MAR 20080013: NORTH HEART RIVER

Received date: May 20, 2008

Public release date: Apr 30, 2009

North Heart River Area
Peace River Diamond Play

For:
United Uranium Corp. / Star Uranium Corp.

Metallic & Industrial Minerals Permit #

9304030972
9304030976
9304091033
9306061070
9306061071
9306061072
9306061073
9306061074
9306061075
9306061076
9306061077
9306061078
9306061079
9306061080
9306061081
9306070833
9306070834
9306070835

Centered on 56° 20' N 116° 35'W
Located in N.T.S. Map Sheets
84C / 1, 2, 3, 6, 7, and 8

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Hawkins Report # 08-090-01

March 12, 2008.

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Executive Summary

The Peace River Diamond Play is located 350 km north of the City of Edmonton, Alberta. UUC / SUV JV lands are located 70 km SW of the Diamondex / Shore Gold JV holdings which hosts the K252 kimberlite pipe and an additional 37 pipes of which 25 are diamondiferous. The UUC / SUV exploration program has consisted principally up until now of the collection of heavy mineral sampling for kimberlitic and diamond indicators supplemented by analysis of airborne geophysics. One additional stream sediment and twelve till samples were collected for this report. Three overburden drill holes were also completed, which confirmed overburden thickness on the property was in the range of 30 to 60 m in thickness. This report defines seven areas of interest with anomalous concentrations of G-9 garnets and kimberlitic olivine indicator mineral grains. The indicator mineral suite found to date is similar in composition to that found on the Diamondex / Shore Gold property, which is not comparable to the classical model for diamondiferous kimberlite with the associated G10 garnets. Other mantle-derived indicators from within the diamond stability field dominate the kimberlitic indicator suite. The craton, which underlies the Peace River area, is obvious not the same as other more conventional plays but still hosts 25 diamondiferous kimberlitic pipes. The next planned stage of exploration is additional follow-up overburden drilling on kimberlitic indicators found in overburden near circular geophysical targets. Several of the drill targets are accessible from new all weather roads.

1.0 Introduction

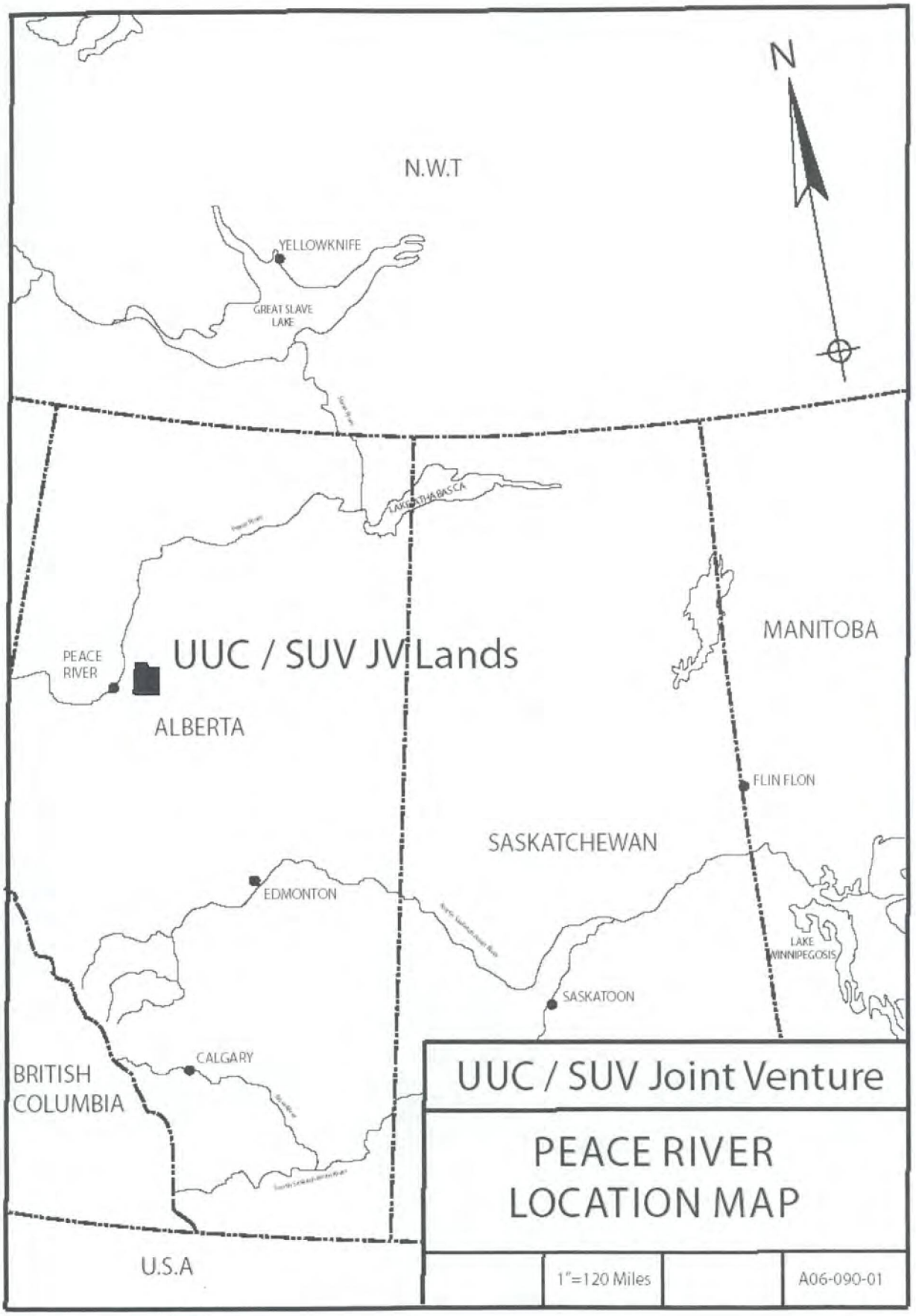
In early January 2004, United Carina Resources Corp., ("UCA") and 50% partner Consolidated Pine Channel Gold Corp., ("KPG") acquired by paper staking fourteen Metallic Minerals Permits north east of the town of Peace River in Peace River Diamond Play. A fifteen permit was added to the block in September 2004. Subsequent to that Consolidated Pine Channel Gold Corp., changed its name to Star Uranium Corp., ("SUV") and United Carina changed its name to United Uranium Corp., ("UUC"). The project is operated as a Joint Venture ("JV") with UUC as the operator. In April 2006, the JV surrendered twelve permits, which were subsequently re-acquired. A further three permits were acquired later that year. The JV retained three permits holding them into the second term. Two assessment reports were filed (Hawkins, 2006a & 2006b). This report documents follow on work carried out on the property in between September 2006 and March 12, 2008. Both United Uranium Corp. (50%), and Star Uranium Corp. (50%) are listed on the TSX Venture Exchange.

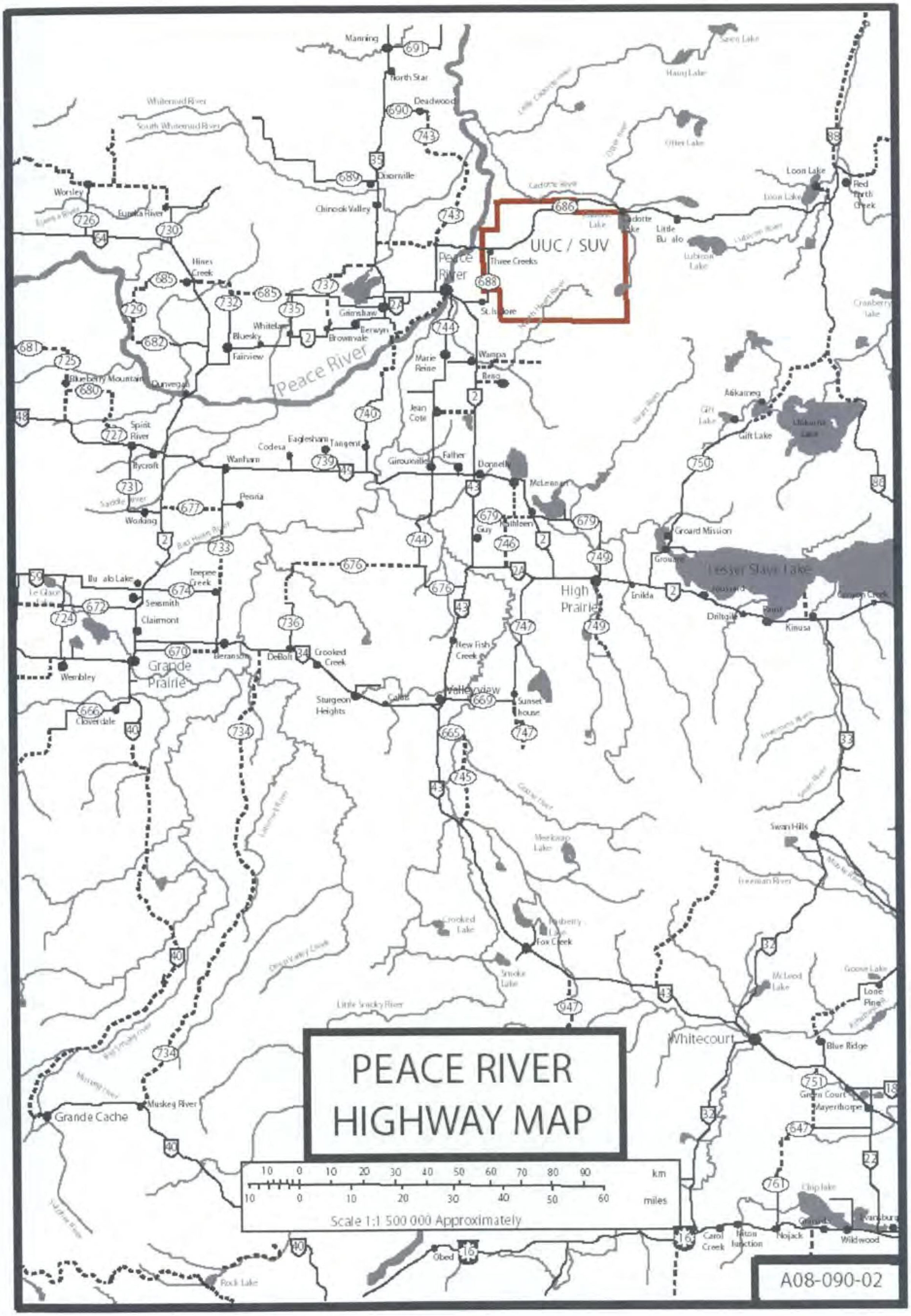
These report uses NAD83 based UTM co-ordinates, while location maps use NAD27 based base maps

