	0.862	0.109	34.89
SW-02A 02	Rock	6.89	0.04	2,26	0.028	0.006	29.52	0.893	1.61	0.119	0.12	0.009	0.595	0.066	30.31
SW-02A 03	Rock	6.01	0.03	1.35	0.028	0.006	33.45	0.640	1.39	0.096	0.10	0.009	0.401	0.103	26.26
SW-02A 03D	Rock	5.99	0.03	2.07	0.030	0.008	33.33	0.668	1.38	0.103	0.11	0.010	0.597	0.107	25.53
SW-02A 04	Rock	6.40	0.05	2.00	0.027	0.007	33.15	0.718	1.39	0.106	0.12	0.010	0.677	0.057	25.91
SW-02A 05	Rock	6.96	0.04	1.85	0.027	0.008	31.34	0.839	1.44	0.102	0.11	0.014	0.602	0.063	29.35
SW-02A 06	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 07	Rock	7.05	0.08	1.65	0.025	0.006	26.84	0.941	1.44	0.068	0.11	0.009	0.444	0.193	37.62
SW-02A 08	Rock	7.65	0.06	1.98	0.027	0.006	26.21	0.927	1.93	0.078	0.13	0.009	0.486	0.098	35.81
SW-02A 09	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 10	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 11	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 12	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 13	Rock	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-02A 14	Rock	6.27	0.04	2.80	0.022	0.007	29.49	0.740	2.36	0.120	0.11	0.011	0.515	0.133	26.64
SW-02A 15	Rock	4.34	0.03	3.75	0.016	0.007	31.39	0.676	1.93	0.174	0.13	0.007	0.734	0.240	23.21
SW-02A 16	Rock	14.91	0.09	0.50	0.019	0.003	3.39	2.802	1.40	0.013	0.48	0.005	0.087	0.767	67.16

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni Ni	P	S	SiO2
	0. 1	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100									
Sample Description	Sample Type	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	% 0.01	0.001	0.001	0.001	0.01
SW-02A 17	Rock	15.16	0.01	0.31	0.001	0.001	3.55	2.857	1.45	0.001	0.47	0.001	0.072	0.715	66.60
SW-02A 17	Rock	14.64	0.08	0.37	0.019	0.003	3.71	2.774	1.42	0.013	0.49	0.002	0.072	0.864	65.81
SW-02A 19	Pulp	0.53	< 0.01	2.19	0.005	0.008	29.94	0.034	2.50	0.077	0.02	0.002	0.105	0.239	52.93
SW-03A 01	Rock	15.54	0.09	0.37	0.018	0.003	4.32	2.963	1.63	0.013	0.48	0.003	0.063	0.635	64.70
SW-03A 02	Rock	14.93	0.09	0.31	0.017	0.003	5.83	2.819	1.56	0.011	0.46	0.003	0.052	0.421	63.30
SW-03A 03	Rock	7.33	0.06	1.66	0.025	0.007	26.51	1.147	1.11	0.105	0.18	0.007	0.230	0.128	37.81
SW-03A 04	Rock	8.27	0.09	4.08	0.026	0.006	25.23	1.248	1.17	0.113	0.20	0.008	1.152	0.126	34.75
SW-03A 05	Rock	NS	NS	NS	NS	NS									
SW-03A 06	Rock	7.51	0.06	5.73	0.025	0.007	24.95	1.081	1.37	0.097	0.15	0.010	0.475	0.258	34.08
SW-03A 07	Pulp	0.55	< 0.01	2.16	0.004	0.009	29.99	0.037	2.49	0.076	0.03	0.003	0.105	0.228	53.05
SW-03A 08	Rock	6.89	0.06	3.69	0.025	0.007	29.89	0.908	1.62	0.104	0.15	0.011	0.660	0.316	29.12
SW-03A 08D	Rock	6.80	0.05	4.26	0.025	0.006	28.94	0.893	1.56	0.110	0.15	0.011	0.766	0.275	29.70
SW-03A 09	Rock	6.32	0.04	2.93	0.027	0.007	30.15	0.769	2.06	0.142	0.13	0.012	0.476	0.178	26.98
SW-03A 10	Rock	6.49	0.04	2.62	0.027	0.006	28.73	0.804	2.11	0.134	0.13	0.011	0.435	0.275	29.12
SW-03A 11	Rock	6.70	0.04	3.27	0.038	0.006	25.42	0.961	2.22	0.089	0.15	0.010	0.593	0.459	32.39
SW-03A 12	Rock	NS	NS	NS	NS	NS									
SW-03A 13	Rock	6.64	0.05	2.87	0.034	0.005	20.97	1.177	2.17	0.068	0.14	0.040	0.459	0.307	39.75
SW-03A 14	Rock	5.69	0.05	2.52	0.027	0.005	21.85	1.062	1.85	0.104	0.14	0.005	0.505	0.081	41.88
SW-03A 15	Rock	6.90	0.08	1.41	0.024	0.004	14.10	1.350	1.26	0.046	0.20	0.007	0.264	0.263	58.84
SW-03A 16	Rock	12.52	0.08	0.72	0.025	0.003	7.66	2.343	1.44	0.022	0.37	0.004	0.160	0.638	63.19
SW-03A 17	Rock	14.61	0.09	0.32	0.021	0.004	5.40	2.710	1.55	0.011	0.45	0.005	0.066	0.649	64.93
SW-05 01	Rock	14.31	0.09	0.40	0.024	0.003	5.11	2.787	1.32	0.012	0.47	0.007	0.074	0.248	65.54
SW-05 02	Rock	11.59	0.07	2.34	0.020	0.005	16.80	1.967	1.15	0.055	0.32	0.008	0.530	0.901	46.70
SW-05 03	Rock	11.53	0.07	1.59	0.024	0.005	16.60	2.044	1.12	0.057	0.29	0.006	0.228	0.945	48.40
SW-05 04	Rock	15.85	0.09	0.44	0.020	0.003	4.01	3.120	1.33	0.008	0.46	0.002	0.065	0.297	64.96
SW-05 05	Rock	15.02	0.10	0.59	0.018	0.003	5.24	2.874	1.33	0.023	0.46	0.003	0.057	0.323	63.60
SW-05 06	Rock	14.30	0.10	0.57	0.018	0.004	9.90	2.639	1.40	0.061	0.39	0.006	0.066	0.180	56.58
SW-05 07	Rock	9.32	0.05	4.78	0.023	0.006	21.97	1.281	1.19	0.170	0.16	0.013	0.542	1.753	34.66
SW-05 08	Rock	7.92	0.04	2.07	0.026	0.007	30.04	1.002	1.23	0.093	0.10	0.013	0.265	0.790	31.37
SW-05 09	Rock	NS	NS	NS	NS	NS									
SW-05 10	Rock	6.45	0.06	2.07	0.030	0.008	33.94	0.705	1.22	0.109	0.11	0.012	0.700	0.177	26.76
SW-05 11	Rock	6.60	0.05	1.11	0.035	0.008	35.14	0.666	1.33	0.105	0.10	0.012	0.496	0.054	26.54
SW-05 12	Rock	NS	NS	NS	NS	NS									
SW-05 13	Rock	5.58	0.03	2.34	0.027	0.008	33.21	0.594	1.62	0.512	0.09	0.016	0.512	0.058	25.09
SW-05 14	Rock	6.10	0.03	1.23	0.025	0.008	36.64	0.610	1.38	0.061	0.09	0.011	0.468	0.106	25.98
SW-05 14D	Rock	5.81	0.04	1.81	0.025	0.007	36.68	0.591	1.28	0.063	0.10	0.010	0.628	0.141	24.79
SW-05 15	Rock	NS	NS	NS	NS	NS									
SW-05 16	Pulp	0.53	< 0.01	2.15	0.004	0.007	29.70	0.030	2.47	0.075	0.02	0.001	0.104	0.229	52.49
SW-05 17	Rock	5.60	0.07	2.18	0.031	0.007	27.89	0.696	0.97	0.067	0.14	0.009	0.716	0.102	39.37
SW-05 18	Rock	5.09	0.05	1.12	0.033	0.008	33.75	0.553	0.89	0.074	0.11	0.010	0.486	0.124	32.87

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

SiO	S	P	Ni	Na2O	Mn	MgO	K20	Fe	Cu	Cr2O3	CaO	BaO	Al2O3		
NA-XF10	NA-XF100														
9	%	%	%	%	%	%	%	%	%	%	%	%	%	Sample	Sample
0.0	0.001	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.01	0.01	0.01	Type	Description
27.1	0.061	0.533	0.011	0.11	0.111	1.56	0.688	33.57	0.008	0.032	1.56	0.03	6.85	Rock	SW-05 19
26.7	0.200	0.679	0.014	0.13	0.122	2.37	0.599	30.63	0.007	0.030	3.08	0.03	6.59	Rock	SW-05 20
26.1	0.368	0.724	0.015	0.13	0.102	2.82	0.475	30.30	0.007	0.031	3.62	0.05	6.15	Rock	SW-05 21
26.1	0.225	0.514	0.013	0.10	0.087	2.41	0.381	32.81	0.007	0.041	2.73	0.03	5.23	Rock	SW-05 22
24.6	0.517	0.732	0.022	0.12	0.102	2.37	0.467	31.77	0.007	0.031	3.57	0.03	5.78	Rock	SW-05 23
19.4	1.873	0.567	0.012	0.09	0.153	1.96	0.339	31.79	0.006	0.022	5.27	0.02	4.87	Rock	SW-05 24
63.6	0.978	0.091	0.005	0.45	0.016	1.14	2.408	5.30	0.003	0.018	1.28	0.16	13.32	Rock	SW-05 25
52.7	0.228	0.105	0.002	0.03	0.077	2.49	0.036	30.04	0.008	0.003	2.18	< 0.01	0.53	Pulp	SW-05 26
69.6	1.144	0.062	< 0.001	0.41	0.005	1.01	2.289	2.60	0.004	0.025	1.52	0.08	12.10	Rock	SW-05 27
69.8	1.011	0.063	< 0.001	0.42	0.005	1.02	2.274	2.50	0.003	0.023	1.25	0.07	12.29	Rock	SW-05 27D
66.2	0.756	0.075	< 0.001	0.47	0.006	1.18	2.685	3.48	0.002	0.022	0.52	0.08	14.48	Rock	SW-05 28
63.8	0.718	0.062	0.004	0.46	0.011	1.66	3.005	5.05	0.003	0.021	0.32	0.09	15.76	Rock	SW-06 01
64.2	0.660	0.061	0.003	0.46	0.011	1.64	2.994	4.89	0.004	0.018	0.37	0.09	15.79	Rock	SW-06 01D
60.6	0.780	0.086	0.004	0.40	0.020	1.61	2.676	7.58	0.004	0.020	0.57	0.09	14.65	Rock	SW-06 02
25.6	0.178	0.268	0.007	0.11	0.147	2.02	0.843	28.52	0.006	0.018	3.00	0.04	5.94	Rock	SW-06 03
31.6	0.256	0.247	0.009	0.12	0.090	1.81	0.921	28.15	0.006	0.031	1.60	0.04	7.41	Rock	SW-06 04
32.8	0.053	0.343	0.010	0.11	0.086	1.32	0.781	30.81	0.007	0.032	1.13	0.04	6.43	Rock	SW-06 05
26.5	0.045	0.826	0.010	0.12	0.101	1.40	0.764	32.40	0.007	0.030	2.72	0.05	6.59	Rock	SW-06 06
25.7	0.047	0.599	0.011	0.11	0.101	1.27	0.679	34.69	0.008	0.030	1.74	0.04	6.35	Rock	SW-06 07
27.2	0.045	0.484	0.011	0.11	0.104	1.30	0.768	33.84	0.007	0.029	1.40	0.04	6.62	Rock	SW-06 08
35.3	0.052	0.598	0.009	0.12	0.096	1.26	0.872	28.50	0.006	0.031	1.80	0.04	6.73	Rock	SW-06 09
35.9	0.327	0.457	0.015	0.13	0.087	1.41	0.903	27.01	0.006	0.025	1.76	0.05	6.90	Rock	SW-06 10
31.3	0.052	0.721	0.009	0.13	0.096	1.38	0.719	30.41	0.007	0.029	2.38	0.04	6.55	Rock	SW-06 11
30.5	0.064	0.452	0.011	0.12	0.101	1.56	0.788	31.12	0.007	0.029	1.50	0.04	7.15	Rock	SW-06 12
27.5	0.091	0.553	0.012	0.11	0.117	1.65	0.618	32.51	0.008	0.029	2.00	0.03	6.34	Rock	SW-06 13
27.3	0.100	0.568	0.010	0.11	0.097	1.69	0.566	32.86	0.007	0.026	2.17	0.03	5.97	Rock	SW-06 14
27.4	0.139	0.579	0.012	0.12	0.089	1.86	0.598	31.85	0.007	0.027	2.41	0.02	6.11	Rock	SW-06 15
26.7	0.223	0.678	0.012	0.11	0.112	1.87	0.525	31.90	0.007	0.026	2.94	0.03	5.52	Rock	SW-06 16
28.6	0.251	0.866	0.011	0.14	0.132	2.06	0.647	27.82	0.006	0.027	4.28	0.06	5.51	Rock	SW-06 17
24.7	0.130	0.444	0.008	0.13	0.115	2.53	0.769	26.13	0.006	0.025	5.93	0.04	5.60	Rock	SW-06 18
38.8	0.206	0.633	0.006	0.19	0.108	1.84	0.956	21.94	0.005	0.029	3.33	0.04	5.70	Rock	SW-06 19
51.4	0.418	0.496	0.006	0.20	0.072	1.43	1.074	16.43	0.004	0.030	2.51	0.05	5.60	Rock	SW-06 20
61.8	0.557	0.520	0.003	0.32	0.037	1.40	1.786	8.49	0.003	0.027	2.37	0.07	8.94	Rock	SW-06 21
68.7	0.502	0.089	0.004	0.47	0.011	1.43	2.779	3.11	0.004	0.021	0.33	0.08	14.71	Rock	SW-06 22
53.2	0.224	0.106	0.002	0.02	0.077	2.51	0.032	29.99	0.008	0.004	2.18	< 0.01	0.53	Pulp	SW-06 23
64.0	0.660	0.066	0.003	0.46	0.010	1.60	3.101	4.49	0.003	0.020	0.42	0.10	16.05	Rock	SW-07 01
62.7	0.793	0.064	0.004	0.43	0.012	1.56	2.827	6.07	0.003	0.019	0.46	0.09	14.95	Rock	SW-07 02
35.0	1.126	0.447	0.011	0.15	0.098	1.74	1.045	22.72	0.005	0.026	2.77	0.06	6.93	Rock	SW-07 03
36.0	0.326	0.491	0.008	0.15	0.085	1.85	1.166	22.77	0.006	0.029	2.81	0.06	8.22	Rock	SW-07 04
28.4	0.056	1.088	0.010	0.14	0.111	1.58	0.847	28.05	0.007	0.026	4.48	0.05	6.40	Rock	SW-07 05

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S	SiO2
		NA-XF100													
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
SW-07 06	Rock	6.69	0.05	2.26	0.029	0.007	30.26	0.859	1.49	0.115	0.12	0.010	0.532	0.031	29.49
SW-07 07	Rock	6.37	0.05	3.63	0.024	0.007	31.25	0.775	1.52	0.130	0.13	0.011	0.943	0.035	25.35
SW-07 08	Rock	6.53	0.04	1.76	0.031	0.007	33.34	0.669	1.44	0.088	0.11	0.010	0.479	0.030	27.28
SW-07 09	Rock	6.87	0.05	2.26	0.027	0.007	30.42	0.833	1.55	0.090	0.12	0.010	0.541	0.054	29.53
SW-07 10	Rock	6.72	0.04	2.47	0.027	0.006	27.86	0.826	1.80	0.098	0.12	0.011	0.436	0.219	31.76
SW-07 11	Rock	6.40	0.05	3.58	0.022	0.006	24.37	0.915	1.59	0.097	0.14	0.009	0.755	0.194	34.64
SW-07 12	Rock	7.03	0.06	4.37	0.023	0.005	23.15	1.064	1.48	0.105	0.16	0.008	1.081	0.286	35.07
SW-07 13	Rock	11.59	0.07	0.75	0.022	0.004	9.67	2.116	1.36	0.013	0.17	0.004	0.072	0.581	60.84
SW-07 14	Rock	9.97	0.06	1.25	0.021	0.004	12.94	1.759	1.39	0.038	0.17	0.004	0.183	0.448	55.50
SW-07 15	Rock	6.04	0.05	3.33	0.024	0.005	22.07	0.902	1.79	0.106	0.13	0.007	0.488	0.435	38.80
SW-07 16	Rock	6.80	0.06	2.71	0.024	0.005	23.52	0.922	1.65	0.080	0.14	0.009	0.525	0.305	39.17
SW-07 17	Rock	6.82	0.05	2.80	0.024	0.005	20.92	0.986	1.83	0.070	0.13	0.007	0.451	0.450	40.21
SW-07 18	Rock	5.81	0.04	2.95	0.036	0.005	20.95	0.856	1.97	0.083	0.13	0.024	0.501	0.731	40.32
SW-07 18D	Rock	5.79	0.04	3.31	0.030	0.005	20.17	0.852	1.98	0.081	0.14	0.007	0.603	0.718	40.95
SW-07 19	Rock	3.69	0.03	3.57	0.021	0.006	25.90	0.644	2.22	0.149	0.12	0.004	0.495	0.664	29.17
SW-07 20	Rock	NS													
SW-07 21	Rock	NS													
SW-07 22	Rock	NS													
SW-07 23	Rock	NS													
SW-07 24	Rock	9.18	0.05	0.78	0.026	0.004	10.46	1.654	1.23	0.021	0.15	0.005	0.122	0.555	63.05
SW-07 25	Rock	10.96	0.07	0.73	0.033	0.004	9.84	2.005	1.37	0.017	0.17	0.004	0.122	0.517	62.45
SW-07 26	Rock	8.77	0.06	1.60	0.022	0.005	15.06	1.559	1.57	0.058	0.17	0.004	0.261	0.637	51.41
SW-07 27	Rock	5.58	0.05	2.71	0.025	0.005	22.31	0.796	1.75	0.100	0.13	0.007	0.484	0.741	40.34
SW-07 28	Rock	6.50	0.04	2.73	0.028	0.006	24.87	0.854	1.84	0.088	0.14	0.007	0.543	0.438	35.66
SW-07 29	Rock	6.72	0.04	2.77	0.029	0.006	23.40	0.922	1.91	0.077	0.15	0.010	0.560	1.042	37.77
SW-07 30	Rock	5.72	0.05	4.26	0.017	0.005	23.97	0.909	2.23	0.097	0.15	0.006	0.836	0.398	31.65
SW-07 31	Pulp	0.53	< 0.01	2.19	0.005	0.008	29.83	0.032	2.51	0.076	0.02	0.002	0.104	0.229	53.01
SW-09 01	Rock	14.95	0.10	0.46	0.022	0.003	4.29	2.828	1.24	0.008	0.49	0.003	0.043	0.251	65.95
SW-09 02	Rock	13.33	0.07	0.51	0.027	0.003	7.65	2.288	1.14	0.009	0.38	0.005	0.099	0.199	62.51
SW-09 03	Rock	8.24	0.06	1.86	0.021	0.007	28.48	1.179	1.10	0.140	0.14	0.013	0.572	0.351	31.52
SW-09 04	Rock	10.01	0.06	3.23	0.023	0.005	19.55	1.595	1.23	0.085	0.16	0.009	0.732	0.637	39.52
SW-09 05	Rock	9.30	0.06	2.29	0.024	0.005	21.22	1.395	1.09	0.098	0.20	0.009	0.533	0.436	40.88
SW-09 06	Rock	11.03	0.06	2.16	0.023	0.005	16.14	1.821	1.17	0.070	0.20	0.008	0.380	0.639	47.79
SW-09 07	Rock	7.97	0.05	2.41	0.020	0.006	25.01	1.347	1.04	0.135	0.16	0.007	0.451	0.676	37.34
SW-09 08	Rock	7.94	0.06	2.40	0.021	0.006	24.96	1.365	1.03	0.133	0.16	0.006	0.447	0.675	37.35
SW-09 09	Rock	6.03	0.04	1.86	0.028	0.009	37.11	0.647	1.13	0.124	0.10	0.010	0.740	0.079	23.68
SW-09 10	Rock	5.90	0.04	1.66	0.032	0.009	37.67	0.551	1.16	0.093	0.10	0.011	0.700	0.060	23.84
SW-09 11	Rock	NS													
SW-09 12	Rock	6.21	0.04	1.54	0.031	0.009	36.88	0.621	1.15	0.094	0.11	0.013	0.645	0.112	24.88
SW-09 13	Rock	6.26	0.04	1.40	0.030	0.008	36,67	0.627	1.13	0.084	0.09	0.011	0,605	0.058	25.63