1.1 Property Description and Location

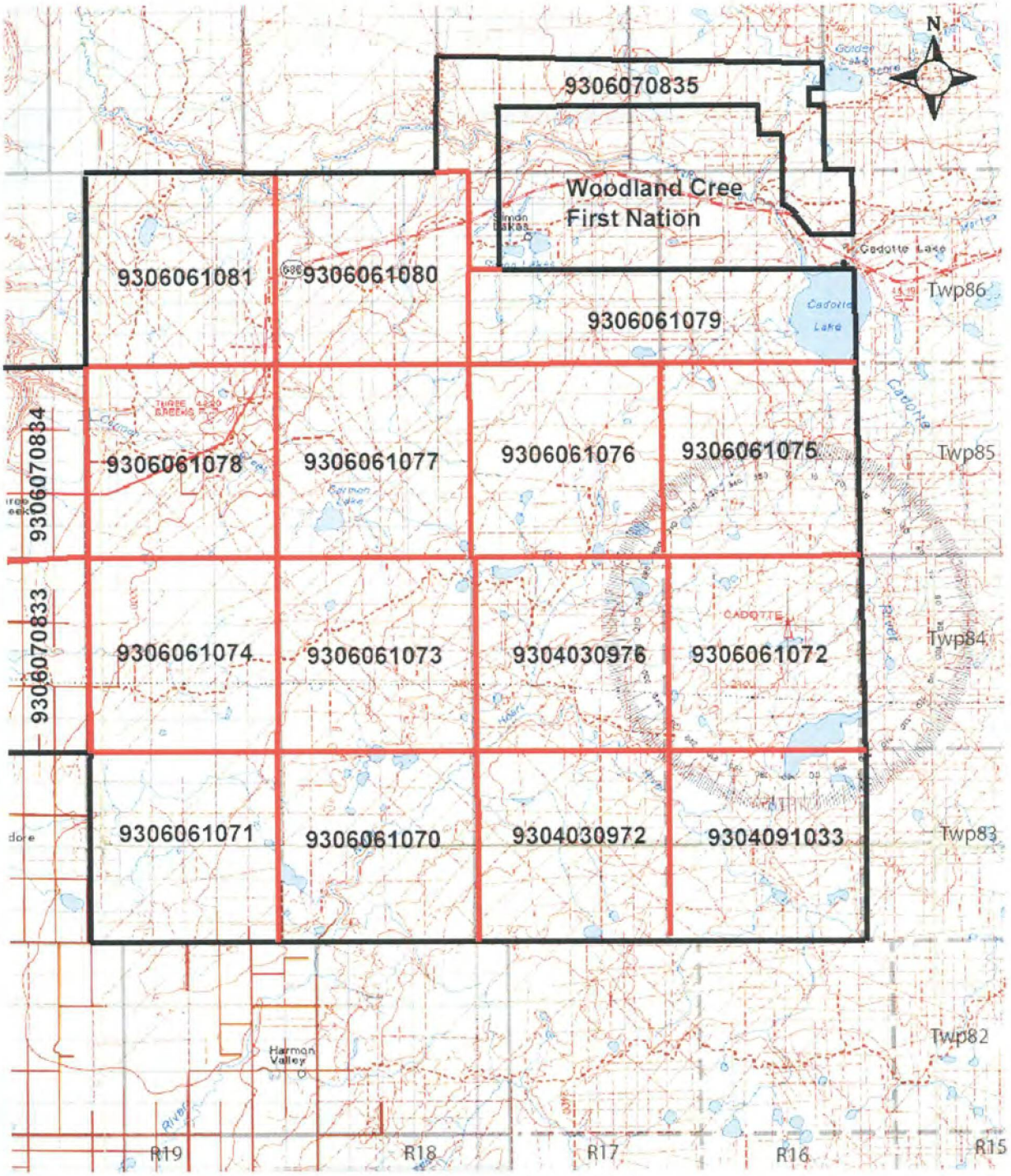
The main Peace River UUC / SUV JV property consists eighteen (18) Metallic and Industrial Minerals permits held by United Uranium Corp., for the JV, and are listed in Table 1. The eighteen permits are located in the upper reaches of the North Heart River.

The Peace River Area is located 350 km. (220 miles) north of Edmonton in West Central Alberta as shown on Drawing A06-090-01. The permit areas covered this report are located 35 km. NE of the town of Peace River within (N.T.S) map sheets 84C / 1, 2, 3, 6, 7, 8. as shown on Drawing A08-090-02. The property generally covers Townships 83-86 Range 16-20 west of the fifth meridian, and is located on Drawing A08-090-100. The permits for which work documented in this report are 9304030972 and 9304030976. Work for other permits will be filed at a later date. All eighteen permits are grouped, for proposes of the application of assessment work.


N
N.W.T
YELLOWKNIFE
GREAT SLAVE LAKE
LAKE ATHABASCA
PEACE RIVER
UUC / SUV JV Lands
ALBERTA
MANITOBA
FLIN FLON
SASKATCHEWAN
EDMONTON
LAKE WINNIPEGOSIS
SASKATOON
CALGARY
BRITISH COLUMBIA
U.S.A
UUC / SUV Joint Venture
PEACE RIVER LOCATION MAP
1"=120 Miles
A06-090-01


PEACE RIVER
HIGHWAY MAP
UUC / SUV
A08-090-02
Scale 1:1 500 000 Approximately
km
miles
10 0 10 20 30 40 50 60 70 80 90
10 0 10 20 30 40 50 60
Peace River
Grande Prairie
High Prairie
Lesser Slave Lake
Whitecourt
Grande Cache
Manning
North Star
Deadwood
Three Creeks
St. Isidore
Grimshaw
Fairview
Valleyview
Swan Hills
Wembley
Muskeg River
Blue Ridge
Obed
Rock Lake

2007 UUC / SUV Permit Locations



NTS 84C

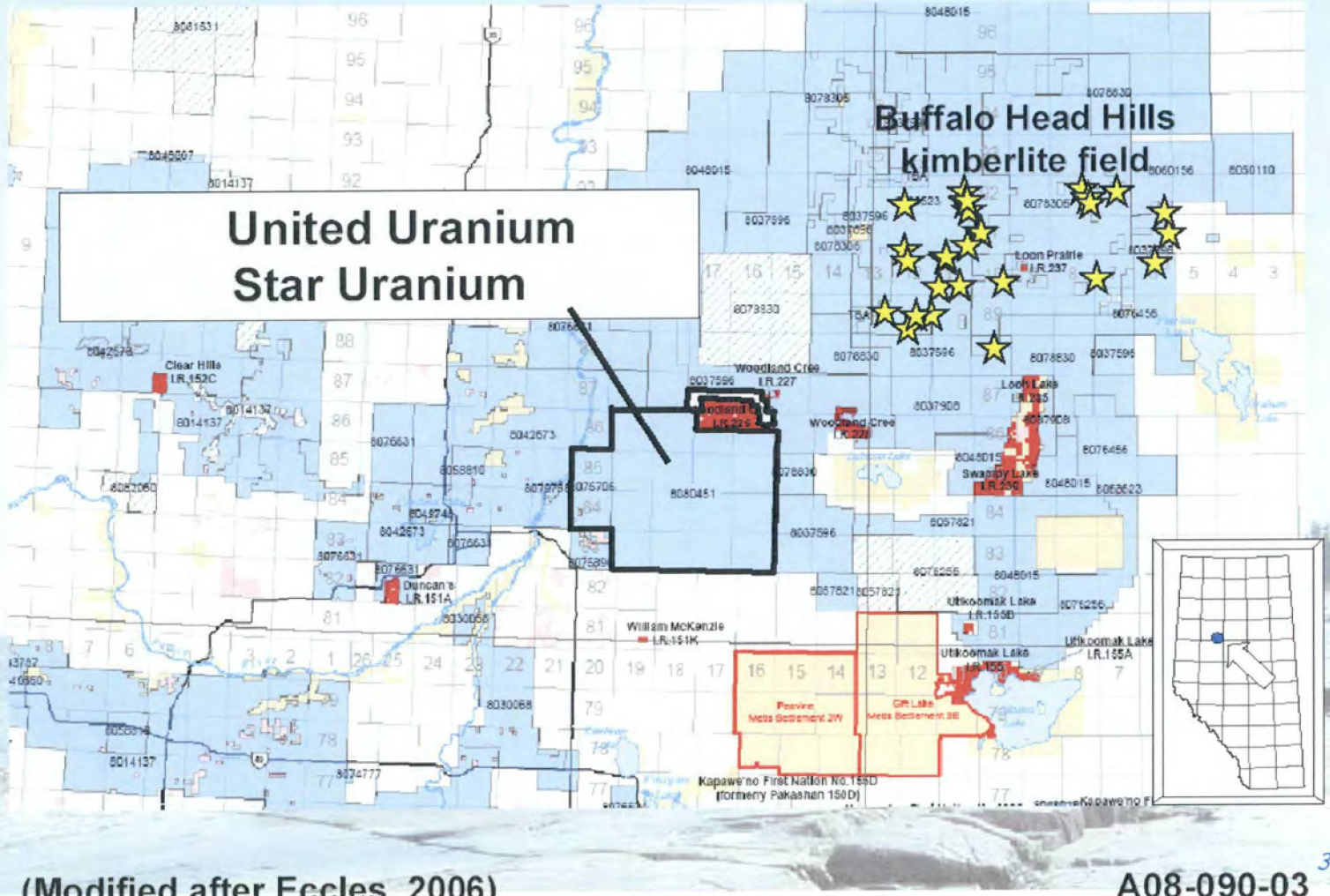
Peace River UUC / SUV JV Scale 1:250,000 A08-090-100

Table 1.
Peace River JV Lands
List of Permits

Permit #	Acquisition Date	Location M – R – Twp - Section	Period	Area (Hectares)
9304030972	12-Mar-2004	5-17-083	2nd	9,216.00
9304030976	12-Mar-2004	5-17-084	2nd	9,216.00
9304091033	16-Sep-2004	5-16-083	2nd	9,216.00
9306061070	29-Jun-2006	5-18-083	1st	9,216.00
9306061071	29-Jun-2006	5-19-083	1st	9,216.00
9306061072	29-Jun-2006	5-16-084	1st	9,216.00
9306061073	29-Jun-2006	5-18-084	1st	9,216.00
9306061074	29-Jun-2006	5-19-084	1st	9,216.00
9306061075	29-Jun-2006	5-16-085	1st	9,216.00
9306061076	29-Jun-2006	5-17-085	1st	9,216.00
9306061077	29-Jun-2006	5-18-085	1st	9,216.00
9306061078	29-Jun-2006	5-19-085	1st	9,216.00
9306061079	29-Jun-2006	5-16-086: S1-12; 13S, NWP; 13NE; 14S, NP; 15-18 outside of Woodland Cree IR#226 5-17-086: S1-18	1st	9,177.00
9306061080	29-Jun-2006	5-18-086	1st	9,216.00
9306061081	29-Jun-2006	5-19-086	1st	9,216.00
9306070833	19-Jul-2006	5-20-084: S1-6; 7N, SE; 8-16; 17E; 18-36	1st	9,024.00
9306070834	19-Jul-2006	5-20-085	1st	9,216.00
9306070835	19-Jul-2006	5-16-086: S25; 35-36 5-16-087: S1; 2EP outside of Woodland Cree IR#226 5-16-087: S11;12S; NP outside of Woodland Cree IR#227 5-16-087: S14-24 5-17-086: S19; 30-31 5-17-087: S5-8; 13-24	1st	9,175.00
		Total Area =		165,616

Current regulations require assessment work in the amount of $5 per hectares during the first two year period, increasing to $10 for second and third two year periods year and increasing to $15 per hectares for fourth and fifth periods. Permits may be grouped and excess expenditures may be carried forward into next period. Permit locations are shown also on Drawing A08-090-100. The permits are located 40 km SW of a large block of permits held by the Diamondex / Shore Gold JV shown on Drawing A08-090-03, which hosts 37 kimberlite pipes.

Peace River / Buffalo Head Hills Diamond Play



(Modified after Eccles, 2006)

A08-090-03

39

1.2 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

The Peace River area is for the most part fairly level with an average elevation of 600 m. (2000 ft.) with the most relief in the valley of the Peace River. Tributaries to the Peace also cut deep "V" shape valleys into the relative flat prairie. Rounded gentle hills also occur to the south and northeast. Elevations range from a low of 460 m. (1500 ft.) on the Peace River to 975 m. (3200 ft.) on the rounded hilltops to the northwest. The permit areas are relatively flat and generally swampy. Drainage is generally poor because the high clay content of soils and poorly developed drainage.

The Peace River area is accessible by several paved all weather highways from Edmonton as shown on Drawing A08-090-02. Peace River is also serviced by the Mackenzie Northern Railway, which is owned by RailAmerica. Scheduled air service from Peace River to Edmonton is available. The area is well serviced in the energy sectors by Alberta power and natural gas companies. The infrastructure developed in the area, partly as a result of oil & gas development in the Peace River Area, provides an excellent infrastructure base for any future mineral development. The permit area is covered with many seismic lines and winter roads. Most logging is carried out in the winter months as is oil drilling and seismic surveying work because of the swampy nature of the terrain. Recent all weather road access development by Northern Sunrise County for the Peace Oil Sands Area to foster the development of production by Shell Canada, Penn West Petroleum, BlackRock Ventures, and Baytex Energy trust has greatly improved access into the permit block beyond what existed backing the 1996.

Peace River is the largest town north of Edmonton with a population of 6,240 (2001). The town has not seen the growth of other communities like Grande Prairie and Fort McMurray. Several of the smaller communities (Simon Lake, Cadotte Lake and Little Buffalo) to the north of the Permits have seen some population growth. The fertile Peace River Country continues to support cattle and grain farming with adjacent areas producing significant values in petroleum and forestry (pulp and paper). Diaishowa Canada Kraft Paper mill continues to operate 16 km. north of the town of Peace River. Several forest blocks nearby are logged as feed for the mill.

The Peace River area has a mean annual rainfall of 475 mm., with annual mean temperature of 1° C. Winters are cold with temperatures to –40° C, while summers can be very hot with temperatures to +35° C. However on the whole they are generally cool when compared to Edmonton. The long daylight hours in the spring and summer due to its northern location, more than make up for the cooler temperatures. Most area of good fertile land have been cleared while some more marginal lands are being used for grazing or allowed to go back to nature forest cover.

1.3 Regional Geology

The geology of the Peace River / Buffalo Head Hills is dominated by the data collected by the Oil and Gas industry during exploration in the Peace River Arch area ("PRA"). The area rocks have undergone a complex history of accretion, sedimentation, uplift, deformation, and intrusion.

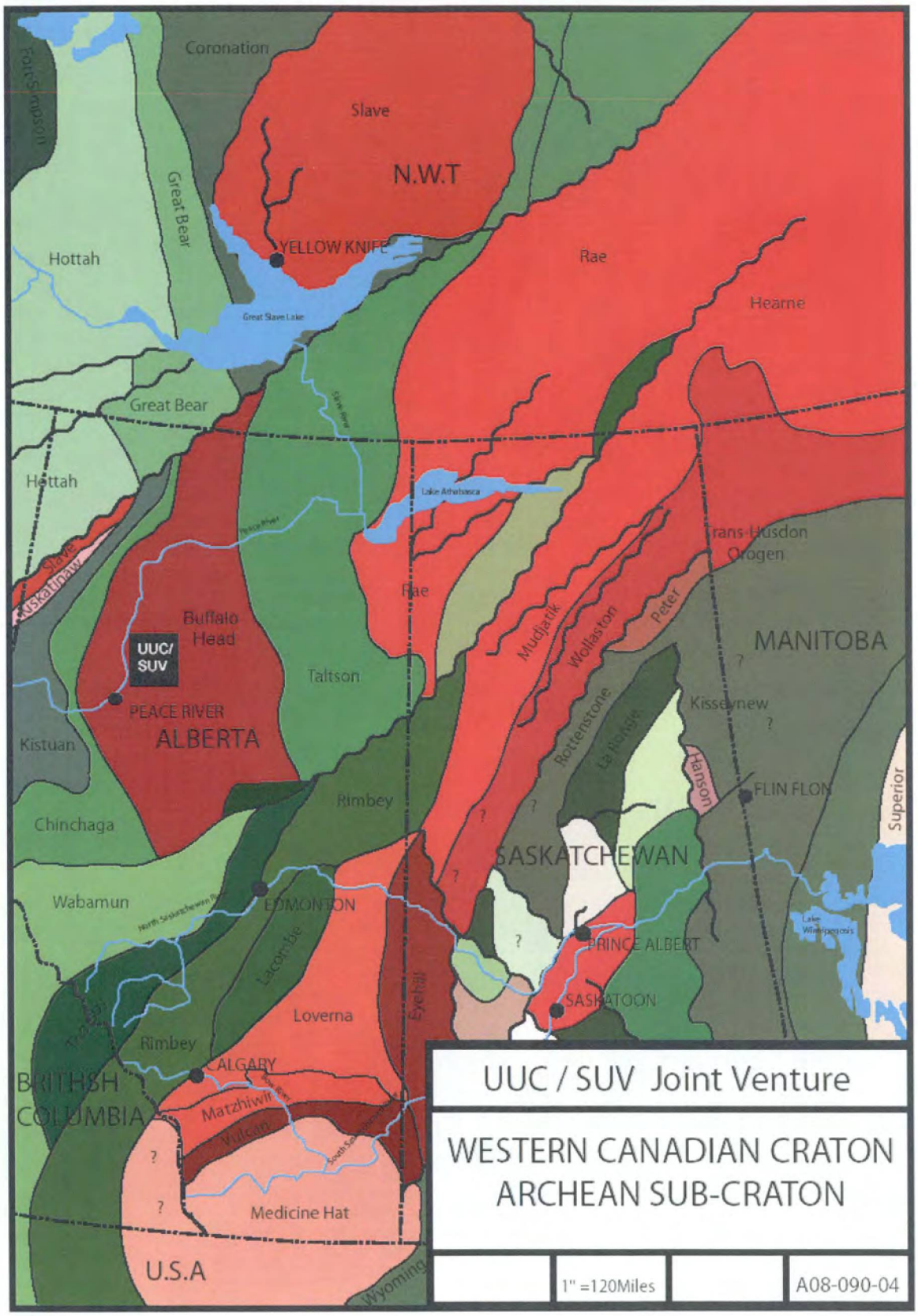
The centre of attention of the diamond play coincides with the margins of the Peace River Arch. The Peace River Arch is an area of uplift where the Phanerozoic cover rocks have been disturbed within the Western Canadian Sedimentary Basin, which has given rise to the accumulations of Oil & Gas in strata from Devonian to Cretaceous in age. The area of the PRA is defined, for the proposes of this report, as the area within the Devonian sub-crop edge. The Arch's Devonian uplift developed several fault structures on its crest and flanks, which commonly filled with locally derived clastic sediments. These structures are very important for the development of porosity for Oil & Gas, and were likely the later conduits for the ascent of kimberlitic intrusions in the area. These deep penetrating structures likely have often been re-activated over time.

The underlying crystalline basement of Northern Alberta is made up of a series of Archean and Proterozoic tectonic domains as shown on Drawing A08-090-04. The tectonic history of the Western Canadian Craton is still not well understood but it appears that the Buffalo Head and Chinchaga Sub-craton appear to have been under-plated with Archean crust as a result of the sub-duction during collision when the domains were accreted to the shield 2.0 billion years ago. Previous to that, the Buffalo Head sub-craton may have been part of the Slave before being faulted off by the Hay River Fault. The under-plating of the Buffalo Head therefore may have provided a deep cool kneel required for diamond preservation.

The exposed bedrock strata in the PRA, is almost all of Cretaceous age. Some strata of Tertiary age may occur in the local area but has not been mapped. The various shallow sandstone and shale formations present are chiefly exposed along the valleys of the major rivers and in outcrops along roads. A Table of Formations is provided in Table 2. Property Geology is shown on Drawing A08-090-05. The deeper formations are only exposed in drill cutting or core from the large number of wells drilled in the areas. Several shallow diamond drill holes have been completed in the property area, but many never reached bedrock.

The shallow underlying bedrock exposed in the area consists of a sequence of Lower to Upper Cretaceous sandstone and shale. The following is a description of the exposed units in the PRA (Green, 1972) in ascending order.

The Peace River Formation of Lower Cretaceous age outcrops in the Peace River Valley. It is mainly composed of fine grained quartzose sandstone (Cadotte Member), dark grey silty shale (Harmon Member), fine grained-grained glauconitic sandstone, silty inter-beds in lower part (Notikewin Member); shoreline complex. The Shaftesbury Formation of Upper and Lower Cretaceous age is composed of dark grey, fish-scale bearing shale, silty in upper part, numerous nodules and thin beds of concretionary ironstone, bentonite partings, lower part with thin silty and sandy intervals; marine. The Dunvegan Formation of Upper Cretaceous age consists of grey, fine-grained, feldspathic sandstone with hard calcareous beds, laminated siltstone and grey silty shale; deltaic to marine. The Kaskapau Formation of Upper Cretaceous age consists of dark grey silty shale, thin concretionary ironstone beds, inter-bedded in lower part with thin


Coronation
Slave
N.W.T
Great Bear
Hottah
YELLOW KNIFE
Great Slave Lake
Rae
Hearne
Great Bear
Hottah
Lake Athabasca
Peace River
Slave
Buffalo Head
UUC/ SUV
PEACE RIVER
ALBERTA
Taltson
Rae
Mudjatik
Wollaston
Peter
Trans-Hudson Orogen
MANITOBA
Kisseynew
Rottenstone
La Ronge
Hanson
FLIN FLON
Superior
Kistuan
Chinchaga
Rimbey
SASKATCHEWAN
Wabamun
EDMONTON
PRINCE ALBERT
SASKATOON
Lacombe
Loverna
 Exshaw
Rimbey
CALGARY
BRITISH COLUMBIA
Matzhiwin
Vulcan
Medicine Hat
U.S.A
Wyoming
UUC / SUV Joint Venture
WESTERN CANADIAN CRATON
ARCHEAN SUB-CRATON
1" =120Miles
A08-090-04