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

A1203 BaO K20 CaO Cr2O3 Cu Fe MgO Mn Na2O Ni S SiO2 NA-XF100 Sample % % % % % % % % % Sample % % Type 0.01 0.01 0.01 0.001 0.001 0.01 0.001 0.01 0.001 0.01 0.001 0.001 0.001 0.01 Description SW-09 14 Rock 6.24 0.04 1.96 0.030 0.008 37.27 0.613 1.18 0.082 0.10 0.751 0.132 23.80 0.011 SW-09 15 Rock 5.80 0.03 2.22 0.031 0.009 37.52 0.522 1.30 0.103 0.10 0.013 0.774 0.062 21.78 SW-09 16 Rock 5.07 0.04 1.94 0.030 0.009 39.20 0.385 1.22 0.066 0.10 0.012 0.716 0.061 21.75 5.11 0.04 3.39 1.71 SW-09 17 Rock 0.032 0.007 33.35 0.386 0.102 0.12 0.012 0.870 0.230 23.85 Rock 5.71 0.04 2.34 0.035 0.008 29.50 0.789 0.99 0.080 0.31 0.009 0.509 0.432 36.15 SW-09 18 SW-09 19 Rock 5.14 0.04 2.08 0.030 0.007 33.85 0.592 1.03 0.078 0.23 0.010 0.551 0.363 30.09 SW-09 20 Rock 4.12 0.04 3.30 0.016 0.008 33.95 0.679 2.45 0.249 0.08 0.007 0.371 0.407 17.08 SW-09 21 Rock 5.30 0.05 5.12 0.031 0.005 19.70 0.876 1.64 0.132 0.15 0.014 0.529 1.295 40.85 SW-09 22 Rock 6.03 0.05 2.78 0.030 0.004 17.38 0.968 1.20 0.119 0.17 0.009 0.242 1.445 49.27 8.11 0.07 0.69 0.031 0.002 0.81 0.157 0.585 SW-09 23 Rock 5.57 1.702 0.005 0.29 < 0.001 72.63 SW-09 24 Rock 7.17 0.08 11.55 0.035 0.003 5.41 1.370 0.73 0.022 0.34 0.004 2.151 3.406 50.80 Rock 13.51 0.10 1.53 0.019 4.00 2.589 0.005 0.50 64.25 SW-09 25 0.003 1.11 < 0.001 0.263 1.163 SW-09 25D Rock 13.66 0.09 1.16 0.019 0.003 4.35 2.637 1.14 0.006 0.48 < 0.001 0.278 0.943 64.64 SW-09 26 Rock 12.20 0.08 0.24 0.021 0.002 4.19 2.454 1.05 0.006 0.45 < 0.001 0.150 0.507 69.16 SW-09 27 Pulp 0.53 < 0.01 2.13 0.003 0.008 29.84 0.034 2.46 0.076 0.03 0.002 0.103 0.224 52.36 SW-10 01 Rock 13.49 0.07 0.59 0.024 0.003 8.10 2.387 1.53 0.018 0.43 0.006 0.091 0.793 60.83 SW-10 02 Rock 11.10 0.07 1.48 0.023 0.004 13.84 2.011 1.88 0.062 0.34 0.005 0.165 0.823 49.68 SW-10 03 Rock 7.10 0.05 3.22 0.019 0.006 25.38 1.180 2.12 0.136 0.21 0.003 0.730 0.297 30.93 NS SW-10 04 Rock NS 1.72 SW-10 05 Rock 5.77 0.04 2.76 0.017 0.007 30.25 0.895 0.185 0.13 0.005 0.304 0.138 26.09 SW-10 06 Rock 6.07 0.04 3.35 0.018 0.006 28.83 0.894 2.11 0.148 0.11 0.005 0.413 0.149 25.08 SW-10 07 Rock 6.87 0.05 6.74 0.023 0.006 24.27 0.963 1.83 0.104 0.15 0.009 1.455 0.160 28.20 SW-10 08 Rock 5.67 0.03 5.92 0.030 0.007 31.07 0.591 1.19 0.107 0.14 0.010 1.690 0.054 24.72 SW-10 09 Rock 7.48 0.05 1.65 0.030 0.007 30.71 0.931 1.33 0.083 0.12 0.011 0.520 0.045 30.96 NS NS NS NS NS NS NS NS NS SW-10 10 Rock NS NS NS NS NS Rock NS SW-10 11 SW-10 12 Rock 11.31 0.07 5.79 0.025 0.003 4.31 2.078 1.82 0.033 0.58 0.002 0.080 1.043 59.12 SW-10 13 Rock 14.53 0.10 1.61 0.020 0.004 4.89 2.709 1.59 0.016 0.49 0.004 0.093 62.02 1.164 SW-10 14 Rock 12.42 0.07 7.59 0.020 0.004 6.00 2.021 1.77 0.036 0.44 0.004 0.165 1.167 51.27 SW-10 15 Rock 6.62 0.05 2.68 0.027 0.007 32.18 0.800 1.35 0.100 0.14 0.011 0.731 0.258 25.97 SW-10 16 Rock 5.54 0.03 1.38 0.033 0.008 37.93 0.481 1.21 0.082 0.09 0.012 0.584 0.063 22.84 0.04 SW-10 17 Rock 5.28 2.36 0.032 0.008 37.43 0.422 1.38 0.098 0.10 0.013 0.782 0.131 20.34 SW-10 18 Rock 4.76 0.04 3.35 0.029 0.008 36.33 0.386 1.42 0.115 0.12 0.011 1.025 0.074 20.26 SW-10 19 Rock 4.94 0.03 1.71 0.031 0.009 37.42 0.381 1.44 0.086 0.09 0.013 0.566 0.112 22.22 0.03 2.93 0.033 34.25 0.12 23.30 SW-10 20 Rock 4.76 0.008 0.407 1.75 0.099 0.013 0.745 0.361 SW-10 21 Rock 4.23 0.04 4.33 0.021 0.005 25.94 0.639 2.14 0.152 0.11 0.007 0.472 0.959 29.38 2.71 0.029 SW-10 22 Rock 6.38 0.05 0.004 14.51 1.085 0.97 0.044 0.20 0.006 0.443 1.361 54.79 Rock 5.04 0.04 2.69 0.027 0.005 22.19 1.517 SW-10 23 0.826 1.60 0.168 0.14 0.009 0.319 40.26 0.04 3.06 0.025 SW-10 24 Rock 4.96 0.006 23.53 0.760 1.54 0.168 0.14 0.008 0.359 1.434 38.17 SW-10 25 Rock 6.02 0.05 3.78 0.025 0.004 16.96 0.970 0.83 0.046 0.18 0.006 0.349 2.411 48.17

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		A12O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S	SiO2
		NA-XF100													
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
SW-10 26	Rock	5.93	0.06	2.89	0.032	0.003	11.79	1.099	0.94	0.067	0.20	0.004	0.235	1.511	58.46
SW-10 27	Rock	7.92	0.07	2.44	0.035	0.003	4.77	1.569	0.77	0.005	0.31	< 0.001	0.395	1.386	69.21
SW-10 28	Rock	9.89	0.07	1.44	0.026	0.004	3.65	1.918	0.87	0.007	0.39	< 0.001	0.361	1.037	69.99
SW-10 28D	Rock	9.73	0.07	1.94	0.031	0.004	3.65	1.889	0.88	0.007	0.38	< 0.001	0.414	1.194	69.46
SW-10 29	Rock	12.78	0.08	0.29	0.022	0.003	2.80	2.452	1.07	0.006	0.51	< 0.001	0.071	0.576	71.12
SW-10 30	Pulp	0.54	< 0.01	2.19	0.004	0.008	29.94	0.034	2.50	0.078	0.03	0.002	0.106	0.231	52.80
SW-11 01	Rock	15.35	0.10	0.36	0.018	0.003	4.85	2.930	1.58	0.011	0.47	0.003	0.052	0.762	63.61
SW-11 01D	Rock	15.21	0.19	0.35	0.016	0.003	4.85	2.882	1.56	0.011	0.46	0.003	0.050	0.848	63.14
SW-11 02	Rock	13.44	0.08	0.82	0.020	0.004	9.59	2.518	1.71	0.030	0.39	0.005	0.121	0.755	56.37
SW-11 03	Rock	NS													
SW-11 04	Rock	5.09	0.04	4.90	0.017	0.006	28.33	0.719	2.42	0.137	0.09	0.006	0.262	0.248	22.48
SW-11 05	Rock	5.98	0.04	5.56	0.019	0.005	26.56	0.856	2.31	0.106	0.11	0.006	0.532	0.168	24.74
SW-11 06	Rock	6.13	0.06	7.53	0.020	0.007	27.37	0.792	1.64	0.130	0.17	0.009	1.992	0.077	24.27
SW-11 07	Rock	6.32	0.04	3.00	0.031	0.009	34.36	0.689	1.21	0.087	0.15	0.011	1.006	0.047	24.09
SW-11 08	Rock	6.57	0.04	1.65	0.031	0.009	34.24	0.733	1.20	0.089	0.12	0.011	0.590	0.039	26.55
SW-11 09	Rock	7.15	0.05	3.21	0.027	0.007	29.12	0.934	1.21	0.101	0.15	0.009	1.050	0.046	31.24
SW-11 10	Rock	6.66	0.05	2.76	0.027	0.007	31.82	0.754	1.35	0.120	0.14	0.011	0.822	0.051	27.51
SW-11 11	Pulp	0.53	< 0.01	2.17	0.004	0.008	29.83	0.037	2.49	0.078	0.02	0.002	0.104	0.224	52.81
SW-11 12	Rock	6.27	0.04	1.70	0.028	0.008	34.31	0.640	1.49	0.108	0.12	0.013	0.489	0.060	25.86
SW-11 13	Rock	6.06	0.04	2.01	0.030	0.008	34.48	0.567	1.53	0.089	0.12	0.012	0.602	0.077	25.79
SW-11 14	Rock	5.70	0.03	1.72	0.030	0.008	34.95	0.510	1.51	0.092	0.12	0.012	0.519	0.139	25.98
SW-11 15	Rock	5.47	0.03	2.13	0.027	0.008	36.13	0.484	1.52	0.085	0.15	0.012	0.640	0.085	23.78
SW-11 16	Rock	5.17	0.03	1.97	0.029	0.007	36.59	0.405	1.58	0.073	0.12	0.013	0.574	0.322	23.70
SW-11 17	Rock	5.05	0.04	2.35	0.033	0.010	35.01	0.419	1.68	0.085	0.13	0.015	0.601	0.164	25.11
SW-11 18	Rock	4.85	0.04	2.97	0.028	0.007	34.14	0.429	1.79	0.116	0.13	0.012	0.648	0.201	23.09
SW-11 19	Rock	4.87	0.04	3.73	0.029	0.007	32.13	0.495	1.99	0.104	0.14	0.011	0.688	0.422	23.69
SW-12 01	Rock	15.02	0.12	2.63	0.019	0.004	4.67	2.872	1.56	0.013	0.48	0.003	0.593	0.817	60.85
SW-12 02	Rock	12.98	0.08	1.04	0.022	0.004	9.17	2.390	1.56	0.028	0.39	0.005	0.104	1.082	58.27
SW-12 03	Rock	6.55	0.06	2.46	0.027	0.007	23.78	0.986	1.95	0.118	0.16	0.008	0.306	0.557	34.34
SW-12 04	Rock	7.62	0.05	3.33	0.029	0.006	23.80	1.042	2.04	0.075	0.13	0.009	0.145	0.429	34.79
SW-12 05	Rock	6.95	0.05	2.82	0.027	0.007	28.25	0.921	1.57	0.100	0.15	0.011	0.741	0.077	31.99
SW-12 06	Rock	6.11	0.04	2.30	0.027	0.008	33.01	0.692	1.37	0.102	0.14	0.010	0.674	0.042	26.79
SW-12 07	Rock	6.13	0.03	1.59	0.030	0.008	34.64	0.665	1.28	0.111	0.13	0.011	0.505	0.045	25.61
SW-12 08	Rock	6.69	0.04	3.23	0.028	0.008	31.73	0.788	1.27	0.092	0.16	0.011	1.033	0.060	27.37
SW-12 09	Rock	6.72	0.04	1.96	0.029	0.007	31.23	0.805	1.30	0.106	0.14	0.011	0.618	0.045	30.23
SW-12 10	Rock	7.42	0.07	1.38	0.028	0.006	23.02	1.035	1.35	0.074	0.14	0.012	0.345	0.094	43.99
SW-12 11	Rock	7.75	0.06	2.08	0.022	0.006	21.14	1.232	1.37	0.080	0.15	0.006	0.459	0.307	42.36
SW-12 12	Rock	6.60	0.05	2.64	0.027	0.008	30.26	0.737	1.50	0.112	0.15	0.010	0.760	0.075	30.19
SW-12 13	Rock	6.75	0.07	2.78	0.028	0.007	30.43	0.743	1.61	0.092	0.15	0.012	0.778	0.085	29.29
SW-12 14	Rock	6.11	0.06	2.82	0.025	0.007	29.28	0.685	1.64	0.122	0.14	0.012	0.706	0.109	30.90



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S	SiO2
		NA-XF100													
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
SW-12 15	Rock	6.06	0.07	2.87	0.026	0.007	30.54	0.645	1.69	0.112	0.13	0.011	0.732	0.104	29.06
SW-12 16	Rock	5.91	0.04	2.53	0.025	0.007	31.38	0.577	1.79	0.170	0.13	0.013	0.577	0.143	28.01
SW-12 17	Rock	5.80	0.04	2.96	0.032	0.007	30.57	0.569	1.74	0.102	0.13	0.010	0.772	0.167	29.17
SW-12 18	Rock	4.63	0.04	3.77	0.029	0.007	29.48	0.602	2.04	0.340	0.12	0.009	0.613	0.212	25.62
SW-12 19	Rock	4.41	0.04	3.94	0.023	0.007	28.07	0.629	2.17	0.213	0.11	0.009	0.596	0.714	25.25
SW-12 20	Rock	6.07	0.04	3.05	0.025	0.005	21.77	0.836	1.50	0.058	0.15	0.007	0.627	0.847	35.85
SW-12 20D	Rock	5.57	0.04	3.52	0.027	0.006	23.16	0.797	1.66	0.093	0.13	0.008	0.663	0.785	33.38
SW-12 21	Rock	4.18	0.04	3.90	0.032	0.005	17.91	0.861	1.79	0.084	0.15	0.004	0.248	1.613	44.59
SW-12 22	Pulp	0.55	< 0.01	2.19	0.004	0.008	30.04	0.036	2.50	0.076	0.03	0.002	0.106	0.346	53.11
SW-12 23	Pulp	0.55	< 0.01	2.19	0.005	0.009	30.10	0.032	2.51	0.078	0.03	0.002	0.105	0.299	53.04



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI		
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100		
Sample	Sample	%	%	%	%	%	%		
Description	Туре	0.001	0.001	0.001	0.01				
SW-01A 01	Rock	0.624	0.081	0.023	< 0.01	93.38	8.77		
SW-01A 02	Rock	0.837	0.051	0.012	< 0.01	96.40	6.53		
SW-01A 03	Rock	0.343	0.193	0.053	< 0.01	88.18	10.94		
SW-01A 04	Rock	0.285	0.195	0.059	< 0.01	86.43	12.62		
SW-01A 05	Rock	0.232	0.209	0.065	< 0.01	84.62	13.17		
SW-01A 06	Rock	0.213	0.228	0.063	< 0.01	84.54	12.37		
SW-01A 07	Rock	0.201	0.235	0.064	< 0.01	84.34	12.07		
SW-01A 08	Rock	0.319	0.185	0.050	< 0.01	86.31	9.70		
SW-01A 09	Rock	0.290	0.196	0.057	< 0.01	86.17	10.93		
SW-01A 10	Rock	0.257	0.207	0.061	< 0.01	85.56	10.99		
SW-01A 11	Rock	0.220	0.201	0.058	< 0.01	84.30	11.22		
SW-01A 12	Rock	0.178	0.219	0.064	< 0.01	84.71	12.53		
SW-01A 13	Rock	0.163	0.240	0.074	< 0.01	86.07	13.16		
SW-01A 14	Rock	NS	NS	NS	NS	NS	NS		
SW-01A 15	Pulp	0.004	< 0.001	0.005	< 0.01	87.60	0.00		
SW-01A 16	Rock	0.153	0.226	0.059	< 0.01	85.17	14.18		
SW-01A 17	Rock	NS	NS	NS	NS	NS	NS		
SW-01A 18	Rock	NS	NS	NS	NS	NS	NS		
SW-01A 19	Rock	0.182	0.086	0.031	< 0.01	85.68	19.16		
SW-01A 20	Rock	0.231	0.115	0.048	< 0.01	86.93	18.18		
SW-01A 21	Rock	0.896	0.048	0.011	< 0.01	97.40	6.09		
SW-01A 22	Rock	0.891	0.047	0.011	< 0.01	97.29	5.71		
SW-01A 22D	Rock	0.886	0.047	0.013	< 0.01	97.70	5.70		
SW-02A 01	Rock	0.309	0.139	0.038	< 0.01	88.05	13.87		
SW-02A 02	Rock	0.279	0.181	0.052	< 0.01	86.26	13.29		
SW-02A 03	Rock	0.198	0.217	0.054	< 0.01	83.10	12.77		
SW-02A 03D	Rock	0.208	0.221	0.058	< 0.01	83.53	13.10		
SW-02A 04	Rock	0.222	0.216	0.056	< 0.01	83.64	12.55		
SW-02A 05	Rock	0.267	0.202	0.052	< 0.01	85.31	12.04		
SW-02A 06	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 07	Rock	0.312	0.163	0.048	< 0.01	87.42	10.42		
SW-02A 08	Rock	0.329	0.182	0.050	< 0.01	87.62	11.68		
SW-02A 09	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 10	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 11	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 11	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 12 SW-02A 13	Rock	NS	NS	NS	NS	NS	NS		
SW-02A 13	Rock	0.253	0.163	0.045	< 0.01	86.14	16.43		
SW-02A 14 SW-02A 15	Rock	0.233	0.103	0.043	<0.01	85.19	18.25		
SW-02A 15 SW-02A 16	Rock	0.180	0.045	0.028	<0.01	98.09	5.54	CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	Mark Street Street Street Street Street



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
escription	Туре	0.001	0.001	0.001	0.01			
V-02A 17	Rock	0.885	0.044	0.015	< 0.01	97.87	5.62	
V-02A 18	Rock	0.862	0.043	0.013	< 0.01	96.79	5.59	
V-02A 19	Pulp	0.004	< 0.001	0.005	< 0.01	87.48	0.00	
V-03A 01	Rock	0.872	0.053	0.015	< 0.01	97.52	5.76	
V-03A 02	Rock	0.846	0.055	0.015	< 0.01	96.60	5.87	
V-03A 03	Rock	0.325	0.144	0.038	< 0.01	87.75	10.93	
V-03A 04	Rock	0.379	0.154	0.044	< 0.01	87.06	10.02	
V-03A 05	Rock	NS	NS	NS	NS	NS	NS	
V-03A 06	Rock	0.328	0.163	0.044	< 0.01	88.07	11.74	
V-03A 07	Pulp	0.005	< 0.001	0.005	< 0.01	87.70	0.00	
V-03A 08	Rock	0.281	0.178	0.055	< 0.01	85.74	11.80	
-03A 08D	Rock	0.279	0.179	0.051	< 0.01	85.80	11.75	
V-03A 09	Rock	0.244	0.178	0.054	< 0.01	86.00	15.32	
V-03A 10	Rock	0.243	0.195	0.055	< 0.01	86.60	15.20	
V-03A 11	Rock	0.270	0.187	0.050	< 0.01	87.99	15.15	
V-03A 12	Rock	NS	NS	NS	NS	NS	NS	
V-03A 13	Rock	0.279	0.148	0.039	< 0.01	90.06	14.94	
V-03A 14	Rock	0.244	0.113	0.028	< 0.01	89.96	13.82	
V-03A 15	Rock	0.297	0.120	0.026	< 0.01	93.04	7.86	
V-03A 16	Rock	0.700	0.064	0.017	< 0.01	96.39	6.44	
V-03A 17	Rock	0.852	0.053	0.015	< 0.01	97.39	5.66	
SW-05 01	Rock	0.820	0.060	0.013	< 0.01	96.81	5.53	
SW-05 02	Rock	0.566	0.118	0.040	< 0.01	91.72	8.55	
SW-05 03	Rock	0.568	0.103	0.035	< 0.01	91.95	8.34	
SW-05 04	Rock	0.884	0.054	0.025	< 0.01	97.53	5.91	
SW-05 05	Rock	0.854	0.051	0.015	< 0.01	96.83	6.27	
SW-05 06	Rock	0.781	0.056	0.030	< 0.01	94.84	7.77	
SW-05 07	Rock	0.378	0.153	0.074	< 0.01	89.01	12.49	
SW-05 08	Rock	0.307	0.182	0.065	< 0.01	87.08	11.57	
SW-05 09	Rock	NS	NS	NS	NS	NS	NS	THE REAL PROPERTY.
SW-05 10	Rock	0.228	0.223	0.061	< 0.01	84.53	11.68	
SW-05 11	Rock	0.217	0.245	0.061	< 0.01	84.48	11.73	
SW-05 12	Rock	NS	NS	NS	NS	NS	NS	
SW-05 13	Rock	0.196	0.186	0.049	< 0.01	84.91	14.80	
SW-05 14	Rock	0.226	0.192	0.054	<0.01	83.89	10.68	
V-05 14D	Rock	0.218	0.192	0.053	< 0.01	83.21	10.80	
SW-05 15	Rock	NS	NS	NS	NS	NS	NS	
SW-05 16	Pulp	0.004	<0.001	0.004	<0.01	86.76	0.00	
SW-05 16 SW-05 17	Rock	0.004	0.159	0.004	<0.01	87.08	8.83	
3 W-03 1/	ROCK	0.218	0.139	0.042	<0.01	85.15	9.56	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
Description	Туре	0.001	0.001	0.001	0.01			
SW-05 19	Rock	0.233	0.238	0.066	< 0.01	84.94	12.10	
SW-05 20	Rock	0.222	0.215	0.069	< 0.01	85.82	14.10	
SW-05 21	Rock	0.186	0.232	0.075	< 0.01	86.07	14.67	
SW-05 22	Rock	0.148	0.224	0.060	< 0.01	85.30	14.15	
SW-05 23	Rock	0.172	0.220	0.061	< 0.01	85.20	14.63	
SW-05 24	Rock	0.106	0.176	0.062	< 0.01	84.56	17.82	
SW-05 25	Rock	0.715	0.045	0.016	< 0.01	97.04	7.47	
SW-05 26	Pulp	0.005	< 0.001	0.005	< 0.01	87.41	0.00	
SW-05 27	Rock	0.736	0.042	0.010	< 0.01	97.85	6.13	
SW-05 27D	Rock	0.748	0.043	0.013	< 0.01	97.58	6.00	
SW-05 28	Rock	0.837	0.045	0.007	< 0.01	97.58	6.66	
SW-06 01	Rock	0.882	0.056	0.016	< 0.01	98.06	6.07	
SW-06 01D	Rock	0.877	0.055	0.016	< 0.01	98.15	5.93	
SW-06 02	Rock	0.796	0.071	0.020	< 0.01	97.02	6.97	
SW-06 03	Rock	0.248	0.126	0.040	< 0.01	87.08	19.94	
SW-06 04	Rock	0.288	0.217	0.053	< 0.01	87.50	14.65	
SW-06 05	Rock	0.240	0.211	0.052	< 0.01	86.27	11.82	
SW-06 06	Rock	0.239	0.204	0.056	< 0.01	85.06	12.93	
SW-06 07	Rock	0.212	0.224	0.059	< 0.01	84.39	12.43	
SW-06 08	Rock	0.238	0.214	0.057	< 0.01	85.01	12.50	
SW-06 09	Rock	0.284	0.187	0.045	< 0.01	87.20	11.24	
SW-06 10	Rock	0.303	0.166	0.070	< 0.01	87.81	12.23	
SW-06 11	Rock	0.249	0.205	0.049	< 0.01	86.00	11.66	
SW-06 12	Rock	0.274	0.208	0.057	< 0.01	86.17	12.14	
SW-06 13	Rock	0.207	0.211	0.054	< 0.01	85.33	13.30	
SW-06 14	Rock	0.202	0.201	0.054	< 0.01	85.20	13.22	
SW-06 15	Rock	0.204	0.201	0.055	< 0.01	85.28	13.58	
SW-06 16	Rock	0.166	0.200	0.056	< 0.01	85.24	14.11	
SW-06 17	Rock	0.176	0.184	0.054	< 0.01	86.48	15.60	
SW-06 18	Rock	0.207	0.166	0.045	<0.01	87.99	20.98	
SW-06 19	Rock	0.233	0.131	0.038	<0.01	89.49	15.31	
SW-06 20	Rock	0.246	0.090	0.026	< 0.01	91.70	11.58	
SW-06 21	Rock	0.487	0.053	0.011	< 0.01	95.70	8.75	
SW-06 22	Rock	0.851	0.044	0.018	< 0.01	98.43	5.23	
SW-06 23	Pulp	0.005	0.001	0.005	<0.01	87.77	0.00	
SW-00 23	Rock	0.896	0.055	0.003	<0.01	97.87	5.93	
SW-07 01	Rock	0.841	0.061	0.017	<0.01	97.36	6.39	
SW-07 02 SW-07 03	Rock	0.298	0.140	0.018	<0.01	89.19	16.54	
SW-07 03 SW-07 04		0.362	0.140	0.038	<0.01	89.19	14.82	
SW-07 04 SW-07 05	Rock	0.362	0.179	0.046	<0.01	86.46	14.82	And the second s



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI	
	0.1	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample Type	0.001	0.001	0.001	0.01	%	%	
Description SW-07 06	Rock	0.262	0.182	0.052	<0.01	86.26	13.84	
SW-07 07	Rock	0.238	0.182	0.052	< 0.01	85.50	14.83	
SW-07 07	Rock	0.215	0.172	0.056	< 0.01	85.26	12.97	
SW-07 08	Rock	0.260	0.192	0.054	<0.01	86.59	13.73	
	Rock	0.260	0.192	0.050	<0.01	87.32	14.44	
SW-07 10				0.030	<0.01	88.06	14.44	
SW-07 11	Rock	0.291	0.129					
SW-07 12	Rock	0.345	0.118	0.035	<0.01	87.86	13.48	
SW-07 13	Rock	0.680	0.057	0.016	<0.01	95.19	7.18	
SW-07 14	Rock	0.561	0.067	0.019	<0.01	93.79	9.41	CONTRACTOR OF THE PARTY OF THE
SW-07 15	Rock	0.273	0.119	0.032	<0.01	89.26	14.66	
SW-07 16	Rock	0.285	0.165	0.044	<0.01	89.01	12.61	
SW-07 17	Rock	0.298	0.141	0.037	<0.01	89.97	14.76	
SW-07 18	Rock	0.239	0.160	0.039	<0.01	89.97	15.15	
SW-07 18D	Rock	0.237	0.156	0.039	<0.01	89.74	14.65	
SW-07 19	Rock	0.164	0.077	0.017	<0.01	87.40	20.47	
SW-07 20	Rock	NS	NS	NS	NS	NS	NS	
SW-07 21	Rock	NS	NS	NS	NS	NS	NS	
SW-07 22	Rock	NS	NS	NS	NS	NS	NS	
SW-07 23	Rock	NS	NS	NS	NS	NS	NS	
SW-07 24	Rock	0.511	0.086	0.023	< 0.01	94.73	6.82	فالمحماليا فللمان فالمحمد فالمستحد والمتحدث والم
SW-07 25	Rock	0.630	0.065	0.018	< 0.01	95.34	6.34	
SW-07 26	Rock	0.491	0.059	0.015	< 0.01	92.62	10.88	
SW-07 27	Rock	0.234	0.132	0.035	< 0.01	89.34	13.94	
SW-07 28	Rock	0.265	0.165	0.042	< 0.01	88.09	13.88	
SW-07 29	Rock	0.288	0.168	0.043	< 0.01	88.93	13.04	
SW-07 30	Rock	0.280	0.080	0.022	< 0.01	88.21	17.54	
SW-07 31	Pulp	0.005	< 0.001	0.006	< 0.01	87.63	0.00	
SW-09 01	Rock	0.868	0.051	0.016	< 0.01	97.42	5.86	
SW-09 02	Rock	0.726	0.095	0.029	< 0.01	96.01	6.92	
SW-09 03	Rock	0.360	0.159	0.058	< 0.01	86.36	12.10	
SW-09 04	Rock	0.493	0.156	0.052	< 0.01	89.28	11.75	
SW-09 05	Rock	0.399	0.168	0.051	< 0.01	89.22	11.08	
SW-09 06	Rock	0.542	0.124	0.043	< 0.01	91.59	9.39	
SW-09 07	Rock	0.388	0.099	0.035	< 0.01	87.64	10.51	
SW-09 08	Rock	0.381	0.098	0.034	<0.01	87.10	10.04	
SW-09 09	Rock	0.216	0.228	0.059	< 0.01	83.03	10.94	
SW-09 10	Rock	0.187	0.248	0.061	< 0.01	82.96	10.66	
SW-09 11	Rock	NS	NS	NS	NS	NS	NS	
SW-09 12	Rock	0.212	0.236	0.067	< 0.01	83.81	10.98	
SW-09 13	Rock	0.220	0.226	0.059	< 0.01	83.78	10.63	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
Description	Type	0.001	0.001	0.001	0.01			
SW-09 14	Rock	0.215	0.222	0.062	< 0.01	83.38	10.67	
SW-09 15	Rock	0.183	0.225	0.064	< 0.01	82.82	12.10	
SW-09 16	Rock	0.134	0.230	0.062	< 0.01	82.32	11.31	
SW-09 17	Rock	0.122	0.241	0.074	< 0.01	83.52	13.90	
SW-09 18	Rock	0.223	0.193	0.047	< 0.01	86.42	9.06	
SW-09 19	Rock	0.171	0.212	0.054	< 0.01	84.45	9.94	
SW-09 20	Rock	0.187	0.078	0.024	< 0.01	84.65	21.61	
SW-09 21	Rock	0.216	0.128	0.037	< 0.01	89.59	13.53	
SW-09 22	Rock	0.229	0.101	0.037	< 0.01	91.79	11.73	
SW-09 23	Rock	0.450	0.055	0.010	< 0.01	97.00	5.85	
SW-09 24	Rock	0.374	0.040	0.011	< 0.01	92.52	9.03	
SW-09 25	Rock	0.776	0.046	0.007	< 0.01	97.13	7.27	
SW-09 25D	Rock	0.785	0.048	0.007	< 0.01	97.23	7.00	
SW-09 26	Rock	0.708	0.038	0.006	< 0.01	97.05	5.79	
SW-09 27	Pulp	0.002	< 0.001	0.004	< 0.01	86.75	0.00	
SW-10 01	Rock	0.747	0.085	0.023	< 0.01	96.12	6.91	
SW-10 02	Rock	0.602	0.104	0.025	< 0.01	93.41	11.21	
SW-10 03	Rock	0.339	0.105	0.026	< 0.01	87.88	16.05	
SW-10 04	Rock	NS	NS	NS	NS	NS	NS	
SW-10 05	Rock	0.265	0.114	0.031	< 0.01	86.29	17.58	
SW-10 06	Rock	0.260	0.135	0.034	< 0.01	86.58	18.94	
SW-10 07	Rock	0.287	0.162	0.048	< 0.01	87.31	15.99	
SW-10 08	Rock	0.189	0.226	0.061	< 0.01	83.78	12.08	
SW-10 09	Rock	0.302	0.208	0.048	< 0.01	85.80	11.34	
SW-10 10	Rock	NS	NS	NS	NS	NS	NS	
SW-10 11	Rock	NS	NS	NS	NS	NS	NS	
SW-10 12	Rock	0.593	0.033	0.012	< 0.01	95.71	8.81	
SW-10 13	Rock	0.807	0.052	0.015	< 0.01	96.90	6.79	
SW-10 14	Rock	0.591	0.032	0.016	<0.01	94.23	10.61	
SW-10 15	Rock	0.258	0.191	0.066	<0.01	84.70	13.28	
SW-10 16	Rock	0.154	0.244	0.061	< 0.01	82.59	11.86	
SW-10 17	Rock	0.144	0.229	0.063	<0.01	82.54	13.70	
SW-10 17	Rock	0.121	0.214	0.063	< 0.01	82.65	14.33	
SW-10 19	Rock	0.118	0.234	0.063	< 0.01	83.21	13.76	
SW-10 20	Rock	0.113	0.227	0.066	<0.01	83.89	14.68	
SW-10 21	Rock	0.155	0.112	0.035	<0.01	86.96	18.25	
SW-10 22	Rock	0.153	0.112	0.030	<0.01	92.98	10.01	
SW-10 23	Rock	0.202	0.103	0.035	<0.01	89.46	14.29	
SW-10 24	Rock	0.202	0.114	0.033	<0.01	89.33	14.82	
SW-10 24 SW-10 25	Rock	0.185	0.109	0.037	<0.01	92.14	12.00	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
Description	Туре	0.001	0.001	0.001	0.01			
SW-10 26	Rock	0.264	0.051	0.020	< 0.01	94.13	10.59	
SW-10 27	Rock	0.427	0.054	0.009	< 0.01	97.06	7.70	
SW-10 28	Rock	0.552	0.049	0.006	< 0.01	97.47	7.21	
SW-10 28D	Rock	0.555	0.048	0.007	< 0.01	97.82	7.56	
SW-10 29	Rock	0.756	0.043	0.006	< 0.01	97.98	5.41	
SW-10 30	Pulp	0.005	< 0.001	0.005	< 0.01	87.34	0.00	
SW-11 01	Rock	0.863	0.052	0.015	< 0.01	96.87	5.86	
SW-11 01D	Rock	0.858	0.051	0.015	< 0.01	96.36	5.87	
SW-11 02	Rock	0.733	0.065	0.019	< 0.01	95.25	8.58	
SW-11 03	Rock	NS	NS	NS	NS	NS	NS	
SW-11 04	Rock	0.202	0.119	0.032	< 0.01	87.14	22.07	
SW-11 05	Rock	0.261	0.119	0.034	< 0.01	87.33	19.94	
SW-11 06	Rock	0.254	0.151	0.044	< 0.01	84.98	14.34	
SW-11 07	Rock	0.218	0.218	0.063	< 0.01	83.79	12.25	
SW-11 08	Rock	0.240	0.224	0.055	< 0.01	84.42	12.04	
SW-11 09	Rock	0.311	0.177	0.053	< 0.01	86.28	11.44	
SW-11 10	Rock	0.252	0.189	0.056	< 0.01	85.00	12.44	
SW-11 11	Pulp	0.003	< 0.001	0.005	< 0.01	87.33	0.00	
SW-11 12	Rock	0.216	0.210	0.059	< 0.01	84.69	13.09	
SW-11 13	Rock	0.198	0.218	0.057	< 0.01	84.58	12.69	
SW-11 14	Rock	0.174	0.219	0.056	< 0.01	84.43	12.69	
SW-11 15	Rock	0.160	0.218	0.067	< 0.01	84.14	13.16	
SW-11 16	Rock	0.127	0.228	0.059	< 0.01	83.77	12.78	
SW-11 17	Rock	0.126	0.230	0.062	< 0.01	84.47	13.37	
SW-11 18	Rock	0.124	0.205	0.061	< 0.01	84.10	15.28	
SW-11 19	Rock	0.126	0.203	0.058	< 0.01	85.17	16.46	
SW-12 01	Rock	0.835	0.052	0.015	< 0.01	96.72	6.18	
SW-12 02	Rock	0.718	0.073	0.022	< 0.01	96.08	8.14	
SW-12 03	Rock	0.288	0.139	0.038	< 0.01	88.80	17.04	
SW-12 04	Rock	0.327	0.183	0.048	< 0.01	89.18	15.14	
SW-12 05	Rock	0.282	0.178	0.052	< 0.01	87.02	12.86	
SW-12 06	Rock	0.216	0.212	0.056	< 0.01	84.98	13.20	
SW-12 07	Rock	0.210	0.218	0.057	< 0.01	84.48	13.23	
SW-12 08	Rock	0.258	0.205	0.065	< 0.01	85.18	12.13	
SW-12 09	Rock	0.254	0.201	0.050	< 0.01	85.97	12.24	
SW-12 10	Rock	0.339	0.162	0.048	< 0.01	89.90	10.39	
SW-12 11	Rock	0.405	0.092	0.041	< 0.01	90.21	12.65	
SW-12 12	Rock	0.251	0.193	0.057	< 0.01	86.26	12.65	
SW-12 13	Rock	0.256	0.190	0.056	< 0.01	85.98	12.68	
SW-12 14	Rock	0.230	0.171	0.055	< 0.01	86.61	13.56	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		TiO2	V205	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
Description	Type	0.001	0.001	0.001	0.01			
SW-12 15	Rock	0.228	0.178	0.052	< 0.01	85.86	13.36	
SW-12 16	Rock	0.204	0.193	0.052	< 0.01	85.64	13.90	
SW-12 17	Rock	0.195	0.202	0.056	< 0.01	85.72	13.21	
SW-12 18	Rock	0.158	0.136	0.049	< 0.01	86.25	18.41	
SW-12 19	Rock	0.160	0.117	0.035	< 0.01	86.94	20.46	
SW-12 20	Rock	0.212	0.194	0.051	< 0.01	90.25	18.97	
SW-12 20D	Rock	0.198	0.170	0.047	< 0.01	89.37	19.12	
SW-12 21	Rock	0.192	0.059	0.017	< 0.01	90.80	15.13	
SW-12 22	Pulp	0.006	< 0.001	0.005	< 0.01	88.00	0.00	
SW-12 23	Pulp	0.006	0.001	0.005	< 0.01	87.97	0.00	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		Al2O3 NA-XF100	BaO NA-XF100	CaO NA-XF100	Cr2O3 NA-XF100	Cu NA-XF100	Fe NA-XF100	K2O NA-XF100	MgO NA-XF100	Mn NA-XF100	Na2O NA-XF100	Ni NA-XF100	P NA-XF100	S NA-XF100	SiO2
Sample	Sample	% NA-AF100	% NA-AF100	NA-AF100 %	NA-AF100	NA-XF100	NA-XF100 %	NA-XF100	NA-XF100	NA-XF100	NA-XF100 %	NA-XF100	NA-XF100	NA-XF100 %	NA-XF100
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
STD-SARM 5 expected		4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		0.001	51.10
STD-SARM 5 result		4.13	< 0.01	2.62	3.540	0.002	8.88	0.084	25.35	0.167	0.36	0.055	0.004	0.007	51.04
QCV1206-01664-0002-BLK		< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	99.31
TD-360-BCS No 381 expected		0.67		49.00	0.330				1.03						8.78
STD-360-BCS No 381 result		0.69	< 0.01	49.02	0.310	0.008	13.28	0.056	0.98	2.437	0.27	0.003	6.840	0.187	8.73
SW-02A 03D	Rock	5.99	0.03	2.07	0.030	0.008	33.33	0.668	1.38	0.103	0.11	0.010	0.597	0.107	25.53
SW-02A 03D Dup		6.17	0.04	2.07	0.028	0.007	33.43	0.669	1.42	0.102	0.11	0.010	0.610	0.107	26.24
STD-SARM 5 expected		4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056			51.10
STD-SARM 5 result		4.16	< 0.01	2.65	3.542	0.001	8.95	0.087	25.44	0.168	0.36	0.055	0.005	0.007	51.01
SW-03A 15	Rock	6.90	0.08	1.41	0.024	0.004	14.10	1.350	1.26	0.046	0.20	0.007	0.264	0.263	58.84
SW-03A 15 Dup		6.87	0.08	1.41	0.024	0.003	13.99	1.336	1.24	0.046	0.21	0.006	0.260	0.281	58.46
STD-JSS 852-2 expected		0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002	1.70
STD-JSS 852-2 result		0.39	< 0.01	0.13	0.014	0.020	67.13	< 0.001	1.13	0.078	0.02	0.045	0.012	0.004	1.67
SW-05 24	Rock	4.87	0.02	5.27	0.022	0.006	31.79	0.339	1.96	0.153	0.09	0.012	0.567	1.873	19.44
SW-05 24 Dup		4.95	0.03	5.25	0.023	0.007	31.81	0.337	2.01	0.153	0.09	0.013	0.572	1.882	19.56
TD-360-BCS No 381 expected		0.67		49.00	0.330				1.03						8.78
STD-360-BCS No 381 result		0.68	< 0.01	49.11	0.310	0.008	13.26	0.057	0.97	2.446	0.27	0.003	6.838	0.188	8.73
SW-06 18	Rock	5.60	0.04	5.93	0.025	0.006	26.13	0.769	2.53	0.115	0.13	0.008	0.444	0.130	24.76
SW-06 18 Dup		5.52	0.03	5.93	0.023	0.006	26.08	0.763	2.50	0.115	0.12	0.008	0.441	0.128	24.89
STD-SARM 5 expected		4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056			51.10
STD-SARM 5 result		4.17	< 0.01	2.64	3.521	0.002	8.92	0.090	25.35	0.168	0.35	0.055	0.005	0.014	51.09
SW-07 18D	Rock	5.79	0.04	3.31	0.030	0.005	20.17	0.852	1.98	0.081	0.14	0.007	0.603	0.718	40.95
SW-07 18D Dup		5.79	0.05	3.30	0.028	0.005	20.22	0.861	2.00	0.080	0.13	0.008	0.603	0.819	41.01
STD-JSS 852-2 expected		0.38		0.13	0.004	3,00,2 4		0.007	1.15	0.077	0.03	0.045	0.014	0.002	1.70
STD-JSS 852-2 result		0.39	< 0.01	0.14	0.015	0.020	67.25	< 0.001	1.13	0.079	0.02	0.046	0.012	0.003	1.70
SW-09 16	Rock	5.07	0.04	1.94	0.030	0.009	39.20	0.385	1.22	0.066	0.10	0.012	0.716	0.061	21.75
SW-09 16 Dup		5.08	0.04	1.97	0.034	0.009	39.46	0.388	1.21	0.066	0.10	0.022	0.722	0.062	22.01
TD 360-BCS No 381 expected		0.67		49.00	0.330				1.03						8.78
STD-360-BCS No 381 result		0.72	< 0.01	48.69	0.307	0.008	13.22	0.059	0.98	2.428	0.28	0.003	6.786	0.199	8.69
SW-10 15	Rock	6.62	0.05	2.68	0.027	0.007	32.18	0.800	1.35	0.100	0.14	0.011	0.731	0.258	25.97
SW-10 15 Dup		6.60	0.05	2.67	0.026	0.007	32.26	0.798	1.34	0.099	0.14	0.010	0.733	0.244	25.90
STD-SARM 5 expected		4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056			51.10
STD-SARM 5 result		4.17	< 0.01	2.63	3.542	0.001	8.92	0.083	25.37	0.171	0.36	0.055	0.004	0.007	51.18
SW-11 08	Rock	6.57	0.04	1.65	0.031	0.009	34.24	0.733	1.20	0.089	0.12	0.011	0.590	0.039	26.55
SW-11 08 Dup		6.55	0.04	1.66	0.031	0.008	34.20	0.736	1.20	0.089	0.12	0.011	0.594	0.039	26.64
STD-JSS 852-2 expected		0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002	1.70
STD-JSS 852-2 result		0.37	< 0.01	0.13	0.013	0.020	67.04	< 0.001	1.13	0.077	0.02	0.045	0.011	0.003	1.67
SW-12 13	Rock	6.75	0.07	2.78	0.028	0.007	30.43	0.743	1.61	0.092	0.15	0.012	0.778	0.085	29.29
SW-12 13 Dup		6.77	0.06	2.77	0.029	0.007	30.42	0.735	1.61	0.095	0.15	0.013	0.782	0.084	29.39
OCV1206-01664-0021-BLK		< 0.01	< 0.01	< 0.01	0.002	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	>100



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S	SiO2
		NA-XF100													
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01
STD-360-BCS No 381 expected	1	0.67		49.00	0.330			1,100	1.03						8.78
STD-360-BCS No 381 result	t	0.66	< 0.01	49.00	0.311	0.008	13.26	0.058	0.97	2.443	0.28	0.003	6.828	0.188	8.73



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

MATTER STATE OF		TiO2	V2O5	Zn	Zr	Total	LOI	
A CONTRACTOR OF THE PARTY OF TH		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	
Description	Туре	0.001	0.001	0.001	0.01			
STD-SARM 5 expected		0.200	0.048	0.010	-0.01	06.46		
STD-SARM 5 result		0.188	0.047	0.012	<0.01	96.46		
QCV1206-01664-0002-BLK		< 0.001	< 0.001	< 0.001	< 0.01	99.30		
TD-360-BCS No 381 expected		0.350	0.940	0.004	-0.01	0105		
STD-360-BCS No 381 result		0.340	0.910	0.004	<0.01	84.05	10.10	
SW-02A 03D	Rock	0.208	0.221	0.058	<0.01	83.53	13.10	
SW-02A 03D Dup		0.207	0.220	0.058	< 0.01	84.58	13.10	
STD-SARM 5 expected		0.200	0.048	31912	440	45.5		
STD-SARM 5 result		0.189	0.047	0.012	< 0.01	96.67		
SW-03A 15	Rock	0.297	0.120	0.026	< 0.01	93.04	7.86	
SW-03A 15 Dup	-30-00	0.294	0.119	0.026	< 0.01	92.49	7.86	
STD-JSS 852-2 expected		0.480	0.820					
STD-JSS 852-2 result		0.498	0.832	0.006	< 0.01	71.94		
SW-05 24	Rock	0.106	0.176	0.062	< 0.01	84.56	17.82	
SW-05 24 Dup		0.105	0.178	0.062	< 0.01	84.83	17.82	
D 360-BCS No 381 expected		0.350	0.940					
STD-360-BCS No 381 result		0.334	0.908	0.004	< 0.01	84.10		
SW-06 18	Rock	0.207	0.166	0.045	< 0.01	87.99	20.98	
SW-06 18 Dup		0.204	0.165	0.045	< 0.01	87.94	20.98	
STD-SARM 5 expected		0.200	0.048					
STD-SARM 5 result		0.185	0.047	0.012	< 0.01	96.60		
SW-07 18D	Rock	0.237	0.156	0.039	< 0.01	89.74	14.65	
SW-07 18D Dup		0.232	0.158	0.040	< 0.01	89.98	14.65	
STD-JSS 852-2 expected		0.480	0.820					
STD-JSS 852-2 result		0.499	0.833	0.005	< 0.01	72.11		
SW-09 16	Rock	0.134	0.230	0.062	< 0.01	82.32	11.31	
SW-09 16 Dup		0.133	0.231	0.063	<0.01	82.89	11.31	
D-360-BCS No 381 expected		0.350	0.940					
STD-360-BCS No 381 result		0.333	0.903	0.004	< 0.01	83.59		
SW-10 15	Rock	0.258	0.191	0.066	<0.01	84.70	13.28	
SW-10 15 Dup		0.257	0.192	0.066	< 0.01	84.66	13.28	
STD-SARM 5 expected		0.200	0.048					
STD-SARM 5 result		0.190	0.046	0.012	< 0.01	96.70		
SW-11 08	Rock	0.240	0.224	0.055	< 0.01	84.42	12.04	
SW-11 08 Dup		0.240	0.222	0.055	< 0.01	84.46	12.04	
STD-JSS 852-2 expected		0.480	0.820			7		
STD-JSS 852-2 result		0.498	0.831	0.005	< 0.01	71.83		
SW-12 13	Rock	0.256	0.190	0.056	< 0.01	85.98	12.68	
SW-12 13 Dup		0.254	0.191	0.055	< 0.01	86.07	12.68	
QCV1206-01664-0021-BLK		0.003	< 0.001	< 0.001	< 0.01	100.55		