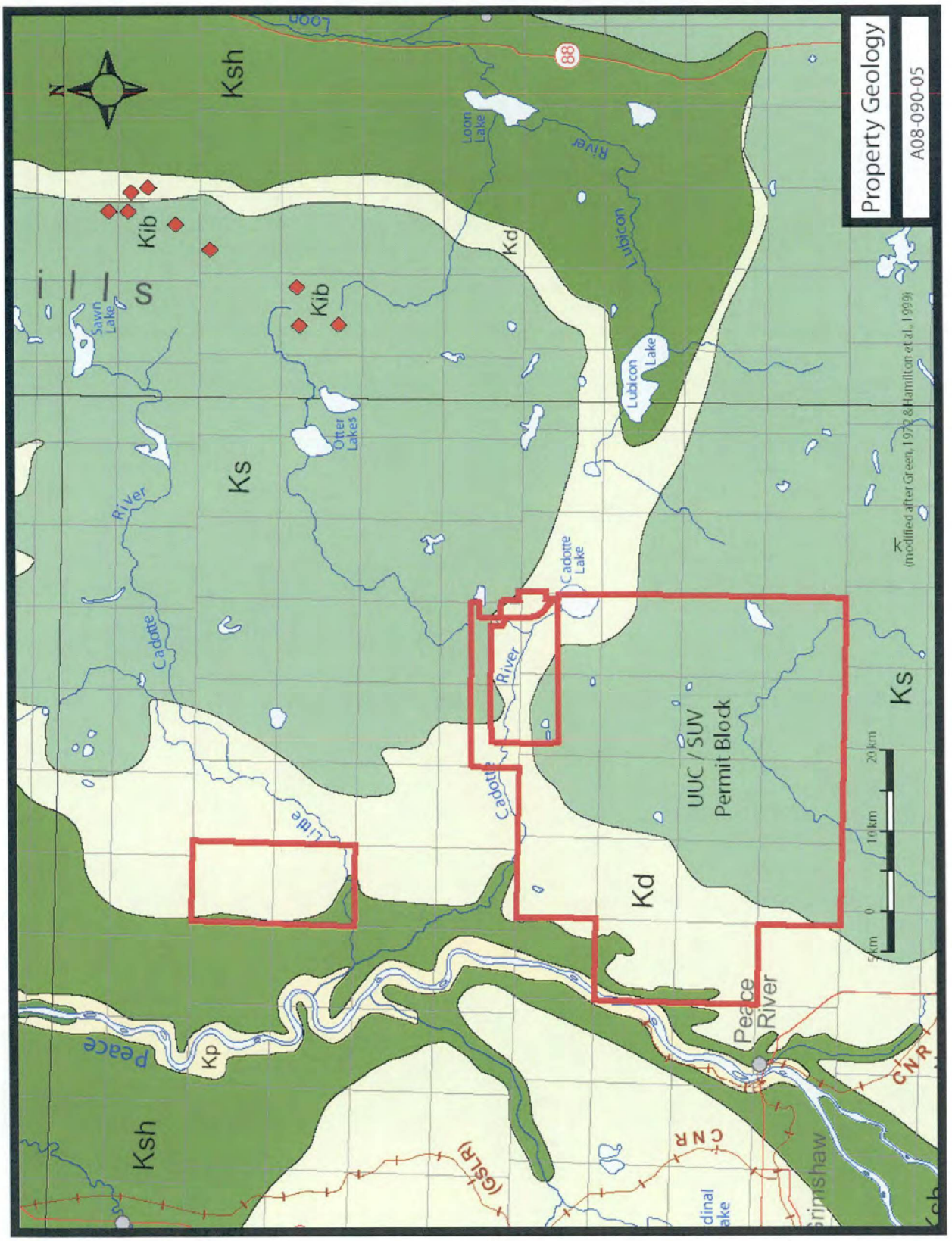

Property Geology
A08-090-05
N
Ksh
Kib
Kd
Ks
Kp
Loon Lake
Lubicon Lake
Otter Lakes
Sawn Lake
Cadotte Lake
Peace River
UUC / SUV
Permit Block
(modified after Green, 1972 & Hamilton et al., 1999)
0
5km
10km
20km
CNR
(GSLR)

Table 2.
Peace River Area
Table of Formations

Age	Symbol	Formation Name / Group	Age	Member	Description
Pleistocene	Qsg		Recent		Unconsolidated sands and gravels, glacial till
Tertiary			65		Pre-glacial sand and gravel
Cretaceous	Kwt	Montana Group Wapiti Formation			Gray brown clays with massive SST, ironstone nodules, thin clay seams, scattered coal beds, non marine
	Kib	Buffalo Head Hills Intrusives			Ultra basic (kimberlite) lapilli-bearing olivine crystal tuffs
	Ks Kpw 1WS	Smoky Group Smoky Group Paskwaskau Formation		 1st White Spec	Dark gray shale and silty shale, ironstone partings and concretions
	Kbh Kk	Colorado Group Bad Heart Formation Kaskapau Formation	 90-92	 2nd White Spec	Brown SST, medium to fine grained, fossilerous, marine. Shale, dark to black, thin bedded, some sandstone
	Kd	Fort St. John Group Dunvegan Formation	92 – 95		Grey fine grained feldspathic SST, alternating SST/shale
	Ksh Kshu Kshl	Shaftesbury Formation	 95 - 98	 Upper Base of fish scales?? Lower	 Dark gray fish scale bearing shale Numerous nodules with thin beds of Fe Silty and sandy shale
	Kp Kpc Kph Kpn	Peace River Formation	98 - 100	 Paddy Cadotte Harmon Notikewia	Massive SST Fluvial deposits Quartzose SST, Shale, conglomerate Dark gray silty shale Fine grained glauconitic SST
	Ksr Bfsc	Spirit River Formation (Loon River Formation)		 Falher Wilrich Base of the Fish Scales	 Sandstone, shale, coal Shale
	   Kb	Mannville / Bull Head Group Cadomin Gething Formation Bluesky	106	 Basal Cretaceous	Conglomerate SST, Shale, oil sands Sandstone, shale, oil sands

(Modified after Green, 1972 & Hamilton et al., 1999)

concretionary ironstone beds, inter-bedded in ferruginous oolithic mudstone; marine. The Smoky Group of Upper Cretaceous age to the east of Peace River is composed of dark grey shale and silty shale, nodules and thin beds of concretionary ironstone; marine.

The structure of the Peace River area, appear dominated by basement features. The superposition of modern drainage networks on paleo-drainage network shows remarkable coincidence. Suggesting an underlying structural control. Major structures appear oriented N-S, E-W and NE.

A mantle of varying thickness of superficial Pleistocene and recent deposits cover the project area. These deposits are thickness in buried old channels and in present day channels. Some stratified drift is evident but no detailed property level mapping has taken place. At least two till sheets are likely present. Reworked gravels are present along several old channels ways. Some of these channels may be of tertiary age. Some till is inter-bedded with gravel suggesting some degree of complex fluvial-glacial gravel deposits. Overburden ranges in thickness from very shallow (less than 1 m.) to in excess of 300 m. but likely averages 30 – 90 m. in depth. The AGS has undertaken Surficial Mapping (Paulen et al, 1994a and 1994b) in the area and this data should be integrated into the exploration database. The AGS has also obtained anomalous kimberlitic indicators in till (Paulen, 1995) surrounding the property.

The property area is also underlain by bituminous oil sands of the Bluesky-Bullhead Formation of Lower Cretaceous age. These oil sands are similar in nature to those at Fort McMurray except the Peace River Oil Sands occur at a much greater depth of 550 m. Shell Canada is currently producing from this at zone at their existing Peace River Complex located in Twp85R18W5. This facility is licensed to produce 12,000 barrels of bitumen per day. Shell's proposed Carmon Creek Project would increase this to 30,000 barrels of bitumen per day. Shell with the take over of Black Rock Ventures has undertaken further development on the Cliffdale complex further to the SE. Baytex Energy, Penn West Petroleum, and Husky Energy are also operating in the area.

2.0 Previous Exploration

The project area has been explored by a number of companies in the past without the discovery of kimberlite. The Peace River / Buffalo Head Hills Diamond play has undergone several cycles of exploration. The initial staking rush took place in 1992 after it became apparent that De Beers Canadian subsidiary was exploring near Peace River. Carina staked it's first permit in the area during the summer of 1992 after field examination (Hawkins, 1992). By 1994 most of the Peace River area was fully staked, as was most of Alberta. Activity did not pickup again until in 1997 when Ashton made their Discovery in the Buffalo Head Hills some 48 km. to the NE of the project area. Interest again picked-up, with renewed as the marketplace for junior mining companies improved during 2004-2005. Another factor affecting interest in the play has been the success or failure of Ashton in finding new pipes or economic grade kimberlite. The following section summaries past exploration on the property.

2.1 Consolidated Carina Resources Ltd. and Currie Rose Resources Ltd.

Carina and Currie Rose were one of the early claim stakers in the play. The Carina / Currie block adjoined a large block to the south controlled at the time by Monopros. The Carina / Currie Rose initial program consisted of limited fieldwork in support of Remote Sensing and Aerial Photography studies. Data was also compiled from available Oil Industry data. Two delineation oil wells drilled by Shell Canada were also sampled (Hawkins, 1993a) in January 1993, near Carmon Lake (Twp85 R18 S17 W5). The samples taken from the shale shaker returned 60 pyrope garnets, 15 chrome diopsides, and 7 ararovites. The samples were taken from a buried channel. Several aeromagnetic anomalies were investigated with ground magnetometer surveys (Hawkins, 1995) but were found to be "at depth" basement features or near small surface features in overburden. The property was allowed to lapse, before the discovery by Ashton in the Buffalo Hills in 1997.

2.2 Ridgeway Petroleum and Horseshoe Gold Corp.

Ridgeway Petroleum was the second staker in the area after Carina/Currie Rose. They staked the large horseshoe shaped block around the Carina / Currie Rose block. Ridgeway Petroleum ventured the ground with Horseshoe Gold Mines and flew a fixed wing Aeromagnetic survey over the property in 1993 (Marchand, 1995). In the associated Assessment Report Maps, incorrectly indicate this survey was a helicopter survey. The survey indicated 26 positive magnetic anomalies. The JV acquired the rights to the digital data from Horseshoe Gold Mines to this survey and was successful in recovering the complete data set.

Limited on the ground geophysics was conducted in preparation for drilling. Five of the anomalies were drilled without success. Core from these holes was archived at the AGS core storage facility in Edmonton and was re-logged by the JV. No sampling was apparent, even from the cored till.

In 1997, a low level Helicopter aeromagnetic (Marchand, 1997) was flown over several anomalies to provided higher resolution data more accurate data. This survey was flown at a 50 m line spacing at a 20m terrain clearance. An evaluation report was completed on the property in 1998 (Bessere & Dufresne, 1998). Ridgeway conducted no further exploration on the property. The property was optioned to Ashton in 2000. The property was subsequently allowed to lapse.

2.3 Ashton Mining of Canada Inc.

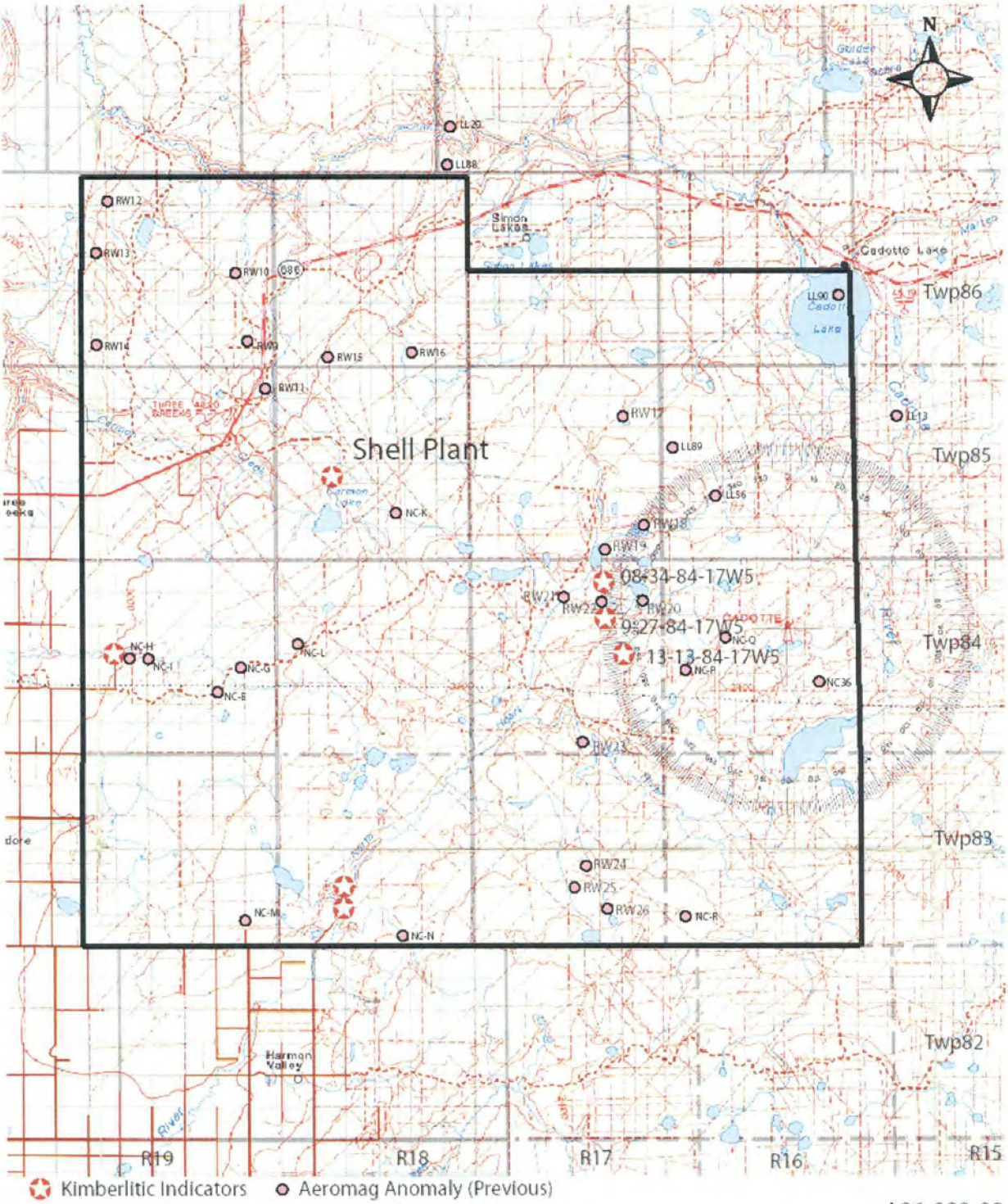
Ashton Mining of Canada optioned the remaining Ridgeway property in 2000 and re-drilled one of Ridgeway best circular magnetic anomalies (Anomaly #RW17 in Twp 85 R17 W5 S25). Ashton carried out limited ground geophysics consisting of Magnetometer and TDEM (time domain electro-magnetic) surveys (Skelton, 2000). The anomaly location (RW17) is shown on Drawing A06-090-08. The hole produced significant artesian water from a sand seam in the shallow part of the hole. Again drilling failed to locate any kimberlite. The property was returned to Ridgeway and the property lapsed. No sampling is apparent from core archived at the AGS core storage facility in Edmonton, which was re-logged by the JV. Examination of the core suggests that the hole never reached bedrock. The artesian aquifer may have discouraged more detailed examination of the target.