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

			TiO2	V2O5	Zn	Zr	Total	LOI
			NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100
	Sample	Sample	%	%	%	%	%	
	Description	Туре	0.001	0.001	0.001	0.01	(kaylet englis	
STD-360-BCS No	o 381 expected		0.350	0.940			LOBE -C	
STD-360-BCS	S No 381 result		0.331	0.909	0.004	< 0.01	83.96	y



Certificate of Analysis

Inspectorate Exploration & Mining Services Ltd. #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

Date Received: 06/29/2012

Date Completed: 07/10/2012

Invoice:

Phone: 604-272-7818

Distribution List

Attention: Andrew Reader

Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

Phone: 403-640-7977

EMail: andrew@ironstoneresources.com

Attention: Liam Murphy

EMail: liam@ironstoneresources.com

Submitted By: Ironstone Resources Ltd

Suite 200, 6125 11th SE

Calgary, Alberta T2H 2L6

Attention: Andrew Reader

Project: South Whitemud River 2012

Description:

Location	Samples	Type
Vancouver, BC	206	Core
Vancouver, BC	11	Pulp

Preparation Description

Location	Quantity	Method	Description
Vancouver, BC	205	SP-LOI	LOI
Vancouver, BC	205	NA-XF100	XRF Iron Ore

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of Inspectorate Exploration and Mining Services Ltd

Ву

Sefia Devota - Operations Manager



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		LOI	Al2O3 NA-XF100	BaO NA VELOO	CaO	Cr2O3	Cu NA VELOO	Fe NA VELOO	K20	MgO	Mn NA VELOO	Na2O	Ni Ni VE100	P NA VELOO	S NA VELOO
Çav	nple Sample	SP-LOI	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %
Descrip		0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-1		5.68	15.14	0.10	0.34	0.022	0.003	4.32	2.927	1.56	0.012	0.50	0.004	0.055	0.661
SW-1	3 02 Core	6.63	14.96	0.09	0.46	0.022	0.004	6.96	2.817	1.67	0.015	0.43	0.004	0.064	0.641
SW-1	3 03 Core	13.74	6.74	0.08	4.26	0.023	0.005	23.69	1.056	1.38	0.103	0.21	0.005	0.861	0.087
SW-1	3 04 Core	14.71	8.40	0.06	2.19	0.028	0.005	22.79	1.273	1.86	0.089	0.16	0.008	0.249	0.100
SW-1	3 05 Core	13.75	7.30	0.06	3.85	0.026	0.006	24.36	1.082	1.65	0.098	0.16	0.008	0.742	0.084
SW-1	3 06 Core	12.33	7.32	0.06	2.47	0.027	0.006	26.68	1.034	1.61	0.083	0.14	0.008	0.348	0.061
SW-1	3 07 Core	14.57	6.55	0.06	3.40	0.024	0.007	29.85	0.863	1.73	0.124	0.16	0.011	0.677	0.225
SW-1	3 08 Core	16.10	6.03	0.05	3.73	0.022	0.007	29.77	0.801	1.90	0.165	0.15	0.009	0.680	0.070
SW-1	3 09 Core	15.42	6.25	0.04	2.71	0.022	0.006	31.31	0.761	1.98	0.131	0.13	0.011	0.355	0.464
SW-1	3 10 Core	16.78	6.11	0.04	3.28	0.025	0.005	24.94	0.983	2.39	0.097	0.14	0.010	0.492	0.499
SW-1	3 11 Core	19.07	4.61	0.05	2.84	0.019	0.005	24.88	0.951	2.56	0.117	0.12	0.004	0.246	0.291
SW-1	3 12 Core	6.33	9.21	0.06	1.15	0.032	0.003	9.69	2.104	1.45	0.023	0.27	0.003	0.209	0.510
SW-13	12D Core	5.66	13.58	0.09	0.40	0.020	0.003	5.97	2.585	1.52	0.011	0.44	0.003	0.071	0.713
SW-1	3 13 Core	5.36	14.22	0.09	0.31	0.024	0.003	5.48	2.661	1.51	0.009	0.47	0.011	0.055	0.593
SW-1	3 14 Pulp	< 0.01	0.58	< 0.01	2.20	0.003	0.008	30.05	0.037	2.53	0.077	0.03	0.002	0.108	0.230
SW-1	-	10.32	7.85	0.06	1.71	0.019	0.007	31.11	1.156	1.16	0.092	0.13	0.008	0.518	0.061
SW-1		11.36	7.64	0.06	1.49	0.024	0.007	30.85	1.052	1.31	0.085	0.14	0.008	0.466	0.046
SW-1		12.52	6.44	0.05	1.79	0.027	0.008	35.43	0.709	1.27	0.094	0.13	0.009	0.608	0.033
SW-1		12.61	5.91	0.05	1.57	0.031	0.008	37.94	0.547	1.15	0.100	0.12	0.011	0.600	0.035
SW-1	And in case of the last of the	11.64	5.80	0.05	1.60	0.028	0.008	37.27	0.517	1.08	0.079	0.11	0.013	0.611	0.032
SW-1		11.88	6.21	0.04	1.62	0.029	0.008	37.16	0.626	1.10	0.084	0.12	0.011	0.654	0.026
SW-1		13.12	6.12	0.04	1.75	0.028	0.008	37.83	0.593	1.15	0.092	0.12	0.011	0.670	0.026
SW-1		13.15	5.74	0.03	1.89	0.026	0.006	36.61	0.554	1.26	0.082	0.11	0.010	0.662	0.038
SW-1		12.75	5.48	0.03	1.94	0.028	0.008	38.81	0.448	1.33	0.081	0.10	0.011	0.693	0.049
SW-1	NAME AND ADDRESS OF THE OWNER, THE PARTY OF	12.61	4.99	0.03	1.74	0.031	0.008	38.85	0.351	1.32	0.088	0.10	0.012	0.625	0.237
SW-1		12.17	4.91	0.03	1.95	0.028	0.008	38.46	0.383	1.34	0.076	0.11	0.011	0.699	0.065
SW-1		14.32	4.70	0.02	2.35	0.026	0.006	34.74	0.425	1.66	0.114	0.10	0.009	0.580	0.127
SW-1		14.89	5.70	0.05	2.73	0.024	0.006	27.84	0.714	2.15	0.093	0.12	0.009	0.447	0.268
SW-1		13.53	6.09	0.05	2.80	0.030	0.004	21.98	0.922	1.78	0.100	0.14	0.008	0.384	0.466
SW-1		14.37	5.48	0.04	3.13	0.022	0.004	21.51	0.915	1.90	0.169	0.15	0.008	0.276	1.111
SW-1		10.54	6.07	0.05	4.73	0.034	0.003	13.04	1.040	0.90	0.152	0.20	0.013	0.290	2.284
SW-1		8.52	6.63	0.06	2.12	0.036	0.002	6.07	1.310	0.68	0.007	0.25	< 0.001	0.243	1.511
SW-1		8.02	11.81	0.09	2.16	0.023	0.002	3.87	2.395	1.02	0.005	0.50	< 0.001	0.379	1.430
SW-1		7.44	13.63	0.09	1.51	0.019	0.002	4.42	2.683	1.15	0.006	0.49	< 0.001	0.131	1.291
SW-15	CONTRACTOR OF THE PARTY OF THE	6.71	13.73	0.09	0.71	0.019	0.003	4.10	2.743	1.17	0.004	0.49	<0.001	0.131	0.809
SW-1	THE RESERVE	<0.01	0.54	<0.01	2.14	0.007	0.003	29.90	0.032	2.51	0.077	0.03	0.003	0.106	0.229
SW-1		< 0.01	0.54	<0.01	2.14	0.007	0.003	29.66	0.032	2.50	0.075	0.02	0.003	0.104	0.224
SW-1		8.43	9.50	0.09	2.52	0.003	0.007	11.48	1.795	1.63	0.049	0.43	0.002	0.104	0.904
SW-1		6.34	14.71	0.09	0.50	0.023	0.004	5.90	2.880	1.60	0.049	0.43	0.003	0.089	0.638
SW-1	No. of the contract of the con	16.71	7.29	0.05	4.46	0.023	0.005	24.55	1.124	2.17	0.013	0.16	0.004	0.560	0.038



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100												
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-16 04	Core	13.96	6.47	0.05	2.12	0.027	0.007	32.80	0.779	1.58	0.096	0.13	0.009	0.567	0.054
SW-16 05	Core	13.77	5.65	0.05	1.79	0.030	0.008	36.73	0.596	1.26	0.110	0.11	0.010	0.593	0.037
SW-16 06	Core	12.76	5.74	0.04	1.62	0.033	0.008	37.30	0.553	1.16	0.103	0.11	0.012	0.613	0.037
SW-16 07	Core	12.68	6.63	0.04	1.59	0.029	0.007	33.61	0.753	1.21	0.102	0.12	0.010	0.537	0.044
SW-16 08	Core	12.60	6.53	0.04	1.65	0.029	0.007	34.37	0.712	1.25	0.081	0.12	0.011	0.555	0.034
SW-16 09	Core	13.05	6.35	0.04	2.28	0.030	0.007	34.70	0.686	1.35	0.085	0.13	0.011	0.720	0.051
SW-16 10	Core	13.84	6.02	0.04	2.43	0.028	0.007	34.97	0.604	1.48	0.081	0.12	0.011	0.694	0.072
SW-16 11	Core	12.84	5.48	0.03	2.08	0.030	0.008	37.25	0.456	1.42	0.074	0.11	0.012	0.656	0.090
SW-16 12	Core	12.79	4.74	0.03	1.72	0.030	0.008	38.94	0.318	1.35	0.084	0.09	0.011	0.589	0.134
SW-16 13	Core	14.36	4.46	0.03	2.50	0.028	0.008	36.95	0.334	1.56	0.101	0.10	0.012	0.660	0.250
SW-16 14	Core	14.62	4.68	0.03	3.10	0.030	0.008	34.19	0.399	1.76	0.106	0.12	0.011	0.732	0.151
SW-16 15	Core	17.41	5.25	0.04	3.41	0.023	0.006	27.31	0.747	2.52	0.098	0.13	0.008	0.478	1.052
SW-16 16	Core	8.54	4.17	0.04	6.46	0.036	0.003	11.25	0.879	1.48	0.077	0.16	0.004	0.143	2.156
SW-16 17	Core	14.40	5.14	0.03	5.52	0.036	0.003	18.81	0.821	2.09	0.101	0.15	0.004	0.400	0.845
SW-16 18	Core	8.86	6.10	0.05	1.53	0.045	0.004	12.63	1.139	1.33	0.048	0.22	0.005	0.293	2.149
SW-16 19	Core	7.29	6.02	0.07	1.68	0.048	0.003	7.89	1.256	1.07	0.045	0.23	0.003	0.194	1.107
SW-16 19D	Core	7.54	5.98	0.06	1.68	0.044	0.001	8.13	1.204	1.11	0.051	0.25	0.002	0.225	0.971
SW-16 20	Pulp	< 0.01	0.54	< 0.01	2.15	0.007	0.008	29.84	0.036	2.49	0.077	0.03	0.002	0.105	0.257
SW-17 01	Core	7.62	12.49	0.09	1.02	0.026	0.004	9.89	2.306	1.63	0.035	0.40	0.004	0.140	0.661
SW-17 02	Core	5.97	14.54	0.12	0.38	0.025	0.003	6.92	2.755	1.60	0.011	0.45	0.011	0.060	0.719
SW-17 03	Core	18.66	5.91	0.04	4.82	0.021	0.006	26.38	0.896	2.29	0.125	0.13	0.008	0.439	0.588
SW-17 04	Core	12.79	7.14	0.05	2.51	0.030	0.006	29.50	0.943	1.65	0.082	0.13	0.011	0.648	0.099
SW-17 05	Core	12.73	6.41	0.05	2.80	0.031	0.007	32.74	0.786	1.33	0.090	0.12	0.010	0.861	0.040
SW-17 06	Core	13.17	5.77	0.04	2.16	0.033	0.008	35.82	0.603	1.20	0.107	0.11	0.010	0.711	0.337
SW-17 07	Core	11.66	6.24	0.04	1.64	0.035	0.008	35.60	0.635	1.16	0.081	0.12	0.012	0.621	0.139
SW-17 08	Core	11.89	6.89	0.05	2.31	0.030	0.007	32.32	0.843	1.20	0.095	0.13	0.010	0.790	0.057
SW-17 09	Core	11.30	7.32	0.05	2.22	0.028	0.006	29.97	0.977	1.24	0.092	0.14	0.010	0.749	0.040
SW-17 10	Core	13.45	6.49	0.06	2.97	0.027	0.007	32.55	0.767	1.43	0.100	0.13	0.010	0.872	0.053
SW-17 11	Core	14.59	6.34	0.03	2.28	0.025	0.005	33.85	0.664	1.70	0.098	0.14	0.013	0.559	0.242
SW-17 12	Core	13.59	5.76	0.03	2.26	0.030	0.005	34.88	0.504	1.76	0.081	0.14	0.011	0.568	0.325
SW-17 13	Core	13.28	5.40	0.03	2.48	0.029	0.005	36.75	0.429	1.51	0.081	0.13	0.010	0.736	0.114
SW-17 14	Core	12.04	5.22	0.02	1.70	0.032	0.005	36.70	0.386	1.44	0.073	0.13	0.011	0.555	0.088
SW-17 15	Core	13.57	5.00	0.03	2.79	0.029	0.005	35.77	0.410	1.67	0.082	0.15	0.010	0.762	0.128
SW-17 16	Core	12.87	5.10	0.06	5.52	0.032	0.004	32.26	0.439	1.72	0.074	0.22	0.011	1.541	0.175
SW-17 17	Core	16.65	4.92	0.03	3.98	0.026	0.004	29.89	0.520	2.21	0.111	0.15	0.008	0.687	0.481
SW-17 18	Core	10.85	5.50	0.05	2.04	0.031	0.003	16.51	0.986	1.60	0.062	0.21	0.003	0.270	2.010
SW-17 19	Core	11.90	5.37	0.04	1.99	0.043	0.003	21.48	0.839	1.44	0.067	0.18	0.006	0.361	0.870
SW-17 20	Core	9.34	6.22	0.06	1.53	0.031	0.002	11.87	1.189	1.41	0.059	0.23	0.002	0.187	0.928
SW-17 20D	Core	8.59	6.49	0.05	1.38	0.036	0.002	11.12	1.223	1.36	0.052	0.24	0.002	0.191	0.954
SW-17 21	Core	5.36	10.59	0.07	0.61	0.028	< 0.001	6.28	1.914	1.26	0.009	0.32	< 0.001	0.090	1.024

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

N T			LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
	Canala	Committee	SP-LOI	NA-XF100 br>%	NA-XF100 %	NA-XF100										
	Sample Description	Sample Type	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
	SW-17 22	Pulp	<0.01	0.56	<0.01	2.17	0.002	0.005	29.51	0.032	2.48	0.075	0.03	< 0.001	0.102	0.241
	SW-18 01	Core	6.99	14.90	0.09	0.46	0.018	0.001	6.39	2.759	1.60	0.020	0.45	0.002	0.065	0.759
	SW-18 02	Core	15.42	7.82	0.05	3.83	0.021	0.002	19.78	1.285	1.78	0.096	0.22	0.003	0.342	1.253
	SW-18 03	Core	16.23	6.70	0.04	2.56	0.023	0.004	27.56	0.884	1.99	0.101	0.13	0.007	0.330	0.853
	SW-18 04	Core	15.50	7.01	0.04	2.17	0.025	0.004	29.03	0.935	1.85	0.094	0.14	0.007	0.340	0.293
	SW-18 05	Core	13.97	6.04	0.04	1.52	0.027	0.005	33.56	0.683	1.42	0.121	0.11	0.008	0.361	0.059
	SW-18 06	Core	12.99	6.16	0.04	1.51	0.033	0.007	34.74	0.702	1.23	0.095	0.11	0.010	0.488	0.041
	SW-18 07	Core	12.07	7.09	0.03	1.59	0.029	0.005	31.70	0.865	1.27	0.090	0.13	0.009	0.496	0.039
	SW-18 08	Core	11.12	7.28	0.04	1.90	0.027	0.004	28.06	0.956	1.21	0.080	0.13	0.008	0.596	0.057
	SW-18 09	Core	12.11	6.91	0.04	1.39	0.026	0.004	31.27	0.808	1.34	0.092	0.13	0.009	0.425	0.071
	SW-18 10	Core	13.50	6.80	0.04	2.00	0.025	0.004	31.91	0.778	1.49	0.122	0.13	0.010	0.537	0.057
	SW-18 11	Core	13.51	6.36	0.02	2.09	0.026	0.004	32.76	0.643	1.60	0.111	0.11	0.012	0.552	0.068
	SW-18 12	Core	13.29	5.97	0.03	2.09	0.024	0.004	33.59	0.576	1.58	0.107	0.12	0.009	0.575	0.150
	SW-18 13	Core	13.27	5.65	0.03	2.34	0.027	0.005	34.43	0.499	1.60	0.101	0.12	0.011	0.643	0.111
	SW-18 14	Core	13.02	5.44	0.03	2.40	0.029	0.005	34.93	0.457	1.59	0.095	0.11	0.011	0.686	0.120
	SW-18 15	Core	13.32	4.84	0.03	2.72	0.027	0.004	34.72	0.394	1.57	0.103	0.12	0.011	0.758	0.167
	SW-18 16	Core	14.47	5.03	0.03	2.81	0.027	0.004	32.54	0.449	1.88	0.110	0.13	0.010	0.640	0.283
	SW-18 17	Core	18.14	4.22	0.03	5.02	0.019	0.003	30.80	0.473	2.16	0.119	0.13	0.023	0.787	1.312
	SW-18 18	Core	17.46	4.73	0.03	3.45	0.023	0.003	31.08	0.600	1.78	0.172	0.13	0.023	0.429	1.463
	SW-18 19	Core	10.39	5.09	0.04	2.19	0.034	0.002	18.12	0.884	0.91	0.067	0.17	0.006	0.328	1.214
	SW-18 20	Core	8.51	5.39	0.05	1.53	0.041	0.002	10.26	1.130	0.92	0.052	0.28	0.001	0.185	0.748
	SW-18 21	Core	5.58	7.25	0.06	0.62	0.042	0.003	4.39	1.543	0.79	0.004	0.35	< 0.001	0.096	0.535
	SW-18 22	Core	6.66	10.22	0.08	1.15	0.040	0.003	3.91	2.114	0.97	0.005	0.44	< 0.001	0.195	0.951
	SW-18 22D	Core	6.73	10.63	0.07	1.40	0.034	< 0.001	3.81	2.088	0.98	0.004	0.44	< 0.001	0.213	0.958
	SW-18 23	Pulp	< 0.01	0.56	< 0.01	2.16	0.003	0.005	29.74	0.037	2.50	0.075	0.03	< 0.001	0.103	0.233
	SW-19 01	Core	5.78	15.17	0.10	0.53	0.024	0.001	3.53	2.842	1.26	0.006	0.44	< 0.001	0.056	0.307
	SW-19 02	Core	6.12	14.92	0.11	0.57	0.022	0.002	4.57	2.819	1.26	0.007	0.81	< 0.001	0.054	0.269
	SW-19 03	Core	11.34	7.88	0.05	2.11	0.029	0.003	22.91	1.217	0.61	0.053	0.18	0.004	0.439	0.878
	SW-19 04	Core	13.17	8.01	0.05	3.90	0.029	0.002	23.23	1.085	0.91	0.061	0.13	0.006	0.553	1.372
11 -11	SW-19 05	Core	11.72	8.18	0.05	2.33	0.030	0.006	28.33	0.989	0.82	0.076	0.45	0.011	0.487	0.762
	SW-19 06	Core	10.77	7.04	0.04	3.52	0.031	0.005	31.52	0.873	0.82	0.058	0.13	0.014	1.054	0.550
	SW-19 07	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	SW-19 08	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	SW-19 09	Core	9.77	7.49	0.05	3.64	0.031	0.004	26.02	0.948	1.05	0.072	0.17	0.010	1.132	0.099
/	SW-19 10	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	SW-19 11	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	SW-19 12	Core	13.78	6.79	0.04	2.20	0.024	0.003	25.98	0.873	1.61	0.130	0.13	0.007	0.471	0.082
	SW-19 13	Core	13.20	6.59	0.05	1.91	0.039	0.003	24.04	0.917	1.49	0.111	0.12	0.005	0.351	0.137
	SW-19 14	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	SW-19 15	Core	13.32	6.30	0.06	2.79	0.027	0.006	27.75	0.777	1.79	0.111	0.14	0.011	0.656	0.244