Ashton itself held permits covering the extreme NE corner of the property near Cadotte Lake. They did complete an aeromagnetic survey of the area but the assessment files content no information regarding any ground follow-up on the three anomalies (LL56, LL89 and LL90) noted in the area. These anomalies are located on Drawing A06-090-08. The area was allowed to lapse.

2.4 New Claymore

New Claymore acquired property in the area as permits lapsed in 1997. They jointed ventured their property with Meteor Minerals in 1997. In May 1997 they completed a high-resolution aeromagnetic survey for the survey (Faragher & Ryziuk, 1999). Few details of the survey are provided in the assessment report. The survey was likely a fixed wing survey with a terrain clearance of 85m. The survey defined 22 positive magnetic features of which 18 were tested with ground geophysics consisting of magnetometer and HLEM survey. In the winter of 1998, nine targets were drilled with out success. Five of the holes never reached bedrock. No sampling is apparent from core archived at the AGS core storage facility in Edmonton, which was re-logged by the JV. The property was allowed to lapse.

Airborne Anomaly Locations



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A06-090-08

2.5 Ultrasonic Industrial Sciences

In the summer of 1997 Ultrasonic Industry Sciences ("UIS") mounted a modest sampling program on the remains of their property originally acquired in April 14, 1993. UIS had filed the original qualifying report (Hawkins, 1993b) completed on the property, as assessment work. No fieldwork was conducted until 1997 when APEX conducted a modest sampling program (Chin et al, 1997) within Twp83R16W5 and Twp84R16W5. This program consisted of the collection of six till samples. Indicator minerals found in 3 of the samples included 9 definite and 2 possible pyropic garnets, 1 definite and 3 possible chrome diopsides and 2 possible eclogitic garnets. More than 61 opaque grains were also picked as being possible chromite or limonite. The garnets were classified as largely G9 with one G10 and one G3. Those grains likely fall into the same group as defined by other published data sets for the Northern Alberta Diamond Field.
UIS allowed the permits to lapse.

2.6 2004-2006 Exploration by United Carina / Consolidated Pine Channel JV

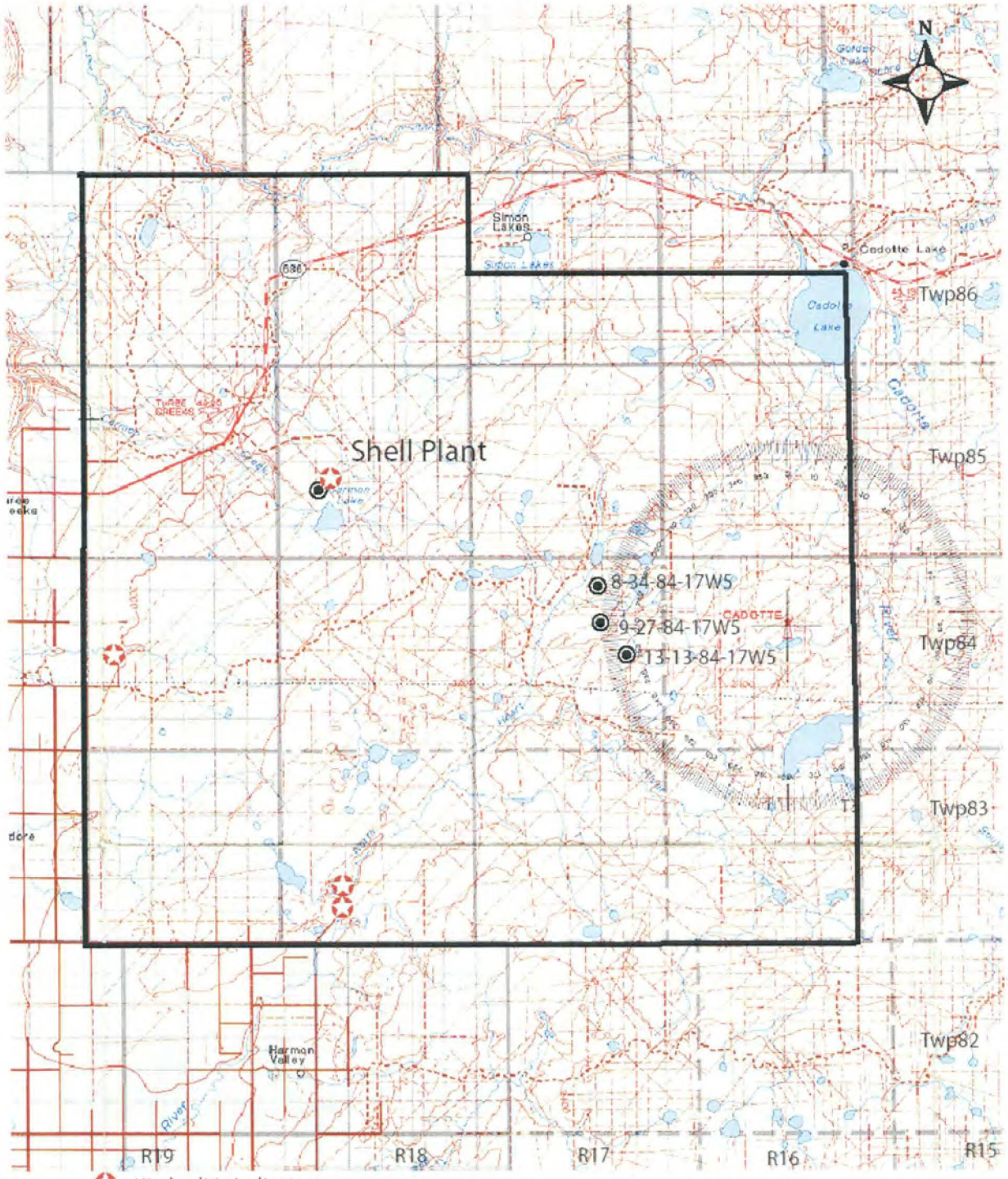
In early January 2005, BlackRock Ventures notified the JV of plans to drill a number of development wells in Twp84R17W5. The JV received permission to sample the upper portion of these wells. Previous to this, samples had successfully been taken from Delineation Wells drilled by Shell Canada in 1993 at Carmon Lake (Hawkins, 1993). Samples are obtained from the shale shaker table during the drilling of the shallow part of the hole. Sample location is estimated given the transit time of cutting to the surface. Sampling procedure, although not ideal is likely reasonable as a preliminary exploration tool. With proper diligence and dedication it is possible to obtain samples even in –40C ° weather. Accurate sample position or location is somewhat subjective.

The three wells sampled are located on Drawing A06-090-07R. The three sampled wells are located on slight heights of ground above the generally swampy ground of the area. Samples were collected large plastic bags then placed in 5-gallon plastic pails. Samples were obtained from the shale shaker table with a shovel on a representative basis. Usually the shaker produced significant more material and the volume was sub-sample to produce a representative volume for material for a given interval. The material was obtained from the cone that formed as a result of the output. Care was taken to discard earlier material so there was not cross contamination between intervals. This all assumes there is a continuous flow of material from down the hole. These assumptions are considered acceptable, given the nature of the sampling, which we consider geochemical in nature. Obtaining such samples is inexpensive and quick to obtain. They are only be relied upon to limited extent because the actual location is only approximate and we are assume they are representative. They do however provide an access to till at depth inexpensively that assists in the evaluation of the area.

The wells are situated in the headwaters of the North Heart River from which kimberlitic indicators were obtained this past summer. The wells are situated along the SW-NE trend that hosts the Ashton kimberlites to the northeast. Initial picking of concentrate was encouraging with a significant number of garnets and ilmenites but micro probe analysis indicated few of the garnets were of interest and none of the ilmenites. Analysis did however return a modest number of garnets (10 G-3, 1 G-4, 48 G-5, 1 G6, and 5 G-8), 58 clino-pyoxenes and 7 olivines of interest (Hawkins, 2006a). Probing indicated they were very low chrome garnets falling into G1, 3, 5, 6, and 8 classes of Dawson and Stephens (Dawson & Stephens, 1975). There were no G-9 recovered as previous seen from past sampling. These garnets may represent a different population of indicators. A small number do fall with the diamond inclusion fields. A number of the Olivine and Chrome Diopsides grains fall within the pyroxene classification of Dawson & Stephens (Dawson and Stephens, 1997). Further probing of these samples is reported on in this report.

By September 2006, a total of 24 surface till samples were collected and six stream sediment samples from the property. A further 22 samples were collected from drill cutting during the drilling of three development wells by Blackrock Ventures. Preliminary results from these samples were reported in 2006 (Hawkins, 2006a and 2006b).

Sampled Oil Wells



3.0 Current Exploration Program

The JV during the current term collected a further twelve surface till samples and one additional stream sediment sample. During the winter of 2008 an overburden-drilling program was undertaken. Only three holes (totaling 170.8) were completed before March 12, 2008. A further three holes were completed after March 12th and will be reported on in more detail at a later date. Electron micro probing of previous obtained indictor mineral grains and data compilation was also completed.

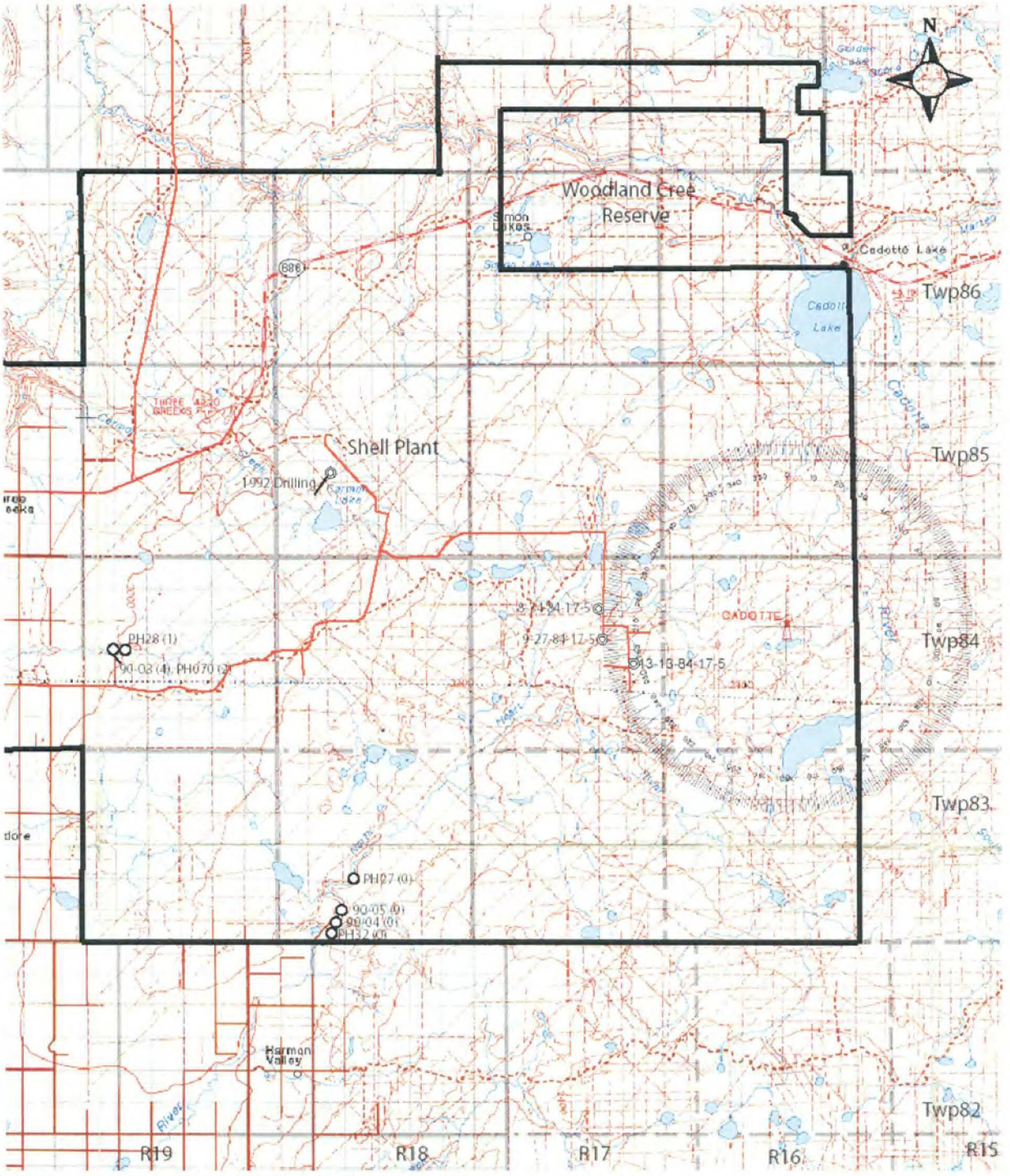
3.1 Stream Sediment Sampling

In order to better understand the kimberlitic indicator distribution in Wesley Creek drainage a further stream sediment sample was taken. Previous to this the sample site just north of the Wesley Creek Sub-station had been flooded out because of a beaver pond. With the reconstruction of the culvert and control of the beavers by government, the site became accessible.

Sample PH70 returned 2 pyropes, 12 olivines, and 4 chromites. These new grains have yet to be probed. This sample weighted 21.85 Kg and was fluvial glacial sediment of medium grained gravel from the northern bank of the creek. It was red to dark brown in colour. These results tend to confirm previous anomalous samples at this site shown on Drawings A08-090-106, A08-090-107 and A08-090-110. More details are shown in Appendix 1, 2, and 4.

Samples from southern edge of the property on the North Heart River also show considerable variation in indicator grain counts. Samples with the medium to coarse grain size sediment show better grain counts. Stream sediments with significant fine clay of glacio-lacustrine nature show fewer grain counts. The coarse sediments offer more directly derived material.

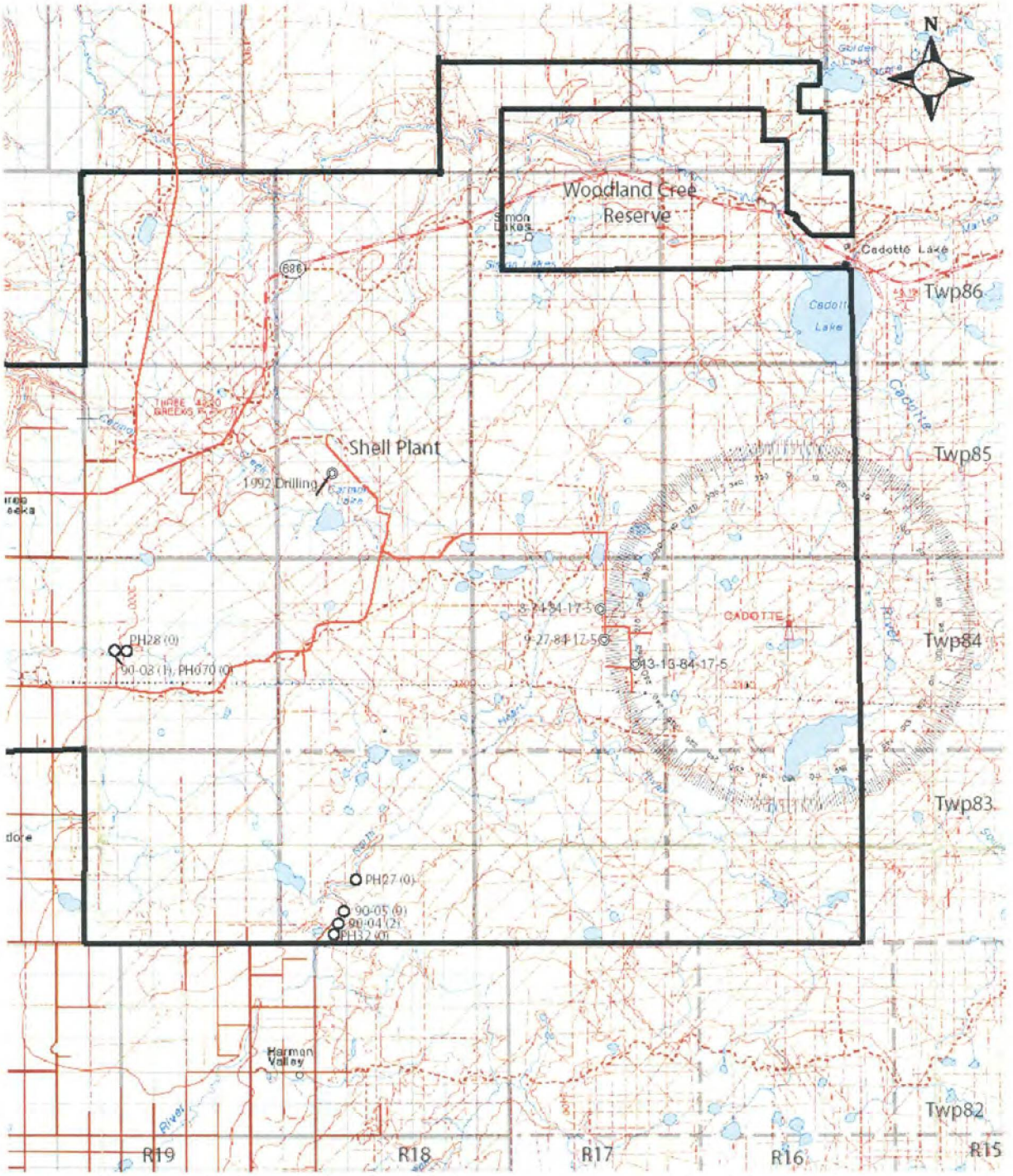
Pyrope Indicators in Stream Sediments (Raw)



O Stream Sediment Sample Site with Pyrope Counts
◎ Wells Sampled for Indicators

Peace River UUC/ SUV JV
Scale 1:250,000 Jan 31, 2008 A08-090-106

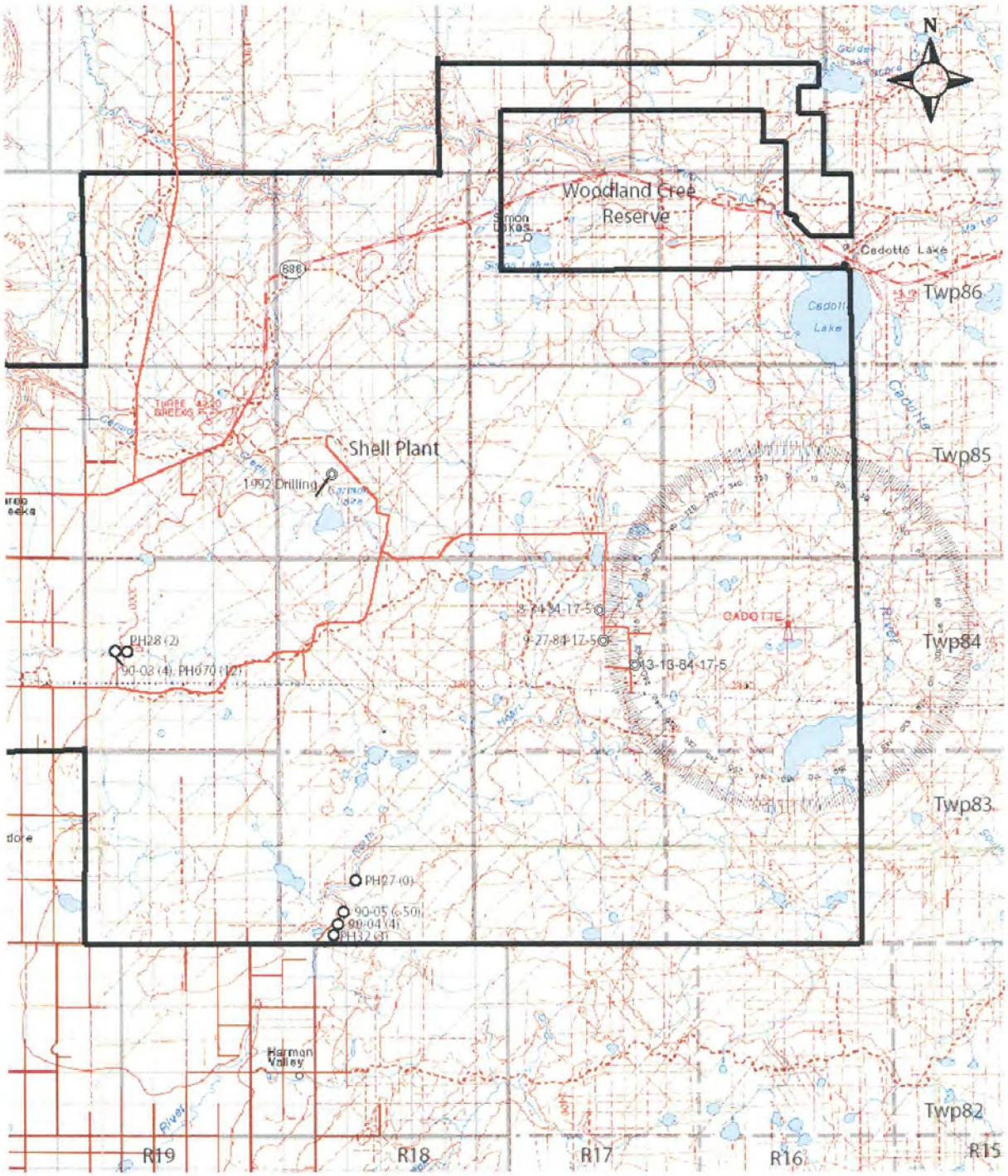
Chrome Diopside Indicators in Stream Sediments (Raw)



○ Stream Sediment Sample Site with Cr-Diopside Counts
◎ Well Sampled for Indicators

Peace River UUC/ SUV JV
Scale 1:250,000 Jan 31, 2008 A08-090-107

Olivine Indicators in Stream Sediments (Raw)



3.2 Till Sampling

A further twelve till samples were collected on the property as sample sites became available, Results from these samples are shown in Table 3 below. Sample locations are provided Appendix 2 and detailed sample locations maps are provided in Appendix 4. Most till samples were from the lower till in the near centre of burrow pits, dug by the oil industry. Additional micro probe data was also received which confirmed previous data

Sample PH69 was taken from the pit wall just north of the surface lease for 08-34-84-17W5. Sample material was a coarse gravely till which returned two pyropic garnets, two chromites and one olivine indicator grains. One of the pyropic garnets had a partially preserved kelyphite rim.