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
100	4000	SP-LOI	NA-XF100												
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Type	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-19 16	Core	11.86	6.85	0.07	3.67	0.025	0.003	27.67	0.805	1.59	0.093	0.17	0.007	1.062	0.185
SW-19 17	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-19 18	Core	12.30	5.43	0.04	2.90	0.028	0.003	22.06	0.862	1.30	0.133	0.23	0.005	0.379	0.977
SW-19 19	Core	9.12	4.56	0.04	2.21	0.042	0.001	11.89	0.888	1.32	0.065	0.25	< 0.001	0.144	0.467
SW-19 20	Core	6.09	5.57	0.06	0.70	0.050	0.001	7.03	1.235	0.66	0.015	0.22	< 0.001	0.122	0.452
SW-19 21	Core	5.30	6.43	0.06	0.36	0.050	< 0.001	3.08	1.430	0.69	0.005	0.25	< 0.001	0.082	0.278
SW-19 21D	Core	5.27	6.49	0.06	0.34	0.044	< 0.001	3.08	1.426	0.69	0.005	0.23	< 0.001	0.102	0.264
SW-19 22	Core	6.02	13.71	0.08	0.51	0.028	< 0.001	2.99	2.595	1.22	0.006	0.50	< 0.001	0.109	0.472
SW-19 23	Pulp	< 0.01	0.55	< 0.01	2.17	0.005	0.005	29.89	0.035	2.50	0.075	0.02	< 0.001	0.102	0.220
SW-20A 01	Core	15.25	7.18	0.04	2.46	0.026	0.004	28.98	0.995	1.77	0.099	0.17	0.010	0.508	0.207
SW-20A 02	Core	13.42	7.38	0.05	1.69	0.019	0.004	30.53	1.024	1.46	0.094	0.14	0.005	0.449	0.050
SW-20A 03	Core	11.84	8.39	0.05	2.22	0.021	0.003	25.72	1.210	1.50	0.071	0.16	0.004	0.500	0.066
SW-20A 04	Core	15.41	6.07	0.04	2.09	0.024	0.005	33.75	0.673	1.58	0.107	0.12	0.006	0.436	0.065
SW-20A 05	Core	11.96	5.85	0.03	1.85	0.031	0.005	36.96	0.534	1.08	0.090	0.14	0.010	0.680	0.030
SW-20A 06	Core	11.98	6.21	0.03	1.59	0.028	0.005	37.33	0.582	1.09	0.082	0.13	0.009	0.608	0.027
SW-20A 07	Core	12.74	6.17	0.03	2.38	0.027	0.005	37.26	0.564	1.24	0.081	0.13	0.009	0.801	0.033
SW-20A 08	Core	13.41	6.02	0.04	3.13	0.025	0.004	29.09	0.632	1.58	0.084	0.18	0.005	0.561	0.108
SW-20A 09	Core	11.97	5.33	0.03	1.88	0.031	0.006	38.87	0.354	1.32	0.073	0.11	0.008	0.634	0.053
SW-20A 10	Core	13.42	5.11	0.03	2.61	0.026	0.005	37.88	0.391	1.43	0.091	0.12	0.010	0.796	0.134
SW-20A 11	Core	14.61	4.67	0.03	2.70	0.024	0.005	36.13	0.365	1.73	0.105	0.11	0.009	0.642	0.149
SW-20A 12	Core	14.78	5.58	0.04	3.54	0.023	0.003	26.73	0.704	1.84	0.094	0.14	0.007	0.555	0.795
SW-20A 13	Core	14.03	5.49	0.04	2.87	0.025	0.003	24.13	0.806	1.62	0.120	0.12	0.008	0.342	0.867
SW-20A 14	Core	13.60	6.01	0.05	2.90	0.024	0.002	20.50	0.917	1.69	0.103	0.15	0.004	0.311	1.026
SW-20A 15	Core	11.37	6.18	0.04	2.65	0.031	0.002	17.49	0.944	1.26	0.062	0.20	0.003	0.391	1.280
SW-20A 15D	Core	11.79	6.26	0.04	2.32	0.027	0.002	18.34	0.922	1.34	0.078	0.18	0.005	0.277	1.221
SW-20A 16	Core	8.84	5.55	0.06	3.30	0.036	< 0.001	12.45	1.014	0.71	0.021	0.25	< 0.001	0.579	1.165
SW-20A 17	Core	8.41	6.60	0.06	4.37	0.035	< 0.001	7.86	1.293	0.75	0.018	0.34	< 0.001	1.123	1.293
SW-20A 18	Pulp	< 0.01	0.55	< 0.01	2.18	< 0.001	0.005	30.10	0.039	2.51	0.076	0.02	< 0.001	0.102	0.222
SW-20A 19	Core	6.65	13.32	0.09	0.67	0.024	< 0.001	3.93	2.567	1.13	0.005	0.53	< 0.001	0.154	0.755
SW-20A 20	Core	8.71	12.14	0.06	3.50	0.015	0.001	5.26	2.308	1.09	0.030	0.46	< 0.001	0.074	1.980
SW-21R 01	Core	9.74	10.79	0.07	3.07	0.019	0.001	13.86	1.839	1.42	0.037	0.34	0.002	0.563	0.209
SW-21R 02	Core	10.43	10.32	0.07	2.54	0.025	0.002	12.77	1.811	1.72	0.059	0.63	0.002	0.198	0.323
SW-21R 03	Core	18.34	6.84	0.05	2.41	0.017	0.003	26.64	1.027	2.14	0.126	0.13	0.002	0.299	0.097
SW-21R 04	Core	11.02	8.40	0.05	2.87	0.022	0.003	27.30	1.175	1.36	0.071	0.16	0.005	0.806	0.053
SW-21R 05	Core	11.24	6.34	0.04	1.43	0.028	0.005	36.64	0.665	1.14	0.089	0.12	0.007	0.525	0.024
SW-21R 06	Core	12.39	5.81	0.04	2.21	0.029	0.005	37.49	0.529	1.16	0.095	0.12	0.008	0.750	0.029
SW-21R 07	Core	12.29	6.43	0.04	2.69	0.029	0.005	35.81	0.589	1.30	0.075	0.14	0.009	0.874	0.030
SW-21R 08	Core	12.37	7.11	0.04	2.33	0.023	0.004	32.00	0.837	1.43	0.074	0.18	0.007	0.611	0.084
SW-21R 09	Core	13.55	6.40	0.03	3.46	0.026	0.005	32.12	0.745	1.62	0.085	0.23	0.008	0.613	0.183
SW-21R 10	Core	14.11	6.02	0.04	2.33	0.026	0.005	35.35	0.596	1.46	0.087	0.13	0.008	0.655	0.130



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-21R 11	Core	13.32	5.88	0.04	1.98	0.028	0.005	37.26	0.495	1.40	0.075	0.12	0.010	0.605	0.078
SW-21R 12	Core	13.13	4.92	0.04	2.61	0.028	0.005	38.50	0.355	1.35	0.085	0.12	0.010	0.837	0.155
SW-21R 13	Core	13.26	4.92	0.03	2.02	0.027	0.005	37.98	0.362	1.47	0.083	0.12	0.010	0.613	0.128
SW-21R 14	Core	13.10	5.49	0.04	3.25	0.028	0.003	29.26	0.586	1.35	0.072	0.16	0.006	0.700	0.771
SW-21R 15	Core	16.50	5.73	0.04	3,55	0.022	0.003	27.69	0.691	1.82	0.109	0.12	0.007	0.373	1.066
SW-21R 16	Core	13.79	5.59	0.04	4.73	0.027	0.002	20.43	0.784	1.50	0.151	0.17	0.005	0.441	1.766
SW-21R 17	Core	8.36	6.68	0.05	3.85	0.031	< 0.001	10.10	1.205	0.68	0.049	0.26	0.006	0.530	1.555
SW-21R 18	Core	6.78	13.46	0.07	0.87	0.024	< 0.001	3.72	2.543	1.11	0.006	0.58	< 0.001	0.110	0.848
SW-21R 18D	Core	6.52	13.80	0.08	0.92	0.023	< 0.001	3.19	2.600	1.11	0.005	0.55	< 0.001	0.092	0.787
SW-21R 19	Core	5.94	13.01	0.08	0.81	0.023	0.001	2.94	2.644	1.10	0.007	0.51	< 0.001	0.079	0.701
SW-21R 20	Pulp	< 0.01	0.56	< 0.01	2.16	0.004	0.005	29.98	0.035	2.51	0.076	0.02	< 0.001	0.102	0.229
SW-22 01	Core	5.88	15.14	0.12	0.41	0.022	0.004	3.93	3.037	1.36	0.009	0.50	0.002	0.050	0.309
SW-22 02	Core	6.04	14.73	0.09	0.50	0.023	0.004	6.01	2.648	1.30	0.011	0.45	0.003	0.072	0.303
SW-22 03	Core	9.88	9.74	0.04	1.12	0.023	0.003	24.38	1.426	1.07	0.077	0.24	0.005	0.311	0.639
SW-22 04	Core	9.17	9.95	0.06	1.93	0.021	0.002	19.05	1.768	1.23	0.097	0.28	0.004	0.263	0.928
SW-22 05	Core	5.79	13.50	0.09	0.66	0.027	0.003	5.80	2.679	1.28	0.018	0.44	0.004	0.094	0.359
SW-22 06	Core	6.12	14.64	0.12	0.96	0.017	0.001	5.71	2.719	1.40	0.013	0.45	< 0.001	0.057	0.485
SW-22 07	Core	6.75	13.65	0.07	0.52	0.019	0.002	10.84	2.392	1.32	0.017	0.40	0.004	0.098	0.176
SW-22 08	Core	12.88	7.89	0.05	3.53	0.020	0.003	26.67	1.148	1.62	0.105	0.16	0.007	0.607	0.424
SW-22 09	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-22 10	Core	11.95	6.84	0.04	2.23	0.033	0.005	30.62	0.836	1.34	0.087	0.13	0.007	0.519	0.333
SW-22 11	Core	13.31	6.10	0.03	1.27	0.031	0.005	36.76	0.588	1.35	0.112	0.10	0.008	0.461	0.047
SW-22 12	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-22 13	Core	14.21	6.64	0.04	2.50	0.025	0.004	32.96	0.717	1.64	0.099	0.12	0.009	0.663	0.146
SW-22 14	Core	13.40	6.14	0.03	2.17	0.028	0.005	35.30	0.579	1.53	0.087	0.12	0.009	0.643	0.090
SW-22 15	Core	13.26	6.01	0.04	1.99	0.029	0.005	35.67	0.551	1.54	0.082	0.11	0.009	0.617	0.082
SW-22 16	Core	12.41	5.41	0.04	1.78	0.031	0.005	38.26	0.387	1.44	0.072	0.10	0.010	0.630	0.089
SW-22 17	Core	12.85	5.15	0.03	1.68	0.030	0.005	37.54	0.361	1.56	0.077	0.10	0.010	0.565	0.097
SW-22 18	Core	14.31	4.99	0.02	1.78	0.032	0.004	35.40	0.406	1.68	0.098	0.09	0.009	0.387	0.292
SW-22 19	Core	16.38	4.30	0.04	3.98	0.021	0.005	33.41	0.427	1.82	0.139	0.11	0.009	0.518	1.391
SW-22 20	Core	15.14	6.08	0.03	4.22	0.025	0.004	28.88	0.726	1.05	0.145	0.15	0.010	0.793	2.079
SW-22 21	Core	6.44	14.44	0.08	0.71	0.019	< 0.001	4.46	2.609	1.17	0.016	0.51	< 0.001	0.113	0.576
SW-22 22	Core	6.27	13.29	0.08	0.50	0.021	< 0.001	4.00	2.507	1.10	0.009	0.51	< 0.001	0.078	0.594
SW-22 22D	Core	6.28	13.39	0.08	0.45	0.022	< 0.001	3.87	2.534	1.12	0.009	0.52	< 0.001	0.072	0.590
SW-22 23	Pulp	< 0.01	0.53	< 0.01	2.18	0.003	0.005	30.04	0.035	2.50	0.076	0.02	< 0.001	0.103	0.221
SW-23 01	Core	5.95	14.58	0.09	0.66	0.024	0.001	6.01	2.767	1.28	0.015	0.42	0.001	0.111	0.288
SW-23 02	Core	NS	NS	NS.	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-23 03	Core	6.09	14.53	0.08	0.55	0.019	< 0.001	6.39	2.721	1.26	0.027	0.46	< 0.001	0.077	0.197
SW-23 04	Core	12.59	7.33	0.04	4.09	0.019	0.001	27.03	0.984	1.29	0.027	0.40	0.009	0.195	0.782
SW-23 05	Core	NS	NS	NS NS	NS	NS	0.003 NS	NS NS	NS	NS NS	NS NS	NS	NS	NS	NS



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100												
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-23 06	Core	11.13	7.20	0.05	3.71	0.022	0.004	26.79	1.072	0.82	0.137	0.17	0.008	0.798	0.783
SW-23 07	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-23 08	Core	10.19	7.71	0.05	2.61	0.027	0.004	29.29	1.009	1.24	0.098	0.13	0.008	0.562	0.073
SW-23 09	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-23 10	Core	12.85	6.24	0.03	2.18	0.028	0.005	35.29	0.605	1.46	0.097	0.12	0.009	0.718	0.079
SW-23 11	Core	14.19	5.51	0.03	2.81	0.027	0.005	35.99	0.463	1.60	0.113	0.13	0.011	0.807	0.173
SW-23 12	Core	12.36	5.54	0.03	1.94	0.032	0.005	35.93	0.431	1.62	0.082	0.11	0.011	0.610	0.193
SW-23 13	Core	17.60	5.21	0.04	4.52	0.027	0.003	28.88	0.518	2.59	0.112	0.13	0.009	0.685	0.418
SW-23 14	Core	15.12	6.05	0.04	3.86	0.025	0.003	25.21	0.739	1.73	0.141	0.14	0.009	0.457	1.539
SW-23 15	Core	9.71	5.94	0.05	2.03	0.036	0.002	14.95	1.004	0.77	0.049	0.18	0.006	0.286	1.607
SW-23 16	Core	5.92	7.41	0.08	1.13	0.041	< 0.001	6.18	1.484	0.76	0.013	0.30	< 0.001	0.118	0.760
SW-23 17	Core	5.91	7.23	0.07	1.20	0.042	< 0.001	6.96	1.413	0.74	0.009	0.25	< 0.001	0.115	0.695
SW-23 18	Core	5.91	8.57	0.08	0.90	0.048	< 0.001	4.52	1.709	0.84	0.005	0.32	< 0.001	0.153	0.614
SW-23 19	Core	5.77	15.20	0.07	0.60	0.024	< 0.001	2.88	2.751	1.23	0.007	0.48	< 0.001	0.065	0.451
SW-23 20	Core	5.93	15.50	0.08	0.50	0.019	< 0.001	2.94	2.803	1.23	0.006	0.51	< 0.001	0.065	0.442
SW-23 20D	Core	6.00	15.61	0.08	0.61	0.022	< 0.001	2.94	2.818	1.21	0.006	0.50	< 0.001	0.067	0.513
SW-23 21	Pulp	< 0.01	0.54	< 0.01	2.19	0.003	0.005	30.07	0.035	2.51	0.076	0.02	< 0.001	0.103	0.220



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	%	
Description	Type	0.01	0.001	0.001	0.001	0.01	de la contraction de la contra	market in a	
SW-13 01	Core	65.49	0.882	0.054	0.016	< 0.01	97.77	5.68	
SW-13 02	Core	61.28	0.823	0.063	0.018	< 0.01	96.95	6.63	
SW-13 03	Core	36.08	0.312	0.131	0.033	< 0.01	88.78	13.74	
SW-13 04	Core	37.92	0.380	0.174	0.050	< 0.01	90.44	14.71	
SW-13 05	Core	35.12	0.319	0.164	0.041	< 0.01	88.81	13.75	
SW-13 06	Core	36.00	0.311	0.183	0.048	< 0.01	88.70	12.33	
SW-13 07	Core	28.13	0.261	0.175	0.053	< 0.01	86.86	14.57	
SW-13 08	Core	26.92	0.246	0.169	0.046	< 0.01	86.84	16.10	
SW-13 09	Core	26.52	0.228	0.192	0.054	< 0.01	86.57	15.42	
SW-13 10	Core	32.31	0.250	0.159	0.042	< 0.01	88.54	16.78	
SW-13 11	Core	32.91	0.201	0.092	0.021	< 0.01	88.98	19.07	
SW-13 12	Core	63.97	0.465	0.092	0.021	< 0.01	95.59	6.33	
SW-13 12D	Core	65.90	0.791	0.058	0.016	< 0.01	97.82	5.66	
SW-13 13	Core	66.16	0.853	0.051	0.014	< 0.01	97.87	5.36	
SW-13 14	Pulp	53.09	0.005	< 0.001	0.005	< 0.01	87.85	0.00	
SW-15 01	Core	31.87	0.355	0.173	0.040	< 0.01	86.64	10.32	
SW-15 02	Core	31.65	0.341	0.198	0.048	< 0.01	86.76	11.36	
SW-15 03	Core	25.46	0.230	0.237	0.058	< 0.01	85.10	12.52	
SW-15 04	Core	23.01	0.186	0.254	0.067	< 0.01	84.18	12.61	
SW-15 05	Core	23.60	0.190	0.238	0.060	< 0.01	82.92	11.64	
SW-15 06	Core	24.22	0.214	0.236	0.060	< 0.01	84.28	11.88	
SW-15 07	Core	21.84	0.210	0.233	0.060	< 0.01	83.88	13.12	
SW-15 08	Core	21.62	0.184	0.217	0.061	< 0.01	82.24	13.15	
SW-15 09	Core	21.22	0.155	0.241	0.065	< 0.01	83.43	12.75	
SW-15 10	Core	22.02	0.116	0.254	0.066	< 0.01	83.43	12.61	
SW-15 11	Core	22.71	0.119	0.248	0.067	< 0.01	83.37	12.17	
SW-15 12	Core	23.92	0.114	0.217	0.056	< 0.01	83.48	14.32	
SW-15 13	Core	32.81	0.114	0.186	0.055	< 0.01	88.28	14.89	
SW-15 14	Core	41.76	0.232	0.165	0.046	< 0.01	90.47	13.53	
SW-15 15	Core	41.19	0.232	0.110	0.033	<0.01	90.63	14.37	
SW-15 16	Core	54.14	0.247	0.084	0.033	< 0.01	93.84	10.54	
SW-15 17	Core	71.41	0.321	0.056	0.012	< 0.01	99.23	8.52	
SW-15 17	Core	65.61	0.737	0.030	0.012	< 0.01	98.09	8.02	
SW-15 19	Core	64.33	0.795	0.048	0.003	< 0.01	98.03	7.44	
SW-15 19D		66.27	0.793	0.048	0.007	<0.01	97.84	6.71	THE RESIDENCE OF THE PARTY OF T
	Core							0.00	
SW-15 20	Pulp	52.48	0.002	0.001	0.005	<0.01	87.02	0.00	
SW-15 21	Pulp	52.65	0.003	< 0.001	0.005	<0.01	86.90		
SW-16 01	Core	54.90	0.495	0.066	0.018	<0.01	92.61	8.43	
SW-16 02 SW-16 03	Core	61.79 29.52	0.819	0.062 0.149	0.017	<0.01	95.92 87.52	6.34 16.71	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01			
SW-16 04	Core	25.70	0.242	0.211	0.054	< 0.01	84.86	13.96	
SW-16 05	Core	22.29	0.184	0.233	0.063	< 0.01	83.50	13.77	
SW-16 06	Core	22.54	0.179	0.240	0.060	< 0.01	83.08	12.76	
SW-16 07	Core	26.57	0.242	0.214	0.071	< 0.01	84.44	12.68	
SW-16 08	Core	25.63	0.247	0.210	0.055	< 0.01	84.12	12.60	
SW-16 09	Core	23.98	0.231	0.206	0.062	< 0.01	83.96	13.05	
SW-16 10	Core	22.60	0.207	0.203	0.058	< 0.01	83.44	13.84	
SW-16 11	Core	21.58	0.155	0.230	0.061	< 0.01	82.56	12.84	
SW-16 12	Core	20.89	0.113	0.240	0.063	< 0.01	82.12	12.79	
SW-16 13	Core	21.07	0.102	0.216	0.059	< 0.01	82.79	14.36	
SW-16 14	Core	23.48	0.116	0.216	0.059	< 0.01	83.79	14.62	
SW-16 15	Core	27.83	0.197	0.143	0.045	< 0.01	86.69	17.41	
SW-16 16	Core	56.42	0.191	0.062	0.014	< 0.01	92.07	8.54	
SW-16 17	Core	41.84	0.195	0.122	0.033	< 0.01	90.52	14.40	
SW-16 18	Core	60.26	0.264	0.110	0.030	< 0.01	95.05	8.86	
SW-16 19	Core	68.30	0.295	0.070	0.018	< 0.01	95.57	7.29	
SW-16 19D	Core	68.02	0.301	0.066	0.015	< 0.01	95.67	7.54	
SW-16 20	Pulp	52.73	0.005	< 0.001	0.005	< 0.01	87.20	0.00	
SW-17 01	Core	57.07	0.673	0.081	0.019	< 0.01	94.15	7.62	
SW-17 02	Core	61.29	0.830	0.058	0.017	< 0.01	95.75	5.97	
SW-17 03	Core	26.05	0.262	0.125	0.039	< 0.01	86.77	18.66	
SW-17 04	Core	29.69	0.289	0.202	0.058	< 0.01	85.83	12.79	
SW-17 05	Core	25.90	0.240	0.211	0.064	< 0.01	84.40	12.73	
SW-17 06	Core	23.02	0.193	0.222	0.059	< 0.01	83.57	13.17	
SW-17 07	Core	25.39	0.205	0.239	0.055	< 0.01	83.85	11.66	
SW-17 08	Core	27.47	0.266	0.208	0.063	< 0.01	84.62	11.89	
SW-17 09	Core	30.87	0.314	0.188	0.055	< 0.01	85.55	11.30	
SW-17 10	Core	24.99	0.258	0.184	0.056	< 0.01	84.40	13.45	
SW-17 11	Core	23.71	0.239	0.191	0.054	< 0.01	84.74	14.59	
SW-17 12	Core	23.89	0.186	0.214	0.056	< 0.01	84.30	13.59	
SW-17 13	Core	21.66	0.155	0.226	0.054	< 0.01	83.10	13.28	
SW-17 14	Core	24.71	0.132	0.247	0.062	< 0.01	83.57	12.04	
SW-17 15	Core	22.95	0.138	0.224	0.057	< 0.01	83.79	13.57	
SW-17 16	Core	23.36	0.138	0.241	0.061	< 0.01	83.86	12.87	
SW-17 17	Core	25.62	0.151	0.199	0.051	< 0.01	85.73	16.65	
SW-17 18	Core	53.23	0.254	0.095	0.025	< 0.01	93.74	10.85	
SW-17 19	Core	45.69	0.222	0.129	0.033	< 0.01	90.67	11.90	
SW-17 20	Core	60.79	0.307	0.071	0.016	< 0.01	94.25	9.34	
SW-17 20D	Core	63.03	0.311	0.074	0.017	< 0.01	95.12	8.59	
SW-1721	Core	68.39	0.528	0.054	0.013	< 0.01	96.56	5.36	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V205	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01		-	
SW-17 22	Pulp	52.17	0.020	< 0.001	0.002	< 0.01	86.36	0.00	
SW-18 01	Core	61.12	0.810	0.057	0.015	0.01	96.52	6.99	
SW-18 02	Core	37.12	0.389	0.098	0.026	< 0.01	89.56	15.42	
SW-18 03	Core	29.59	0.284	0.170	0.044	< 0.01	87.51	16.23	
SW-18 04	Core	28.49	0.303	0.173	0.047	<0.01	86.48	15.50	
SW-18 05	Core	26.71	0.222	0.211	0.046	< 0.01	85.12	13.97	
SW-18 06	Core	25.01	0.231	0.222	0.057	< 0.01	83.68	12.99	
SW-18 07	Core	29.76	0.284	0.207	0.052	< 0.01	85.72	12.07	
SW-18 08	Core	35.11	0.322	0.180	0.044	< 0.01	87.13	11.12	
SW-18 09	Core	30.82	0.275	0.195	0.050	< 0.01	85.97	12.11	
SW-18 10	Core	27.28	0.263	0.185	0.051	< 0.01	85.18	13.50	
SW-18 11	Core	26.49	0.226	0.197	0.050	< 0.01	84.85	13.51	
SW-18 12	Core	25.85	0.204	0.198	0.052	< 0.01	84.44	13.29	
SW-18 13	Core	24.94	0.181	0.206	0.054	< 0.01	84.25	13.27	
SW-18 14	Core	24.85	0.162	0.213	0.055	< 0.01	84.23	13.02	
SW-18 15	Core	24.87	0.140	0.205	0.050	< 0.01	84.05	13.32	
SW-18 16	Core	25.87	0.143	0.211	0.053	< 0.01	84.72	14.47	
SW-18 17	Core	20.99	0.137	0.150	0.044	< 0.01	84.58	18.14	
SW-18 18	Core	23.58	0.154	0.140	0.043	< 0.01	83.45	17.46	
SW-18 19	Core	51.99	0.211	0.100	0.030	< 0.01	91.79	10.39	
SW-18 20	Core	65.65	0.280	0.054	0.015	< 0.01	95.12	8.51	
SW-18 21	Core	75.72	0.422	0.048	0.007	< 0.01	97.46	5.58	
SW-18 22	Core	69.04	0.596	0.047	0.006	< 0.01	95.55	6.66	
SW-18 22D	Core	69.42	0.575	0.047	0.004	< 0.01	94.95	6.73	
SW-18 23	Pulp	52.80	0.023	< 0.001	0.002	< 0.01	87.25	0.00	
SW-19 01	Core	66.57	0.819	0.050	0.008	< 0.01	95.04	5.78	
SW-19 02	Core	64.68	0.843	0.056	0.008	< 0.01	97.12	6.12	
SW-19 03	Core	40.88	0.362	0.141	0.036	< 0.01	89.14	11.34	
SW-19 04	Core	35.66	0.343	0.171	0.036	0.01	88.75	13.17	
SW-19 05	Core	32.46	0.294	0.170	0.052	< 0.01	85.16	11.72	
SW-19 06	Core	28.00	0.288	0.189	0.051	< 0.01	84.99	10.77	
SW-19 07	Core	NS							
SW-19 08	Core	NS							
SW-19 09	Core	35.75	0.317	0.168	0.047	0.01	86.78	9.77	
SW-19 10	Core	NS							
SW-19 11	Core	NS							
SW-19 12	Core	35.17	0.298	0.155	0.038	< 0.01	87.81	13.78	
SW-19 13	Core	39.39	0.310	0.132	0.034	< 0.01	88.83	13.20	
SW-19 14	Core	NS							
SW-19 15	Core	32.55	0.279	0.159	0.059	< 0.01	87.04	13.32	AND THE PARTY OF T