Sample PH70 was taken in the base of a large gravel burrow pit just west of the Shell's Cliffdale complex. This sample returned two chromites and eleven olivines. The sample was from a coarse gravely till. The eleven olivines were the second highest olivine grain count on the property from a till sample.

Samples PH71A, PH71B, and PH72 were from a large burrow pit 500 m west of surface lease 08-34-84-17W5. These samples were clayey tills. Samples 71A and 71B were two pails of material from center of the burrow at the same location except 71B was 2 m deeper in the pit. PH72 was 25 m further to the east in a shallower location. Results clearly show that deeper sampling return higher grain counts. These samples returned small numbers of pyrope, ilmenite, chromite, and olivine grains.

Samples PH73 and PH74 were taken from burrow pits off of the Baytex road in Twp84R18W5 in clayey tills. PH73 produced only two pyropes and one olivine. PH74 returned no indicators

Sample PH78 taken south of the property in a burrow pit off of the new Seal Lake County road in Twp82R17W5 produced no indicators at all. The sample was of the clayey lower till at about 3 m depth.

Samples PH89, PH90, and PH91 were taken in the fall of 2007 near the Wesley Creek Road. These samples were sent to Overburden Drilling Management in Neapen, Ontario for processing. Sample PH89 was from a bank cut on the bank of Wesley Creek in Twp84R20W5. This sample was largely all fines of glaciolacustrine origin returned only one chromite and one olivine. Sample PH89 obtained from a burrow pit off of the new County Wesley Creek Road returned one pyrope, one ilmenite, and two chromites. The access into this burrow pit was to become Site #3 of the Overburden Drilling Program later in March 2008. Sample PH91 was taken in a new burrow pit in Twp84R20W5. This sample of clayey till returned two chrome diopsides and one olivine grain.

Sample PH090 was taken this March in a very deep Penn West burrow pit off of the Baytex road returned 5 olivine grains. This is one of the deepest burrow pits at 5 m we have seen on the property. The bottom of this pit was completely dry.

Table 3.
Summary for Till Samples
(Picked by SRC / ODM)

S/N	Garnets		CPX	Ilmenite	Chromite	Olivines	Depth
	Pyropes	Eclogitic					
090PH69	2	-	-	-	2		3 m
090PH070	-	-	-	-	2	11	3 m
090PH71A	2	-	-	1	-	2	3 m
090PH71B	-	-	-	1	1	1	2 m
090PH72	-	-	-	-	-	1	1.5 m
090PH73	2	-	-	-	-	1	3 m
090PH74	-	-	-	-	-	-	3 m
090PH78	-	-	-	-	-	-	3 m
090PH89*	-	-	-	-	1	1	2.5 m
090PH90*	1	-	-	1	2	-	3 m
090PH91*	-	-	2	-	-	1	3 m
090PH090	-	-	-	-	-	5	5 m

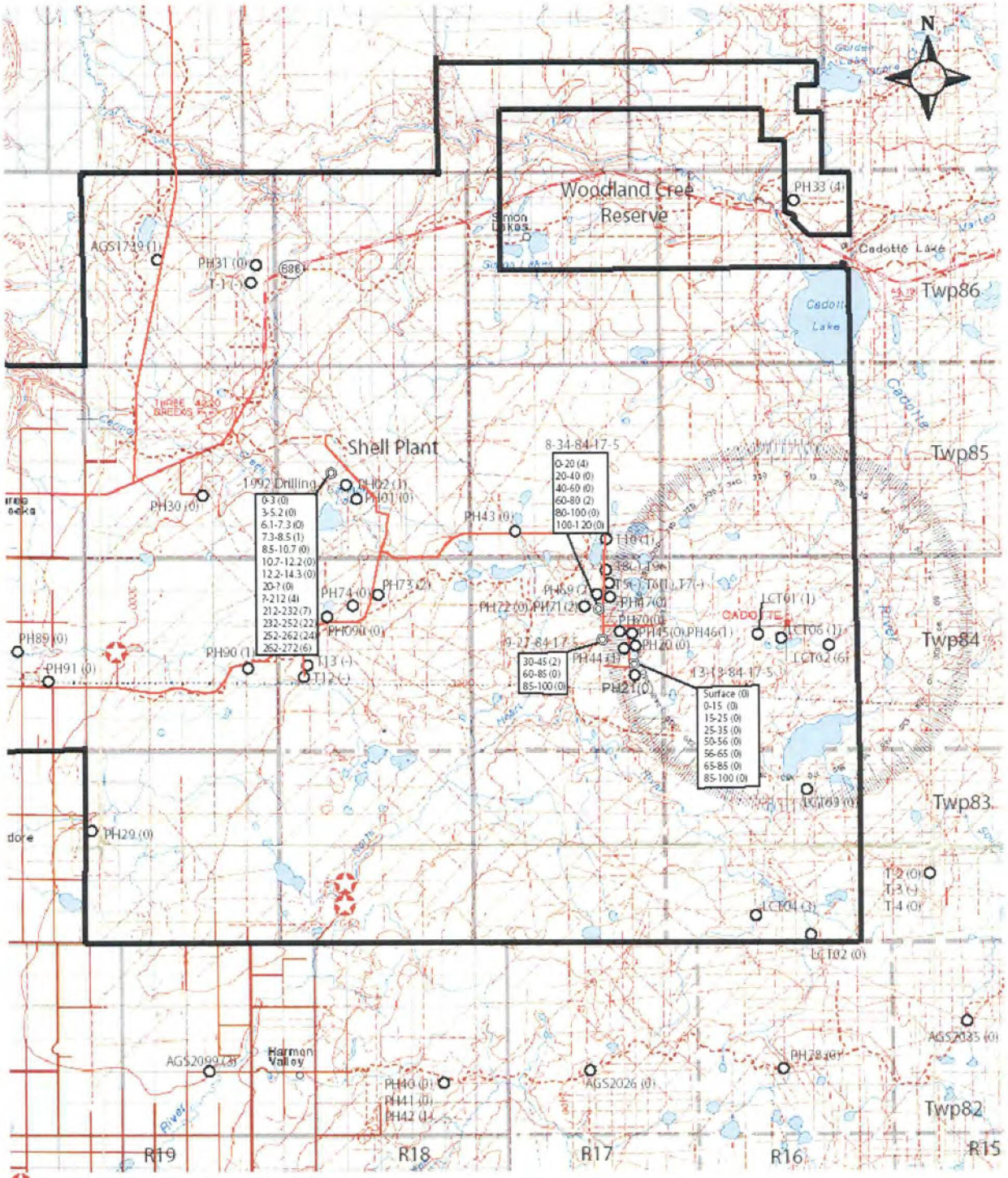
* Processing & Picking by ODM

The distribution of pyropes in surface till samples on the property is shown on Drawing A08-090-101 varies from nil to 6 grains. Most are nil with rarely over 2 grains. Sampling of drill holes has produced much better results. These numbers in future should likely be normalized to a standard sample size of 30 kg for proper analysis. In the interim it is likely normal background range is one pyrope or less. High background is likely between 2 to 3 grains. Anything over 4 pyropes has to be considered anomalous. From this prospective four areas are highlighted to be of interest including PH33, Blackrock hole 08-34-84-17W5, LCT06 (taken by Apex for UIS (Chin et al.,1997)) in Twp84R16W5 and the 1993 Drilling in Twp85R18W5. Most of the garnets probed are G-9 with very rare G-10 garnet (one in PH33 and LCT06).

The distribution of olivines grains seems to be perhaps more distinctive because of the type of kimberlites present in northern Alberta. The occurrence of olivine indicators is shown on Drawing A08-090-105. Only recently with the release of information of the chemistry of Buffalo Head Hills pipes, was it realized that olivine was a kimberlitic indicator. Many early samples were not examined for olivine. Background ranges for olivine is likely between nil and one grain based on examination of raw data. More detailed analysis would benefit from samples being normalized to 30 kg sample sizes since one to three grains may in fact be high background. Samples with four or more grains are clearly anomalous. Areas highlighted based on these ranges include: PH33, AGS sample #2035 SE of the property, Blackrock hole 08-34-84-17W5, Blackrock hole 09-27-84-17W5, PH70, PH90 (Site#3) and PH090. No olivine counts for earlier samples, hampers interpretation. Probe analysis puts most of these indictors into the olivine kimberlitic field.

More detailed overburden drilling results are likely required to resolve the indicator mineral distribution for the property. Hopefully the pending results from the recent holes will assist in this regard.

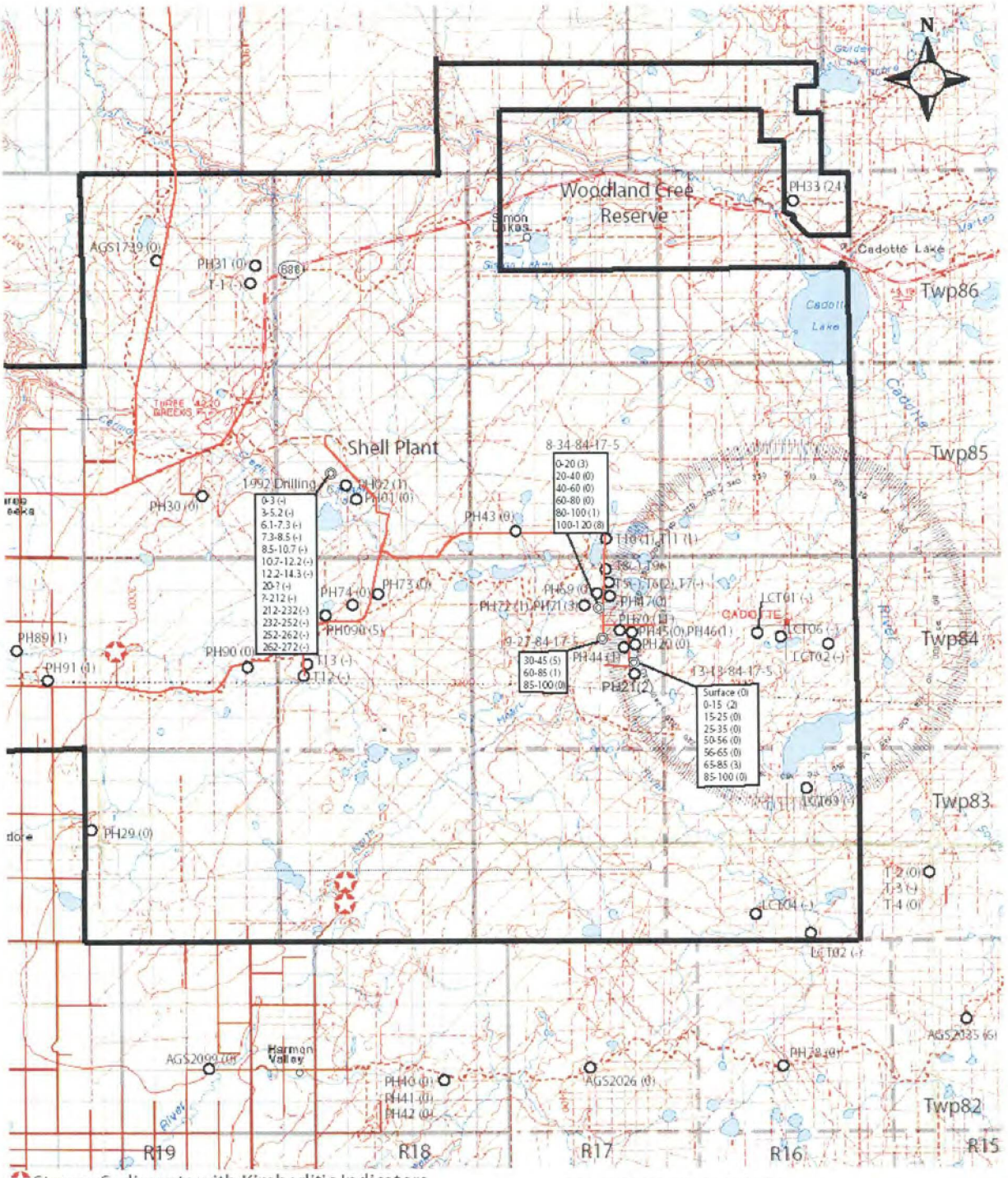
Pyrope Indicators in Till (Raw)