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01			
SW-19 16	Core	31.20	0.278	0.177	0.055	< 0.01	85.80	11.86	
SW-19 17	Core	NS							
SW-19 18	Core	42.00	0.240	0.093	0.028	< 0.01	89.03	12.30	
SW-19 19	Core	62.37	0.216	0.044	0.011	< 0.01	93.65	9.12	
SW-19 20	Core	73.94	0.284	0.050	0.012	< 0.01	96.49	6.09	
SW-19 21	Core	80.02	0.365	0.039	0.002	< 0.01	98.44	5.30	
SW-19 21D	Core	79.67	0.348	0.038	0.002	< 0.01	98.04	5.27	
SW-19 22	Core	68.41	0.785	0.042	0.004	< 0.01	97.47	6.02	
SW-19 23	Pulp	52.59	0.004	< 0.001	0.003	< 0.01	87.11	0.00	
SW-20A 01	Core	27.96	0.317	0.149	0.041	< 0.01	86.16	15.25	
SW-20A 02	Core	29.16	0.307	0.177	0.041	< 0.01	85.99	13.42	
SW-20A 03	Core	35.28	0.361	0.191	0.034	< 0.01	87.63	11.84	
SW-20A 04	Core	24.51	0.207	0.204	0.049	< 0.01	85.34	15.41	
SW-20A 05	Core	23.59	0.193	0.243	0.063	< 0.01	83.36	11.96	
SW-20A 06	Core	23.51	0.198	0.232	0.058	< 0.01	83.68	11.98	
SW-20A 07	Core	21.34	0.194	0.225	0.058	< 0.01	83.28	12.74	
SW-20A 08	Core	31.34	0.201	0.179	0.071	< 0.01	86.66	13.41	
SW-20A 09	Core	21.63	0.122	0.252	0.062	< 0.01	82.74	11.97	
SW-20A 10	Core	20.13	0.125	0.220	0.070	< 0.01	82.59	13.42	
SW-20A 11	Core	22.00	0.109	0.211	0.058	< 0.01	83.65	14.61	
SW-20A 12	Core	32.33	0.184	0.175	0.056	< 0.01	87.56	14.78	
SW-20A 13	Core	38.03	0.197	0.138	0.040	< 0.01	88.87	14.03	
SW-20A 14	Core	42.63	0.233	0.118	0.036	< 0.01	90.29	13.60	
SW-20A 15	Core	49.62	0.222	0.106	0.031	< 0.01	91.88	11.37	
W-20A 15D	Core	48.47	0.222	0.105	0.033	< 0.01	91.63	11.79	
SW-20A 16	Core	59.00	0.228	0.083	0.018	< 0.01	93.29	8.84	
SW-20A 17	Core	62.45	0.344	0.063	0.009	< 0.01	95.06	8.41	
SW-20A 18	Pulp	53.11	0.003	< 0.001	0.002	< 0.01	87.97	0.00	
SW-20A 19	Core	67.30	0.805	0.046	0.003	0.01	97.99	6.65	
SW-20A 20	Core	60.17	0.712	0.037	0.012	< 0.01	96.55	8.71	
SW-21R 01	Core	49.87	0.532	0.091	0.025	< 0.01	92.47	9.74	
SW-21R 02	Core	51.82	0.469	0.088	0.023	< 0.01	93.29	10.43	
SW-21R 03	Core	29.22	0.302	0.126	0.030	< 0.01	87.79	18.34	
SW-21R 04	Core	32.96	0.362	0.187	0.044	< 0.01	86.85	11.02	
SW-21R 05	Core	24.83	0.218	0.243	0.056	< 0.01	83.61	11.24	
SW-21R 06	Core	21.80	0.177	0.241	0.061	< 0.01	82.93	12.39	
SW-21R 07	Core	22.50	0.196	0.241	0.057	< 0.01	83.30	12.29	
SW-21R 07	Core	27.93	0.272	0.191	0.055	< 0.01	85.54	12.37	
SW-21R 09	Core	25.50	0.231	0.184	0.052	< 0.01	85.04	13.55	
SW-21R 10	Core	22.33	0.197	0.200	0.055	< 0.01	83.72	14.11	

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01			All and the second seco
SW-21R 11	Core	21.54	0.166	0.230	0.062	< 0.01	83.26	13.32	
SW-21R 12	Core	19.76	0.114	0.230	0.062	< 0.01	82.29	13.13	
SW-21R 13	Core	21.47	0.111	0.233	0.063	< 0.01	82.89	13.26	
SW-21R 14	Core	31.24	0.147	0.203	0.053	< 0.01	86.44	13.10	
SW-21R 15	Core	28.65	0.178	0.142	0.049	< 0.01	86.72	16.50	
SW-21R 16	Core	39.66	0.181	0.112	0.040	< 0.01	89.42	13.79	
SW-21R 17	Core	60.39	0.296	0.069	0.020	< 0.01	94.13	8.36	
SW-21R 18	Core	66.19	0.771	0.047	0.004	< 0.01	97.14	6.78	
SW-21R 18D	Core	67.14	0.797	0.048	0.005	< 0.01	97.66	6.52	
SW-21R 19	Core	68.09	0.814	0.045	0.004	0.01	96.80	5.94	
SW-21R 20	Pulp	52.67	0.003	< 0.001	0.003	< 0.01	87.24	0.00	
SW-22 01	Core	65.11	0.886	0.055	0.010	0.02	96.85	5.88	
SW-22 02	Core	63.97	0.768	0.077	0.021	0.02	97.04	6.04	
SW-22 03	Core	38.72	0.418	0.138	0.041	< 0.01	88.26	9.88	
SW-22 04	Core	44.93	0.517	0.097	0.028	<0.01	90.33	9.17	
SW-22 05	Core	64.94	0.778	0.066	0.019	0.02	96.57	5.79	
SW-22 06	Core	62.41	0.798	0.051	0.010	< 0.01	95.96	6.12	
SW-22 07	Core	57.08	0.714	0.074	0.020	< 0.01	94.14	6.75	
SW-22 08	Core	31.55	0.346	0.151	0.040	< 0.01	87.21	12.88	
SW-22 09	Core	NS	NS NS	NS	NS	NS	NS	NS	
SW-22 10	Core	30.72	0.261	0.217	0.048	< 0.01	86.22	11.95	
SW-22 11	Core	23.31	0.195	0.238	0.055	< 0.01	83.97	13.31	
SW-22 11	Core	NS							
SW-22 12	Core	24.49	0.240	0.198	0.058	< 0.01	84.75	14.21	
SW-22 14	Core	23.47	0.191	0.198	0.057	<0.01	84.05	13.40	
	100 - 100							A-133	
SW-22 15	Core	23.20	0.181	0.221	0.056	< 0.01	83.63	13.26	
SW-22 16	Core	21.38	0.129	0.244	0.064	<0.01	82.47	12.41	
SW-22 17	Core	22.64	0.117	0.239	0.066	<0.01	83.11	12.85	
SW-22 18	Core	24.30	0.122	0.225	0.058	<0.01	84.19	14.31	
SW-22 19	Core	21.56	0.110	0.173	0.057	<0.01	84.44	16.38	
SW-22 20	Core	26.84	0.190	0.126	0.055	<0.01	86.53	15.14	
SW-22 21	Core	64.85	0.814	0.052	0.010	< 0.01	96.87	6.44	
SW-22 22	Core	67.40	0.788	0.047	0.006	< 0.01	97.21	6.27	
SW-22 22D	Core	67.74	0.783	0.047	0.007	< 0.01	97.51	6.28	
SW-22 23	Pulp	52.74	0.002	< 0.001	0.002	< 0.01	87.34	0.00	
SW-23 01	Core	63.20	0.784	0.069	0.014	< 0.01	96.26	5.95	
SW-23 02	Core	NS							
SW-23 03	Core	62.71	0.803	0.050	0.014	< 0.01	95.98	6.09	
SW-23 04	Core	31.30	0.298	0.178	0.043	< 0.01	86.41	12.59	
SW-23 05	Core	NS							



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01	Maria Jak		
SW-23 06	Core	33.57	0.316	0.137	0.043	< 0.01	86.74	11.13	The second secon
SW-23 07	Core	NS	NS	NS	NS	NS	NS	NS	
SW-23 08	Core	32.53	0.317	0.193	0.048	< 0.01	86.09	10.19	
SW-23 09	Core	NS	NS	NS	NS	NS	NS	NS	
SW-23 10	Core	23.41	0.200	0.211	0.060	< 0.01	83.58	12.85	
SW-23 11	Core	21.18	0.152	0.217	0.066	< 0.01	83.46	14.19	
SW-23 12	Core	24.39	0.130	0.250	0.067	< 0.01	83.71	12.36	
SW-23 13	Core	25.05	0.137	0.207	0.063	< 0.01	86.19	17.60	
SW-23 14	Core	32.57	0.187	0.128	0.054	< 0.01	87.98	15.12	
SW-23 15	Core	56.30	0.240	0.091	0.031	< 0.01	93.27	9.71	
SW-23 16	Core	71.98	0.384	0.058	0.006	< 0.01	96.60	5.92	
SW-23 17	Core	71.16	0.356	0.058	0.014	< 0.01	96.20	5.91	
SW-23 18	Core	73.29	0.469	0.052	0.004	< 0.01	97.48	5.91	
SW-23 19	Core	67.21	0.851	0.044	0.006	< 0.01	97.64	5.77	
SW-23 20	Core	66.67	0.863	0.042	0.007	< 0.01	97.60	5.93	
SW-23 20D	Core	66.99	0.865	0.043	0.006	< 0.01	98.28	6.00	
SW-23 21	Pulp	52.51	0.003	< 0.001	0.003	< 0.01	87.17	0.00	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

Sample	Sample	LOI SP-LOI %	Al2O3 NA-XF100 %	BaO NA-XF100 %	CaO NA-XF100	Cr2O3 NA-XF100 %	Cu NA-XF100 %	Fe NA-XF100 %	K2O NA-XF100 %	MgO NA-XF100 %	Mn NA-XF100 %	Na2O NA-XF100 %	Ni NA-XF100 %	P NA-XF100 %	S NA-XF100 %
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
QCV1206-02161-0001-BLK			< 0.01	< 0.01	< 0.01	0.002	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.16	< 0.01	2.62	3.508	0.001	8.90	0.084	25.59	0.167	0.36	0.055	0.005	0.016
SW-15 09	Core		5.48	0.03	1.94	0.028	0.008	38.81	0.448	1.33	0.081	0.10	0.011	0.693	0.049
SW-15 09 Dup			5.53	0.03	1.93	0.028	0.008	38.92	0.445	1.32	0.081	0.10	0.011	0.696	0.048
TD-360-BCS No 381 expected			0.67		49.00	0.330				1.03					
STD-360-BCS No 381 result			0.67	< 0.01	48.94	0.307	0.008	13.37	0.056	0.98	2.463	0.27	0.003	6.909	0.187
SW-16 11	Core		5.48	0.03	2.08	0.030	0.008	37.25	0.456	1.42	0.074	0.11	0.012	0.656	0.090
SW-16 11 Dup			5.48	0.03	2.08	0.031	0.008	37.34	0.456	1.42	0.074	0.11	0.012	0.653	0.092
STD-JSS 852-2 expected			0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002
STD-JSS 852-2 result			0.37	<0.01	0.13	0.016	0.019	66.67	< 0.001	1.13	0.075	0.02	0.045	0.012	0.002
SW-17 14	Core		5.22	0.02	1.70	0.032	0.005	36.70	0.386	1.44	0.073	0.13	0.011	0.555	0.088
SW-17 14 Dup			5.24	0.03	1.69	0.033	0.005	36.57	0.384	1.44	0.073	0.15	0.013	0.548	0.087
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.16	< 0.01	2.61	3.517	< 0.001	8.93	0.081	25.35	0.173	0.37	0.056	0.006	0.007
SW-18 15	Core		4.84	0.03	2.72	0.027	0.004	34.72	0.394	1.57	0.103	0.12	0.011	0.758	0.167
SW-18 15 Dup			4.81	0.03	2.71	0.028	0.004	34.77	0.393	1.56	0.103	0.11	0.011	0.769	0.168
TD-360-BCS No 381 expected			0.67		49.00	0.330				1.03					
STD-360-BCS No 381 result			0.70	< 0.01	49.21	0.306	0.005	13.29	0.057	0.99	2.432	0.28	0.002	6.678	0.186
SW-19 21	Core		6.43	0.06	0.36	0.050	< 0.001	3.08	1.430	0.69	0.005	0.25	< 0.001	0.082	0.278
SW-19 21 Dup			6.46	0.07	0.36	0.048	< 0.001	3.11	1.440	0.70	0.005	0.24	< 0.001	0.081	0.282
STD-JSS 852-2 expected			0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002
STD-JSS 852-2 result			0.40	< 0.01	0.13	0.013	0.015	66.90	< 0.001	1.14	0.077	0.03	0.044	0.011	0.006
SW-20A 20	Core		12.14	0.06	3.50	0.015	0.001	5.26	2.308	1.09	0.030	0.46	< 0.001	0.074	1.980
SW-20A 20 Dup			12.10	0.06	3.48	0.017	< 0.001	5.29	2.317	1.07	0.030	0.46	< 0.001	0.074	1.976
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.20	< 0.01	2.63	3.507	< 0.001	8.98	0.083	25.53	0.168	0.37	0.051	0.004	0.007
SW-22 03	Core		9.74	0.04	1.12	0.023	0.003	24.38	1.426	1.07	0.077	0.24	0.005	0.311	0.639
SW-22 03 Dup			9.76	0.04	1.12	0.024	0.004	24.37	1.430	1.09	0.076	0.25	0.005	0.310	0.645
TD-360-BCS No 381 expected			0.67		49.00	0.330				1.03					
STD-360-BCS No 381 result			0.70	< 0.01	49.18	0.305	0.006	13.36	0.054	0.99	2.450	0.28	< 0.001	6.673	0.181
SW-23 08	Core		7.71	0.05	2.61	0.027	0.004	29.29	1.009	1.24	0.098	0.13	0.008	0.562	0.073
SW-23 08 Dup			7.81	0.04	2.63	0.027	0.004	29.42	1.018	1.24	0.100	0.13	0.008	0.564	0.074
STD-JSS 852-2 expected			0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002
STD-JSS 852-2 result			0.40	< 0.01	0.13	0.019	0.016	66.86	< 0.001	1.14	0.076	0.02	0.046	0.011	0.002
QCV1206-02161-0019-BLK			< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	0.002	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.20	< 0.01	2.63	3.525	< 0.001	9.04	0.083	25.45	0.169	0.37	0.051	0.004	0.006
STD-LOI-472 expected		10.30													
STD-LOI-472 result		10.10													



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

Description Type	16.78 16.77 5.67 5.57 14.32 14.35 10.30 10.03		0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
STD-LOI-471 expected STD-LOI-471 result SW-15 12 Core SW-15 12 Dup STD-LOI-472 expected STD-LOI-472 result SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 expected STD-LOI-472 result	5.67 5.57 14.32 14.35 10.30 10.03 12.68 12.73 5.67													
STD-LOI-471 result	5.57 14.32 14.35 10.30 10.03 12.68 12.73 5.67													
SW-15 12 Core SW-15 12 Dup STD-LOI-472 expected STD-LOI-472 result SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	14.32 14.35 10.30 10.03 12.68 12.73 5.67													
SW-15 12 Dup STD-LOI-472 expected STD-LOI-472 result SW-16 07 Core SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 rosult SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	14.35 10.30 10.03 12.68 12.73 5.67													
STD-LOI-472 expected STD-LOI-472 result SW-16 07 Core SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	10.30 10.03 12.68 12.73 5.67													
STD-LOI-472 result SW-16 07 Core SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	10.03 12.68 12.73 5.67													
STD-LOI-472 result SW-16 07 Core SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	10.03 12.68 12.73 5.67	Traces												
SW-16 07 Core SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	12.68 12.73 5.67													
SW-16 07 Dup STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	12.73 5.67		S. S. STREET	No.			de motoriale			STATE OF THE STATE		LATER STATE		FALSE IN
STD-LOI-471 expected STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	5.67													
STD-LOI-471 result SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result										-	-			
SW-17 03 Core SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result														
SW-17 03 Dup STD-LOI-472 expected STD-LOI-472 result	CONTRACTOR SERVICE STATE OF THE PARTY OF THE		FILE SALES OF	N-00%-6										
STD-LOI-472 expected STD-LOI-472 result	18.66													
STD-LOI-472 result	10.30												of the second	
	10.30													
									east the same	Name and Address				
SW-17 20 Dup	9.31													
STD-LOI-470 expected	1.35													
STD-LOI-470 result	1.27		a la maria de la compansión de la compan	-					-	-				
SW-18 14 Core														
SW-18 14 Dup	12.89	4.25	La Vertica		STEEL LEVEL		190000000			Sales of Division	1000 1000		Carlo series	
STD-LOI-472 expected	10.30													
STD-LOI-472 result	10.10							-						
SW-19 09 Core														
SW-19 09 Dup	9.71													
STD-LOI-471 expected	5.67													
STD-LOI-471 result	5.61													
SW-20A 06 Core														
SW-20A 06 Dup	11.92													
STD-LOI-472 expected	10.30													
STD-LOI-472 result	10.12													
SW-21R 02 Core	10.43													
SW-21R 02 Dup	10.37													
STD-LOI-472 expected	10.30		-111											
STD-LOI-472 result	10.08													
SW-21R 18D Core	THE RESERVE OF THE PERSON NAMED IN	AND DESCRIPTION				100					1000			
SW-21R 18D Dup														
STD-LOI-471 expected	6.45		STATE OF THE PERSON NAMED IN		THE RESIDENCE									
STD-LOI-471 result	6.45 5.67													



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		LOI	A12O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100												
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-22 17	Core	12.85													
SW-22 17 Dup		12.79													
STD-LOI-472 expected		10.30													
STD-LOI-472 result		10.04													



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01	100.42		
QCV1206-02161-0001-BLK		>100	< 0.001	< 0.001	< 0.001	< 0.01	100.43		
STD-SARM 5 expected		51.10	0.200	0.048	0.012	-0.01	96.92		
STD-SARM 5 result		51.25	0.188	0.048	0.012	<0.01 <0.01	83.43	12.75	
SW-15 09 SW-15 09 Dup	Core	21.22 21.24	0.153	0.241	0.063	<0.01	83.58	12.75	
360-BCS No 381 expected		8.78	0.152	0.241	0.064	<0.01	83.38	12.75	And the second s
STD-360-BCS No 381 result		8.74	0.330	0.940	0.004	<0.01	84.16		
SW-16 11	Core	21.58	0.155	0.936	0.061	<0.01	82.56	12.84	
SW-16 11 Dup	Core	21.63	0.156	0.230	0.061	< 0.01	82.69	12.84	
STD-JSS 852-2 expected		1.70	0.130	0.230	0.001	~0.01	62.09	12.04	representation of the contract
STD-JSS 852-2 expected STD-JSS 852-2 result		1.70	0.502	0.820	0.005	< 0.01	71.48		
SW-17 14	Core	24.71	0.302	0.247	0.062	<0.01	83.57	12.04	
SW-17 14 Dup	Core	24.71	0.132	0.247	0.062	< 0.01	83.42	12.04	
STD-SARM 5 expected		51.10	0.200	0.048	0.002	-0.01	65.42	12.04	
STD-SARM 5 result		51.19	0.202	0.046	0.010	< 0.01	96.73		
SW-18 15	Core	24.87	0.140	0.205	0.050	< 0.01	84.05	13.32	
SW-18 15 Dup	Core	24.82	0.140	0.205	0.050	< 0.01	84.02	13.32	
D-360-BCS No 381 expected		8.78	0.350	0.940	0.050	4	01102	10.02	
STD-360-BCS No 381 result		8.76	0.331	0.901	0.001	< 0.01	84.10		
SW-19 21	Core	80.02	0.365	0.039	0.002	< 0.01	98.44	5.30	
SW-19 21 Dup		80.80	0.368	0.039	0.002	< 0.01	99.31	5.30	
STD-JSS 852-2 expected		1.70	0.480	0.820			ETERO DE VI		
STD-JSS 852-2 result		1.68	0.500	0.836	0.001	< 0.01	71.77		
SW-20A 20	Core	60.17	0.712	0.037	0.012	< 0.01	96.55	8.71	
SW-20A 20 Dup		60.50	0.723	0.038	0.012	0.02	88.19	8.71	
STD-SARM 5 expected		51.10	0.200	0.048					
STD-SARM 5 result		51.33	0.180	0.045	0.010	< 0.01	97.07		
SW-22 03	Core	38.72	0.418	0.138	0.041	< 0.01	88.26	9.88	
SW-22 03 Dup		38.98	0.420	0.138	0.041	< 0.01	88.57	9.88	
360-BCS No 381 expected		8.78	0.350	0.940					The state of the s
STD-360-BCS No 381 result		8.71	0.331	0.902	0.002	< 0.01	84.10		
SW-23 08	Core	32.53	0.317	0.193	0.048	< 0.01	86.09	10.19	
SW-23 08 Dup		32.77	0.313	0.197	0.049	< 0.01	86.58	10.19	
STD-JSS 852-2 expected		1.70	0.480	0.820					
STD-JSS 852-2 result		1.70	0.491	0.822	0.003	< 0.01	71.70		
QCV1206-02161-0019-BLK		99.72	< 0.001	< 0.001	< 0.001	< 0.01	99.69		
STD-SARM 5 expected		51.10	0.200	0.048					
STD-SARM 5 result		51.29	0.180	0.045	0.010	< 0.01	97.01		



Certificate of Analysis

Inspectorate Exploration & Mining Services Ltd. #200 - 11620 Horseshoe Way

Date Received: 06/28/2012

Date Completed: 07/06/2012

Invoice:

Richmond, BC V7A 4V5 Canada Phone: 604-272-7818

Distribution List

Attention: Andrew Reader

Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

Phone: 403-640-7977

EMail: andrew@ironstoneresources.com

Attention: Liam Murphy

EMail: liam@ironstoneresources.com

Submitted By: Ironstone Resources Ltd

Suite 200, 6125 11th SE

Calgary, Alberta T2H 2L6

Attention: Andrew Reader

Project: South Whitemud River 2012

Description:

LocationSamplesTypePreparation DescriptionVancouver, BC106CoreSP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg</td>Vancouver, BC9PulpSP-PU/Handling of submitted samples

Location	Quantity	Method	Description
Vancouver, BC	99	SP-LOI	LOI
Vancouver, BC	99	NA-XF100	XRF Iron Ore

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of Inspectorate Exploration and Mining Services Ltd

By

Spfia Devota - Operations Manager

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100	NA-XF100
Sample	Sample	%	0.01	%	%	%	%	%	%	%	%	%	%	0.001	0.001
Description SW-24 01	Type Core	0.01 NS	NS	0.01 NS	0.01 NS	0.001 NS	0.001 NS	0.01 NS	0.001 NS	0.01 NS	0.001 NS	0.01 NS	0.001 NS	0.001 NS	0.001 NS
SW-24 01	Core	7.21	10.47	0.08	4.27	0.032	0.003	3.57	2.000	1.76	0.038	0.72	0.003	0.083	0.496
SW-24 02	Core	10.21	6.53	0.04	4.76	0.032	0.003	27.64	0.835	1.16	0.069	0.72	0.010	0.504	1.915
SW-24 04	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 05	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 06	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 07	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 08	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 09	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 10	Core	10.66	6.38	0.05	3.45	0.029	0.007	31.47	0.798	1.44	0.128	0.16	0.010	1.069	0.113
SW-24 11	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 12	Core	10.77	6.20	0.07	2.41	0.034	0.008	30.42	0.752	1.66	0.112	0.14	0.013	0.560	0.374
SW-24 13	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 14	Core	10.78	5.44	0.09	3.26	0.028	0.008	32.24	0.576	1.35	0.119	0.13	0.011	0.832	0.509
SW-24 15	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-24 16	Core	9.08	5.63	0.04	1.78	0.030	0.006	25.51	0.944	1.28	0.135	0.18	0.007	0.632	0.140
SW-24 17	Core	5.53	7.02	0.06	1.02	0.046	0.004	9.91	1.392	0.96	0.041	0.26	0.004	0.299	0.206
SW-24 18	Core	5.41	6.76	0.06	0.88	0.050	0.003	9.70	1.396	0.97	0.040	0.26	0.004	0.262	0.196
SW-24 19	Core	5.42	14.16	0.08	0.27	0.025	0.003	4.98	2.684	1.33	0.019	0.45	0.002	0.085	0.172
SW-24 19D	Core	5.69	14.00	0.08	0.52	0.022	0.002	5.58	2.655	1.35	0.021	0.47	0.001	0.161	0.224
SW-24 20	Core	4.89	14.82	0.09	0.35	0.022	0.002	2.90	2.793	1.36	0.010	0.50	0.001	0.056	0.192
SW-24 21	Pulp	< 0.01	0.52	< 0.01	2.21	0.007	0.008	29.95	0.037	2.52	0.077	0.03	0.002	0.102	0.234
SW-25 01	Core	14.70	4.95	0.03	2.51	0.031	0.009	38.73	0.369	1.74	0.100	0.13	0.012	0.622	0.718
SW-25 01D	Core	15.32	4.76	0.04	2.98	0.030	0.008	38.58	0.357	1.72	0.109	0.14	0.009	0.756	0.068
SW-25 02	Core	15.44	4.66	0.05	3.43	0.027	0.007	27.61	0.552	2.15	0.080	0.13	0.009	0.516	0.504
SW-25 03	Core	19.91	3.97	0.03	4.58	0.019	0.005	23.95	0.629	2.52	0.093	0.11	0.004	0.224	0.460
SW-25 04	Core	13.30	4.11	0.05	7.65	0.031	0.008	30.55	0.402	1.41	0.108	0.22	0.008	2.031	0.360
SW-25 05	Pulp	< 0.01	0.52	< 0.01	2.21	0.005	0.007	30.00	0.036	2.50	0.077	0.03	0.002	0.106	0.236
SW-25 06	Core	5.93	7.38	0.06	1.68	0.044	0.004	5.31	1.432	0.84	0.028	0.26	0.003	0.237	1.643
SW-25 07	Core	6.42	8.96	0.07	0.47	0.049	0.003	4.85	1.780	0.83	0.010	0.29	0.002	0.088	2.214
SW-26 01	Core	6.23	15.53	0.15	0.38	0.023	0.004	4.61	2.952	1.61	0.012	0.46	0.004	0.052	0.955
SW-26 02	Core	11.95	11.31	0.07	1.25	0.022	0.004	13.56	2.043	2.13	0.047	0.35	0.004	0.111	0.957
SW-26 03	Core	16.27	8.34	0.06	2.17	0.027	0.005	21.73	1.306	1.98	0.087	0.22	0.005	0.222	0.447
SW-26 04	Core	18.43	7.13	0.05	5.48	0.021	0.005	25.13	1.105	2.42	0.095	0.14	0.006	0.454	0.323
SW-26 05	Core	16.98	7.05	0.05	4.76	0.021	0.006	29.35	1.003	2.21	0.090	0.16	0.006	0.795	0.079
SW-26 06	Core	14.46	5.99	0.03	2.59	0.030	0.008	36.01	0.606	1.77	0.085	0.14	0.010	0.618	0.073
SW-26 07	Core	14.25	5.29	0.03	2.04	0.031	0.009	40.26	0.414	1.51	0.088	0.11	0.011	0.594	0.075
SW-26 08	Core	13.83	4.77	0.03	1.89	0.031	0.009	40.99	0.328	1.48	0.090	0.11	0.012	0.596	0.043
SW-26 09	Core	13.96	4.55	0.04	2.72	0.029	0.007	31.51	0.487	1.80	0.111	0.13	0.011	0.573	0.207
SW-26 10	Core	13.00	4.44	0.04	2.95	0.027	0.006	26.26	0.545	1.73	0.089	0.14	0.009	0.559	1.008

Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI	Al2O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100												
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Туре	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
SW-26 11	Core	14.37	4.74	0.04	3.68	0.033	0.005	22.06	0.708	2.02	0.071	0.13	0.009	0.447	0.854
SW-26 12	Core	15.98	5.06	0.04	3.63	0.024	0.004	21.46	0.810	2.36	0.076	0.14	0.006	0.386	1.115
SW-26 13	Core	6.56	11.23	0.07	1.67	0.033	0.003	6.21	2.136	1.26	0.022	0.34	0.003	0.106	1.813
SW-26 14	Core	5.25	10.71	0.08	1.34	0.033	0.003	3.42	2.136	1.00	0.012	0.36	0.002	0.060	1.385
SW-26 14D	Core	5.17	11.11	0.08	0.63	0.037	0.003	3.51	2.202	1.02	0.012	0.36	0.002	0.059	1.376
SW-26 15	Core	9.35	8.83	0.06	8.92	0.033	0.002	2.75	1.777	1.08	0.022	0.32	0.001	0.054	1.117
SW-26 16	Pulp	< 0.01	0.54	< 0.01	2.21	0.005	0.007	29.90	0.035	2.51	0.077	0.03	0.002	0.104	0.264
SW-27 01	Pulp	< 0.01	0.54	< 0.01	2.20	0.005	0.008	30.03	0.035	2.51	0.078	0.03	0.002	0.104	0.247
SW-27 02	Core	15.53	8.15	0.06	4.41	0.024	0.005	22.22	1.355	2.03	0.082	0.22	0.005	0.806	0.403
SW-27 03	Core	17.89	7.30	0.05	5.54	0.022	0.006	27.26	1.064	2.25	0.091	0.16	0.008	0.637	0.132
SW-27 04	Core	15.66	6.67	0.04	2.65	0.024	0.008	32.07	0.859	2.00	0.090	0.16	0.008	0.539	0.025
SW-27 05	Core	14.74	5.90	0.04	3.04	0.028	0.007	36.43	0.583	1.79	0.079	0.17	0.009	0.773	0.035
SW-27 06	Core	13.91	4.94	0.03	2.30	0.032	0.008	40.50	0.339	1.49	0.082	0.14	0.019	0.707	0.102
SW-27 07	Core	14.71	4.85	0.04	2.86	0.027	0.008	38.35	0.336	1.67	0.093	0.15	0.012	0.732	0.782
SW-27 07D	Core	14.40	4.86	0.03	2.76	0.027	0.007	38.06	0.339	1.70	0.089	0.15	0.014	0.698	0.929
SW-27 08	Core	14.41	4.91	0.05	3.52	0.026	0.006	27.92	0.535	1.90	0.094	0.17	0.011	0.620	0.927
SW-27 09	Core	16.33	4.40	0.03	7.21	0.020	0.004	21.58	0.652	1.97	0.118	0.17	0.008	0.634	0.262
SW-27 10	Core	17.45	4.39	0.05	8.05	0.023	0.004	19.18	0.726	2.07	0.138	0.13	0.005	0.233	0.834
SW-27 11	Core	17.04	4.72	0.04	3.74	0.019	0.005	26.61	0.616	2.28	0.078	0.15	0.006	0.467	0.731
SW-27 12	Core	6.64	10.01	0.07	3.62	0.023	0.003	5.53	2.012	1.13	0.028	0.41	0.002	0.867	1.933
SW-27 13	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-27 14	Core	9.38	10.28	0.07	2.37	0.017	0.003	9.99	1.992	1.60	0.052	0.37	0.003	0.257	1.044
SW-27 15	Pulp	< 0.01	0.55	< 0.01	2.18	0.004	0.008	29.92	0.037	2.52	0.076	0.03	0.002	0.107	0.230
SW-28 01	Core	13.14	7.07	0.05	5.52	0.020	0.007	27.71	1.079	0.83	0.059	0.12	0.007	0.471	2.574
SW-28 02	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-28 03	Core	11.65	5.74	0.04	2.44	0.025	0.008	36.96	0.608	1.11	0.110	0.12	0.014	0.735	0.106
SW-28 04	Core	10.07	5.49	0.05	2.89	0.032	0.005	23.45	0.737	0.94	0.073	0.15	0.014	0.561	0.444
SW-28 05	Core	13.07	8.45	0.06	6.21	0.020	0.007	27.84	1.128	0.97	0.101	0.14	0.010	0.810	2.143
SW-28 05D	Core	13.38	8.52	0.05	7.00	0.020	0.006	26.50	1.068	0.94	0.093	0.14	0.010	0.898	2.477
SW-28 06	Core	11.47	7.22	0.05	3.35	0.023	0.008	34.28	0.947	1.02	0.130	0.12	0.009	0.473	0.744
SW-28 07	Core	11.59	6.68	0.04	3.02	0.032	0.008	36.98	0.695	1.03	0.115	0.12	0.016	0.707	0.732
SW-28 08	Pulp	< 0.01	0.52	< 0.01	2.20	0.004	0.008	30.04	0.034	2.50	0.075	0.03	0.002	0.105	0.224
SW-28 09	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-28 10	Core	9.46	3.21	0.07	22.98	0.011	0.004	8.16	0.668	0.71	0.097	0.51	0.011	6.164	0.433
SW-28 11	Core	5.84	6.67	0.07	1.38	0.033	0.002	5.60	1.304	0.80	0.021	0.24	0.002	0.298	1.695
SW-28 12	Core	5.04	8.13	0.07	0.96	0.051	0.004	3.68	1.601	0.79	0.009	0.27	0.002	0.177	1.119
SW-28 13	Core	13.41	9.24	0.05	14.80	0.026	0.002	3.26	1.790	1.31	0.036	0.28	0.003	0.229	1.416
SW-28 14	Core	5.71	12.63	0.08	0.39	0.039	0.002	3.47	2.461	1.14	0.011	0.37	0.002	0.063	1.221
SW-28 15	Core	5.78	10.12	0.06	4.23	0.031	0.003	4.16	2.025	1.05	0.021	0.34	0.002	0.054	1.838
SW-29 01	Core	6.31	15.39	0.13	1.09	0.018	0.004	4.45	2.957	1.24	0.005	0.43	0.003	0.052	0.574



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		LOI SP-LOI	Al2O3 NA-XF100	BaO NA-XF100	CaO NA-XF100	Cr2O3	Cu NA-XF100	Fe NA-XF100	K2O NA-XF100	MgO NA-XF100	Mn NA VELOO	Na2O NA-XF100	Ni NA-XF100	P NA VELOO	NA VEIO
Count	C1-					NA-XF100					NA-XF100			NA-XF100	NA-XF100
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description SW-29 02	Type Core	6.16	15.58	0.01	0.01	0.001	0.001	0.01 5.62	3.048	1.29	0.001	0.01	0.001	0.001	0.001
SW-29 02 SW-29 03	Core	11.36	7.79	0.09	2.00	0.015	0.003	29.54	1.225	1.29	0.006	0.41	0.001	0.066	0.294
SW-29 03D		11.19	7.79	0.07	0.97	0.019				1.10	0.134				0.071
SW-29 04	Core	10.49	8.64	0.07	2.53	0.023	0.007	29.44	1.243	1.10	0.122	0.15 0.15	0.011	0.386	0.069
SW-29 05	Core	13.08	8.47	0.07	9.27	0.021	0.006	27.17	1.361	1.25	0.070	0.13	0.004	1.134	0.067
SW-29 06	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.033 NS	NS	NS	NS NS	0.060 NS
SW-29 07	Core	11.78	7.18	0.04	4.82	0.019	0.007	31.56	1.022	1.28	0.096	0.13	0.008	0.696	0.083
SW-29 07 SW-29 08	Core	10.55	5.90	0.04	3.90	0.019	0.007	32.51	0.768	1.17	0.090	0.15	0.008	1.179	0.083
SW-29 09	Core	10.33	4.18	0.03	6.69	0.023	0.007	19.72	0.761	0.85	0.173	0.15	0.010	0.418	0.607
SW-29 10	Core	10.73	5.57	0.04	10.39	0.023	0.004	17.12	0.701	0.74	0.173	0.13	0.009	0.418	4.630
SW-29 11	Core	NS	NS	NS	NS	NS	NS	NS NS	NS	NS	NS	NS NS	NS NS	0.463 NS	4.030 NS
SW-29 12	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-29 12 SW-29 13	Pulp	< 0.01	0.54	<0.01	2.21	0.004	0.008	29.97	0.036	2.52	0.076	0.03	0.001	0.103	0.243
SW-29 14	Core	7.52	7.83	0.06	1.97	0.045	0.008	7.44	1.435	0.62	0.076	0.03	0.001	0.103	1.310
SW-29 14	Core	7.62	12.85	0.08	0.91	0.043	0.003	3.75	2.512	0.02	0.010	0.27	< 0.002	0.238	1.119
SW-29 16	Core	6.56	12.70	0.08	0.44	0.031	0.003	3.33	2.525	0.96	0.003	0.39	< 0.001	0.147	0.773
SW-29 17	Core	6.12	11.13	0.08	0.30	0.031	0.002	3.28	2.323	0.90	0.004	0.36	< 0.001	0.060	0.773
SW-29 17 SW-30 01	Core	6.00	15.36	0.08	0.30	0.032	0.002	4.17	2.918	1.55	0.004	0.36	0.001	0.050	0.782
SW-30 01	Core	6.38	15.76	0.09	0.48	0.018	0.003	4.17	3.006	1.61	0.011	0.45	0.003	0.030	1.130
SW-30 02	Core	8.38	10.21	0.09	1.74	0.018	0.003	18.30	1.708	1.18	0.011	0.43	0.004	0.437	0.067
SW-30 04	Core	9.90	9.31	0.07	2.52	0.024	0.004	24.69	1.537	1.10	0.032	0.20	0.004	0.505	0.007
SW-30 05	Core	11.67	7.68	0.07	5.02	0.022	0.007	27.86	1.231	1.18	0.087	0.20	0.005	0.859	0.293
SW-30 06	Core	13.87	7.08	0.04	7.48	0.017	0.007	27.60	1.015	1.32	0.094	0.10	0.005	0.403	0.051
SW-30 07	Core	10.81	7.61	0.04	5.09	0.021	0.007	29.70	1.013	1.32	0.091	0.12	0.007	1.079	0.065
SW-30 07	Core	11.34	6.36	0.03	2.94	0.024	0.007	36.73	0.657	1.28	0.084	0.13	0.007	0.645	0.045
SW-30 09	Core	14.37	5.20	0.04	2.75	0.028	0.007	39.21	0.430	1.46	0.116	0.12	0.009	0.797	0.054
SW-30 10	Core	11.91	5.18	0.04	2.41	0.028	0.008	34.93	0.503	1.35	0.110	0.11	0.011	0.753	0.034
SW-30 10	Core	9.19	5.43	0.04	2.23	0.028	0.007	24.05	0.769	1.16	0.079	0.11	0.010	0.733	0.078
SW-30 12	Core	16.46	5.06	0.04	4.95	0.031	0.004	19.88	0.799	1.82	0.100	0.12	0.006	0.393	0.169
SW-30 12	Core	19.68	3.80	0.03	3.59	0.029	0.004	25.24	0.799	2.64	0.100	0.13	0.004	0.393	1.336
SW-30 13		-	0.55	< 0.04	2.18	0.020	0.003		0.036	2.53	0.143	0.14	0.004	0.105	0.251
SW-30 14 SW-30 15	Pulp Core	<0.01 7.80	9.11	0.06	6.11	0.003	0.007	29.86	1.751	1.23	0.077	0.03	0.001	0.103	2.350
SW-30 15 SW-30 15D	Core	9.22	9.11	0.06	1.92	0.027	0.003	8.08	1.751	1.23	0.053	0.31	0.003	0.537	1.904
SW-30 15D SW-30 16		5.34		0.07	0.41	0.033	0.003	3.64	2.342	1.21	0.027	0.32	0.003	0.248	1.596
CONTRACTOR OF THE PARTY OF THE	Core	Committee of the Commit	11.89 0.54	<0.07	2.17	0.033	0.002	29.87	0.037	2.48	0.010	0.36	0.001	0.068	0.224
SW-30 17	Pulp	< 0.01	0.54	<0.01	2.17	0.004	0.008	29.87	0.037	2.48	0.077	0.03	0.002	0.101	0.224



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Type	0.01	0.001	0.001	0.001	0.01		La company	
SW-24 01	Core	NS							
SW-24 02	Core	65.78	0.533	0.027	0.011	< 0.01	97.07	7.21	
SW-24 03	Core	31.59	0.252	0.171	0.048	< 0.01	85.95	10.21	
SW-24 04	Core	NS							
SW-24 05	Core	NS							
SW-24 06	Core	NS							
SW-24 07	Core	NS							
SW-24 08	Core	NS							
SW-24 09	Core	NS							
SW-24 10	Core	28.54	0.230	0.186	0.052	< 0.01	84.75	10.66	
SW-24 11	Core	NS							
SW-24 12	Core	32.18	0.195	0.222	0.061	< 0.01	86.16	10.77	
SW-24 13	Core	NS							
SW-24 14	Core	29.52	0.163	0.199	0.059	< 0.01	85.30	10.78	
SW-24 15	Core	NS							
SW-24 16	Core	42.36	0.224	0.134	0.036	< 0.01	88.12	9.08	
SW-24 17	Core	67.61	0.325	0.070	0.024	< 0.01	94.77	5.53	
SW-24 18	Core	69.04	0.315	0.071	0.023	< 0.01	95.44	5.41	
SW-24 19	Core	66.81	0.782	0.046	0.011	< 0.01	97.31	5.42	
SW-24 19D	Core	65.32	0.767	0.048	0.011	< 0.01	96.91	5.69	
SW-24 20	Core	69.48	0.821	0.043	0.011	< 0.01	98.32	4.89	
SW-24 21	Pulp	53.31	0.006	< 0.001	0.006	< 0.01	88.29	0.00	
SW-25 01	Core	17.83	0.117	0.250	0.063	< 0.01	82.90	14.70	
SW-25 01D	Core	17.45	0.110	0.242	0.062	< 0.01	82.73	15.32	
SW-25 02	Core	31.34	0.146	0.175	0.050	< 0.01	86.87	15.44	
SW-25 03	Core	31.27	0.151	0.101	0.027	< 0.01	88.04	19.91	
SW-25 04	Core	22.50	0.116	0.182	0.051	< 0.01	83.07	13.30	
SW-25 05	Pulp	53.09	0.008	< 0.001	0.005	< 0.01	88.17	0.00	
SW-25 06	Core	71.81	0.378	0.048	0.014	< 0.01	97.10	5.93	
SW-25 07	Core	71.76	0.472	0.039	0.011	<0.01	98.32	6.42	
SW-26 01	Core	63.23	0.824	0.054	0.015	< 0.01	97.09	6.23	
SW-26 02	Core	48.48	0.568	0.103	0.025	< 0.01	92.97	11.95	
SW-26 03	Core	36.46	0.378	0.161	0.037	< 0.01	89.90	16.27	
SW-26 04	Core	26.47	0.308	0.165	0.035	< 0.01	88.09	18.43	
SW-26 05	Core	23.16	0.293	0.171	0.044	< 0.01	86.58	16.98	
SW-26 06	Core	20.64	0.194	0.235	0.059	< 0.01	83.53	14.46	
SW-26 07	Core	16.83	0.139	0.243	0.065	< 0.01	81.96	14.25	
SW-26 08	Core	17.27	0.109	0.257	0.065	< 0.01	81.89	13.83	
SW-26 09	Core	29.13	0.131	0.192	0.052	< 0.01	85.62	13.96	
SW-26 10	Core	37.01	0.134	0.176	0.052	< 0.01	88.15	13.00	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V205	Zn	Zr	Total	LOI	
		NA-XF100							
Sample	Sample	%	%	%	%	%	%	%	
Description	Туре	0.01	0.001	0.001	0.001	0.01			
SW-26 11	Core	39.32	0.167	0.142	0.047	< 0.01	88.84	14.37	
SW-26 12	Core	38.05	0.192	0.114	0.031	< 0.01	89.47	15.98	
SW-26 13	Core	64.49	0.597	0.060	0.018	< 0.01	96.61	6.56	
SW-26 14	Core	71.82	0.593	0.040	0.011	< 0.01	98.26	5.25	
SW-26 14D	Core	72.98	0.615	0.042	0.011	< 0.01	99.21	5.17	
SW-26 15	Core	62.18	0.491	0.030	0.009	< 0.01	97.03	9.35	
SW-26 16	Pulp	53.29	0.005	< 0.001	0.005	< 0.01	88.05	0.00	
SW-27 01	Pulp	53.33	0.004	< 0.001	0.005	< 0.01	88.08	0.00	
SW-27 02	Core	33.36	0.380	0.141	0.036	< 0.01	89.20	15.53	
SW-27 03	Core	24.66	0.304	0.172	0.043	< 0.01	87.57	17.89	
SW-27 04	Core	24.21	0.258	0.189	0.051	< 0.01	85.50	15.66	
SW-27 05	Core	18.92	0.185	0.216	0.056	< 0.01	82.99	14.74	
SW-27 06	Core	16.15	0.112	0.245	0.064	< 0.01	81.14	13.91	
SW-27 07	Core	17.81	0.111	0.246	0.063	< 0.01	82.82	14.71	
SW-27 07D	Core	18.44	0.108	0.250	0.065	< 0.01	82.92	14.40	
SW-27 08	Core	31.84	0.143	0.203	0.061	< 0.01	87.33	14.41	
SW-27 09	Core	35.80	0.150	0.135	0.038	< 0.01	89.51	16.33	
SW-27 10	Core	36.76	0.162	0.096	0.027	< 0.01	90.31	17.45	
SW-27 11	Core	30.77	0.156	0.156	0.044	< 0.01	87.61	17.04	
SW-27 12	Core	64.48	0.554	0.044	0.011	< 0.01	97.36	6.64	
SW-27 13	Core	NS							
SW-27 14	Core	56.88	0.575	0.057	0.015	< 0.01	94.95	9.38	
SW-27 15	Pulp	53.11	0.007	< 0.001	0.005	< 0.01	87.80	0.00	
SW-28 01	Core	26.44	0.305	0.150	0.046	< 0.01	85.60	13.14	
SW-28 02	Core	NS							
SW-28 03	Core	23.46	0.186	0.221	0.062	< 0.01	83.59	11.65	
SW-28 04	Core	43.87	0.178	0.202	0.058	< 0.01	89.20	10.07	
SW-28 05	Core	24.43	0.320	0.185	0.056	< 0.01	85.95	13.07	
SW-28 05D	Core	24.64	0.305	0.178	0.055	< 0.01	86.27	13.38	
SW-28 06	Core	23.95	0.281	0.209	0.055	< 0.01	84.32	11.47	
SW-28 07	Core	20.99	0.220	0.268	0.069	< 0.01	83.30	11.59	
SW-28 08	Pulp	53.25	0.007	0.002	0.005	< 0.01	88.12	0.00	
SW-28 09	Core	NS							
SW-28 10	Core	35.00	0.162	0.042	0.019	< 0.01	87.71	9.46	
SW-28 11	Core	74.29	0.347	0.051	0.014	< 0.01	98.65	5.84	THE RESIDENCE OF THE PARTY OF T
SW-28 12	Core	76.83	0.423	0.043	0.013	< 0.01	99.21	5.04	
SW-28 13	Core	49.89	0.489	0.032	0.009	< 0.01	96.26	13.41	
SW-28 14	Core	70.83	0.681	0.045	0.012	< 0.01	99.15	5.71	
SW-28 15	Core	66.56	0.567	0.037	0.011	< 0.01	96.89	5.78	
SW-29 01	Core	63.82	0.847	0.055	0.010	< 0.01	97.38	6.31	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

#200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

Sample	Sample	SiO2 NA-XF100 %	TiO2 NA-XF100	V2O5 NA-XF100 %	Zn NA-XF100 %	Zr NA-XF100 %	Total NA-XF100 %	LOI NA-XF100 %	
Description	Type	0.01	0.001	0.001	0.001	0.01			
SW-29 02	Core	62.59	0.831	0.059	0.011	< 0.01	96.86	6.16	
SW-29 03	Core	31.61	0.343	0.155	0.046	< 0.01	86.34	11.36	
SW-29 03D	Core	33.70	0.347	0.173	0.050	< 0.01	86.96	11.19	
SW-29 04	Core	34.01	0.386	0.174	0.043	< 0.01	87.07	10.49	
SW-29 05	Core	30.96	0.363	0.200	0.039	< 0.01	88.97	13.08	
SW-29 06	Core	NS	NS	NS	NS	NS	NS	NS	
SW-29 07	Core	26.02	0.296	0.180	0.047	< 0.01	85.26	11.78	
SW-29 08	Core	27.59	0.212	0.187	0.058	< 0.01	84.44	10.55	
SW-29 09	Core	45.03	0.166	0.084	0.033	< 0.01	89.68	10.75	
SW-29 10	Core	35.47	0.172	0.093	0.060	< 0.01	86.77	10.98	
SW-29 11	Core	NS	NS	NS	NS	NS	NS	NS	
SW-29 12	Core	NS	NS	NS	NS	NS	NS	NS	
SW-29 13	Pulp	53.06	0.008	< 0.001	0.005	< 0.01	87.73	0.00	
SW-29 14	Core	66.86	0.378	0.066	0.019	< 0.01	96.06	7.52	
SW-29 15	Core	66.85	0.692	0.045	0.006	< 0.01	97.96	7.62	
SW-29 16	Core	69.32	0.712	0.045	0.006	< 0.01	97.96	6.56	
SW-29 17	Core	72.52	0.644	0.044	0.004	< 0.01	98.51	6.12	
SW-30 01	Core	65.31	0.841	0.053	0.016	< 0.01	98.19	6.00	
SW-30 02	Core	63.16	0.836	0.056	0.015	< 0.01	97.82	6.38	
SW-30 03	Core	47.82	0.482	0.160	0.038	< 0.01	90.94	8.38	
SW-30 04	Core	37.13	0.432	0.167	0.038	< 0.01	88.19	9.90	
SW-30 05	Core	30.18	0.345	0.153	0.037	< 0.01	86.62	11.67	
SW-30 06	Core	27.60	0.288	0.211	0.045	< 0.01	87.43	13.87	
SW-30 07	Core	27.76	0.312	0.215	0.046	< 0.01	85.33	10.81	
SW-30 08	Core	22.77	0.208	0.254	0.065	< 0.01	83.56	11.34	
SW-30 09	Core	17.00	0.138	0.246	0.067	< 0.01	82.03	14.37	
SW-30 10	Core	26.30	0.139	0.237	0.061	< 0.01	84.11	11.91	
SW-30 11	Core	45.19	0.183	0.176	0.048	< 0.01	89.03	9.19	
SW-30 12	Core	40.02	0.180	0.131	0.037	< 0.01	90.20	16.46	
SW-30 13	Core	29.57	0.159	0.074	0.020	< 0.01	87.49	19.68	
SW-30 14	Pulp	53.11	0.005	< 0.001	0.005	< 0.01	87.69	0.00	
SW-30 15	Core	58.22	0.477	0.057	0.015	< 0.01	94.60	7.80	
SW-30 15D	Core	61.33	0.528	0.058	0.015	< 0.01	96.84	9.22	
SW-30 16	Core	70.80	0.652	0.044	0.011	< 0.01	98.41	5.34	
SW-30 17	Pulp	52.81	0.004	< 0.001	0.005	< 0.01	87.26	0.00	



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

		LOI	Al203	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni NA WELOO	P P	S
Sample	Camula	SP-LOI	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100 %	NA-XF100
Description	Sample Type	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
STD-JSS 852-2 expected	7,1		0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002
STD-JSS 852-2 result			0.37	< 0.01	0.13	0.016	0.020	66.90	< 0.001	1.12	0.077	0.02	0.044	0.009	< 0.001
QCV1206-01988-0002-BLK			< 0.01	< 0.01	< 0.01	0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001
D-360-BCS No 381 expected			0.67		49.00	0.330				1.03					
STD-360-BCS No 381 result			0.68	< 0.01	48.81	0.314	0.008	13.30	0.055	0.96	2.458	0.28	0.003	6.861	0.182
SW-26 04	Core		7.13	0.05	5.48	0.021	0.005	25.13	1.105	2.42	0.095	0.14	0.006	0.454	0.323
SW-26 04 Dup			7.16	0.04	5.46	0.023	0.006	25.22	1.093	2.43	0.095	0.14	0.006	0.454	0.313
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.17	< 0.01	2.66	3.506	0.002	8.88	0.088	25.32	0.172	0.37	0.054	0.003	< 0.001
SW-27 10	Core		4.39	0.05	8.05	0.023	0.004	19.18	0.726	2.07	0.138	0.13	0.005	0.233	0.834
SW-27 10 Dup			4.35	0.04	8.03	0.023	0.005	19.14	0.721	2.06	0.138	0.13	0.005	0.231	0.802
STD-JSS 852-2 expected			0.38		0.13	0.004			0.007	1.15	0.077	0.03	0.045	0.014	0.002
STD-JSS 852-2 result			0.36	< 0.01	0.13	0.012	0.019	66.88	< 0.001	1.13	0.076	0.02	0.044	0.010	< 0.001
SW-29 05	Core		8.47	0.06	9.27	0.023	0.006	22.52	1.300	1.25	0.055	0.18	0.004	1.134	0.060
SW-29 05 Dup			8.41	0.06	9.18	0.024	0.006	22.43	1.279	1.23	0.054	0.18	0.004	1.124	0.059
D-360-BCS No 381 expected			0.67		49.00	0.330				1.03					
STD-360-BCS No 381 result			0.68	< 0.01	49.29	0.305	0.008	13.31	0.058	0.98	2.456	0.29	0.003	6.894	0.252
SW-30 15	Core		9.11	0.06	6.11	0.027	0.003	6.49	1.751	1.23	0.053	0.31	0.003	0.537	2.350
SW-30 15 Dup			9.12	0.06	6.13	0.025	0.002	6.49	1.759	1.22	0.053	0.31	0.002	0.545	1.803
QCV1206-01988-0011-BLK			0.09	< 0.01	< 0.01	0.001	< 0.001	< 0.01	< 0.001	< 0.01	0.002	< 0.01	< 0.001	< 0.001	< 0.001
STD-SARM 5 expected			4.18		2.66	3.500	0.002		0.090	25.33		0.37	0.056		
STD-SARM 5 result			4.17	< 0.01	2.66	3,506	0.002	8.88	0.088	25.32	0.172	0.37	0.054	0.003	< 0.001
STD-LOI-472 expected		10.30	T. William								DESCRIPTION OF THE PARTY OF THE				
STD-LOI-472 result		10.13													
STD-LOI-472 expected		10.30													
STD-LOI-472 result		10.12													
SW-26 07	Core	14.25											I DESCRIPTION		
SW-26 07 Dup		14.32													
STD-LOI-471 expected		5.67													
STD-LOI-471 result		5.61													
SW-27 07	Core	14.71													- 10.8
SW-27 07 Dup		14.62													
STD-LOI-471 expected		5.67													
STD-LOI-471 result		5.67													
SW-28 10	Core	9.46			0.50				1			200			
SW-28 10 Dup	1500	9.50													
STD-LOI-472 expected		10.30													
STD-LOI-472 result		10.09													
SW-29 14	Core	7.52							100000						15170000
SW-29 14 Dup	-	7.53													



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

	to the visit of	LOI	A12O3	BaO	CaO	Cr2O3	Cu	Fe	K20	MgO	Mn	Na2O	Ni	P	S
		SP-LOI	NA-XF100	NA-XF100	NA-XF100	NA-XF100									
Sample	Sample	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Description	Type	0.01	0.01	0.01	0.01	0.001	0.001	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001
STD-LOI-472 expected		10.30													
STD-LOI-472 result		10.12													
SW-30 14	Pulp	< 0.01													
SW-30 14 Dup		< 0.01													
STD-LOI-472 expected		10.30													
STD-LOI-472 result	ALC: NO	10.07								4 4 76		Street Francisco			



Ironstone Resources Ltd Suite 200, 6125 11th SE Calgary, Alberta T2H 2L6

A Bureau Veritas Group Company #200 - 11620 Horseshoe Way Richmond, BC V7A 4V5 Canada

		SiO2	TiO2	V2O5	Zn	Zr	Total	LOI
		NA-XF100						
Sample	Sample	%	%	%	%	%	%	%
Description	Туре	0.01	0.001	0.001	0.001	0.01		
STD-JSS 852-2 expected		1.70	0.480	0.820			31 000	
STD-JSS 852-2 result		1.66	0.482	0.823	0.005	< 0.01	71.64	
QCV1206-01988-0002-BLK		>100	< 0.001	< 0.001	< 0.001	< 0.01	100.03	
STD-360-BCS No 381 expected		8.78	0.350	0.940				
STD-360-BCS No 381 result		8.72	0.329	0.905	0.004	< 0.01	83.84	
SW-26 04	Core	26.47	0.308	0.165	0.035	< 0.01	88.09	18.43
SW-26 04 Dup		26.37	0.310	0.163	0.036	< 0.01	87.75	18.43
STD-SARM 5 expected		51.10	0.200	0.048				
STD-SARM 5 result		51.08	0.182	0.047	0.012	< 0.01	97.13	
SW-27 10	Core	36.76	0.162	0.096	0.027	< 0.01	90.31	17.45
SW-27 10 Dup		36.73	0.166	0.096	0.027	< 0.01	90.14	17.45
STD-JSS 852-2 expected		1.70	0.480	0.820		1		
STD-JSS 852-2 result		1.67	0.486	0.831	0.004	< 0.01	71.64	
SW-29 05	Core	30.96	0.363	0.200	0.039	< 0.01	88.97	13.08
SW-29 05 Dup		30.70	0.368	0.199	0.039	< 0.01	88.42	13.08
STD-360-BCS No 381 expected		8.78	0.350	0.940				
STD-360-BCS No 381 result		8.73	0.325	0.914	0.004	< 0.01	84.48	
SW-30 15	Core	58.22	0.477	0.057	0.015	< 0.01	94.60	7.80
SW-30 15 Dup		58.70	0.484	0.055	0.016	< 0.01	94.57	7.80
QCV1206-01988-0011-BLK		>100	0.002	< 0.001	< 0.001	< 0.01	100.30	
STD-SARM 5 expected		51.10	0.200	0.048				
STD-SARM 5 result		51.08	0.182	0.047	0.012	< 0.01	96.53	



APPARENT SPECIFIC GRAVITY DETERMINATION

Client: Ironstone Resources Date: 16-Jul-12
Sample: As per id Project: 1204206

Objective: Measure rock samples apparent specific gravity by wax immersion method Test description:

- Samples air dried over night

- Weighed single piece of rock, coated with molten wax, recorded total weight
- Waxed sample placed into a graduated cylinder with water, removed bubbles
- Volume change was recorded. Wax specific gravity from literature.

Count	Sample	Apparent Specifc Gravity
- 75	ID ID	g/cm ³
1	BR-01, 09B	2.073
2	BR-05A, 13B	2.786
3	BR-08A, 16B	2.460
4	BR-08A, 17B	2.867
5	BR-08A, 18B	2.164
6	BR-11A, 26B	2.356
7	BR-11A, 50B	2.675
8	SW-02A, 01B	2.339
9	SW-10, 17B	2.139
10	SW-16, 09B	2.027
11	SW-16, 14B	2.156
12	SW-18, 04B	2.269
13	SW-18, 10B	2.168
14	SW-21R, 10B	2.382
15	SW-21R, 14B	2.181
16	SW-30, 05B	2.471
17	SW-01A, 09B	2.005
18	SW-01A, 13B	2.110
19	SW-02A, 15B	2.435
20	SW-06, 08B	2.263
21	SW-09, 05B	2.148
22	SW-18, 16B	2.027
23	SW-19, 12B	2.044
24	SW-22, 11B	2.398
25	SW-30, 10B	2.038
26	SW-11, 13B	2.145
27	SW-11, 18B	2.134
28	SW-15, 04B	2.542
29	SW-15, 09B	2.195
30	SW-17, 04B	1.769
31	SW-20A, 08B	1.770
32	SW-25, 01B	1.885
33	SW-25,03B	2.671
34	SW-26, 07B	2.318
35	SW-06, 13B	1.940
36	SW-11, 07B	2.145
37	SW-17, 11B	2.115
38	SW-17, 17B	2.158
39	SW-19, 15B	2.042
	SW-22, 16B	
40	SW-27, 06B	1.928 1.873



SPECIFIC GRAVITY DETERMINATION

Client: Ironstone Resources
Test: SG by Pycnometric method

Sample: As per id

Date: 16-Jul-12 Project: 1204206

Objective: Measure specific gravity by pycnometric method on samples received as <1/4"

Test description:

- Samples air dried over night

- Weight recorded and placed into the appropriate size volumetric flask
- Added deionized water and heated to remove air bubbles without boiling
- Content in the flask bulked up to the mark and weight recorded

Count	Sample	Solids Specific Gravity, g/cm ³
	BR- 01, 19B	
1		2.63
2	BR-05A, 10B	2.88
3	BR-11A, 39B	2.98
4	SW-02A, 07B	2.87
5	SW-03A, 03B	2.89
6	SW-03A, 09B	3.08
7	SW-03A, 14B	2.97
8	SW-10, 07B	3.40
9	SW-12, 05B	3.12
10	SW-13, 04B	2.96
11	SW-16, 04B	2.97
12	SW-20A, 15B	2.61
13	SW-27, 2B	2.77
14	SW-30, 07B	2.96
15	SW-09, 13B	2.92
16	SW-10, 25B	2.76
17	SW-12, 10B	2.65
18	SW-12, 15B	2.78
19	SW-13, 10B	2.81
20	SW-20A, 03B	3.13
	SW-24, 17B	3.01
21	SW-27, 11B	3.04
22	SW-28, 04B	
23	SW-29, 09B	2.61
24	SW-29, 14B	2.91
25	SW-01A, 05B	2.59
26	SW-07, 05B	2.76
27	SW-15, 14B	2.98
28	SW-21R, 06B	2.71
29	SW-23, 06B	3.12
30	SW-23, 13B	3.11
31	SW-26, 03B	2.93
32	SW-26,11B	3.01
33	SW-28, 01B	2.83
34	SW-28,07B	2.83
35	SW-29, 04B	2.79
36		2.62
37	SW-05, 07B	3.00
38	SW-05, 13B	2.90
39	SW-05, 24B	2.69
40	SW-06, 03B	2.83
41	SW-07, 07B	3.02
42	SW-07, 09B	2.97
43	SW-07, 16B	2.99
44	SW-09, 21B	2.66
45	SW-22, 19B	2.93
46	SW-23, 11B	2.74