Stream Sediments with Kimberlitic Indicators
Till Sample Site with Pyrope Counts
Sampled Well with Pyrope Counts
(-) Denotes Sample was not examined for Indicators Minerals

Peace River UUC/ SUV JV
Scale 1:250,000
Jan 30, 2008
A08-090-101
Revised May 2008

Olivine Indicators in Till (Raw)



Stream Sediments with Kimberlitic Indicators
Till Sample Site with Olivine Counts
Sampled Well with Olivine Counts (with intervals in m.)
(-) Denotes Sample was not examined for Olivine graines

Peace River UUC/ SUV JV
Scale 1:250,000 May 30, 2008 A08-090-105

3.2 2008 Overburden Drill Program

An Overburden Drilling Program for the property finally got underway on March 9th, 2008 after delays associated with issuing of an Exploration Approval from Sustainable Resource Development. Only three holes (Sites #4, #5, and #6) were completed before March 12, 2008. A further three holes (sites #1, #2, and #3) were completed before County road bans came into effect on March 17th. Holes are listed below in Table 4 and shown on Drawing A08-090-111. The program was also affected by the failure to reach agreement with Surface Land of Shell Canada after the Calgary Office overruled field personnel who had approved the program because the minimal impart the program. The view by Shell of the road as a profit centre raises numerous issues. Planned holes on sites #7 to #16 never were attempted.

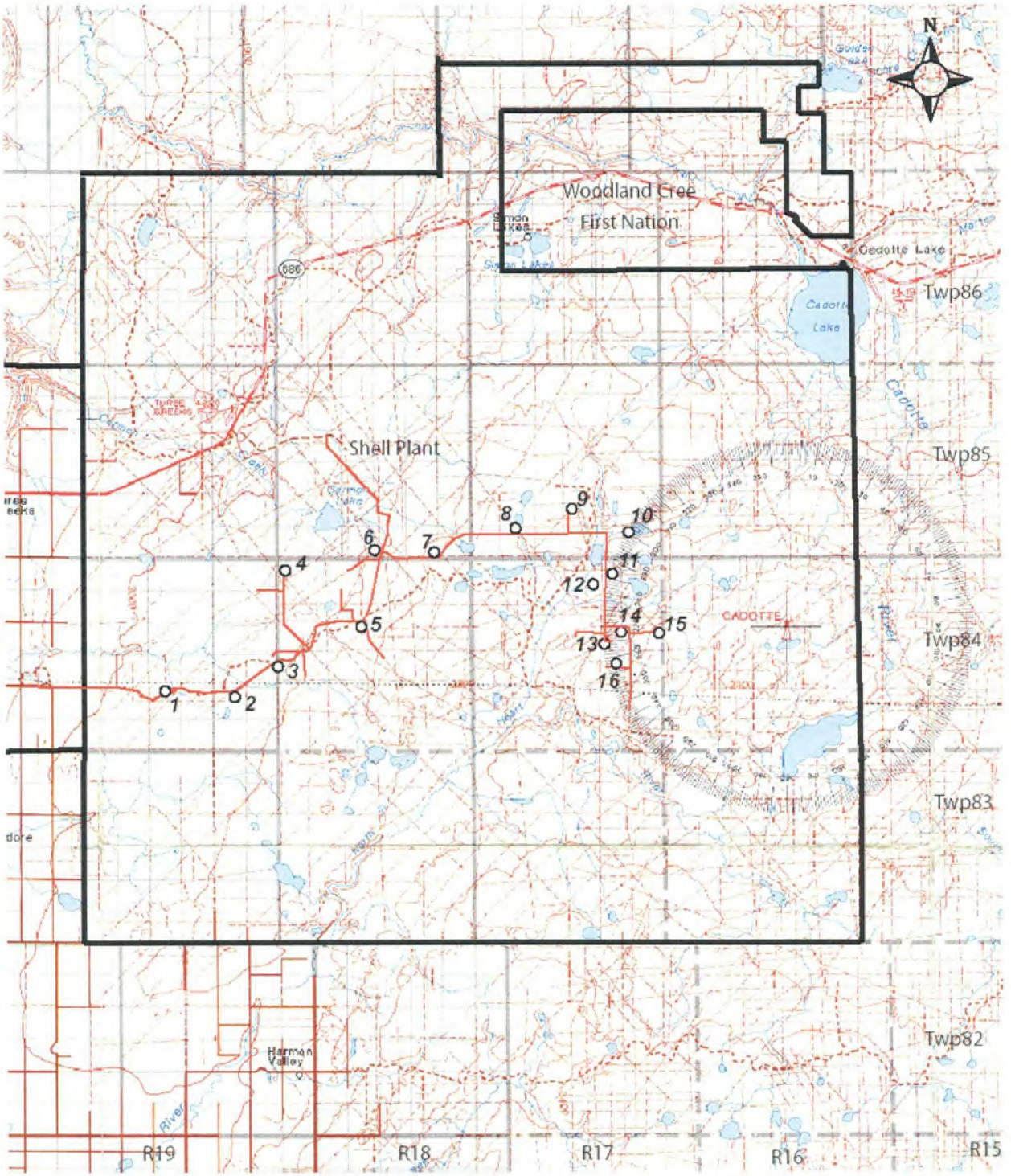
Table 4 – Overburden Holes Details

Hole #	LSD Location	Northing (mN)	Easting (mE)	Elevation (m)	Depth to Bedrock (m)	TD (m)
Site#1	10-09-84-19-5	0503920	6236349	622	76.2	91.4
Site#2	14-11-84-19-5	0506750	6236507	649	25.9	36.6
Site#3	06-13-84-19-5	0508383	6237400	633	32.3	48.8
Site#4	12-31-94-18-5	0509694	6242748	620	73.2	54.3
Site#5	15-21-84-18-5	0513711	6240046	656	54.9	45..7
Site#6	05-03-85-18-5	0514629	6243906	642	42.7	29.8

The drilling contractor selected Hopper Water Drilling Ltd., of Grande Prairie, Alberta. Hopper is an experienced professional water well drilling company with experience in the area. Their equipment (Ingersoll Rand TH70) was capable of drilling a 14 cm to a vertical depth of 457 m. Holes deeper than 152 m require the use of a Blow Out Preventer ("BOP"). The addition of a BOP would add significant to hole drilling cost. The holes were drill using rotary air mixture water. The water used was fresh water, obtained from a commercial Water hauler from Nampa, Alberta. Water volumes used were very low, which permitted us not to have use nearby surface water, which we were permitted to do under Licence to Temporary Divert Water #00246640-00-00. Holes were filed with cuttings and / or Bentonite and capped with cement.

The material collected for sampling varied from very fine clay to fragments up to 1.5 X 3.0 cm in size. The till usually quickly liquefied to produce a clay slurry. There was no shortage of material on surface for sampling. The upper 8 m of the hole was not sampled because it may have been contaminated by past activities at the site. Several sand seams under artesian pressure flowed to surface. Several artesian aquifers produced significant amounts of fresh water from near surface. These zones were cased off and the hole continued without much delay. Casing was advanced with a hamper drive very quickly. Flowing water and sand had presented serious problems to previous drilling operation by other operators in the area. There was likely some contamination between the shallower parts of the hole, as the hole advanced. The hole could have been more fully cased but this was viewed as not required at this point in time. The rig is likely capable of coring with the right equipment.

Proposed Locations - Overburden 2008



Drill sites were prepared with a small D-3 caterpillar tractor to plow snow. Holes off of the County road required snow fill to cross the ditch. Later holes required mattes as the frost was coming out of the ground. No trees were cut during this program as drill sites were selected to minimize terrain disturbance in previous cleared areas. Very little evidence of the program remained at the drill sites after moving off of the hole.

Holes at Site #4, Site #5, and Site #6 revealed overburden thickness of between 29.8 and 54.3 m, within the depths projected. Till composition clearly is not uniform across the property. Several shallow sand seams exist which produced water. Drill logs are provided in Appendix 5. Indicator mineral processing and 30-element ICP analysis is pending.

4.0 Discussion & Conclusions

The Peace River Diamond Play represents an exciting diamond play. With the proper use of exploration tools in an integrated fashion, it should be possible to effectively explore in the area. The presence of numerous kimberlitic indicators from samples collected by government (Paulen et al, 2005) and industry (Hawkins, 1994b) in areas at distance from known Kimberlites suggests are as yet undiscovered pipes to the SW of the known Diamondex / Shore Gold (Ashton) pipes.

The anomalous indicator minerals present in sample PH33 may be related to pipes further to the NE. Known down ice transport of indicators is apparent in government regional data sets (Paulel et al., 2005). This area because of its close proximity to the Woodland Cree First Nation is not a high priority at this time.

The area north of the Shell Cliffdale Complex remains a high priority area with its several anomalous samples. The poor results from Loring were a significant disappointment. The area should be examined in more detail with regards to surficial features. Further field work, will await a more reasonable road use agreement from Shell.

Concentrates from the drilling conducted in 1993 (Hawkins, 1993a) just west of the old Shell Plant (Twp85R18W5) should be recovered and examined for Olivine if possible. The extent and occurrence of the buried channel present there, is a high priority area for further work.

Past work has identified a number of areas of interest, which warrant further work. Given the overburden thickness of 30 to 60 m, it is possible to explore the area at a reasonable cost. This cost will be higher than areas of thinner overburden, but still reasonable.

A major decision point will be the recovery of anomalous indicators from the bedrock inter-phase of the six Overburden holes completed this past March. Significant further exploration is required if positive results are obtained and warranted to follow-up on these results. A workable road use agreement with Shell will have to be obtained.

4.1 Recommended Program

The Phase I program will consist of follow-up to the success of recovery of Kimberlitic indicators in till. A significant part of this will be orientation surveys to test the anomalous till sample sites. The recovery of heavy mineral concentrates from 1993 should be undertaken and e-examined. Completion of the indicator mineral processing from the first six holes is going A modest program of further overburden drilling will be included to define the anomalous kimberlitic indicators and till stratigraphy. Ground geophysics (magnetics, EM and gravity) should be conducted over airborne geophysical targets in the area of anomalous kimberlitic indicators minerals.

For Phase II an airborne geophysics suite will be flown consisting of high-resolution magnetics and EM. The main part of phase II program will consist of diamond drilling. This program would given expected ground conditions, likely be a fall to winter program. Some drill sites will be road accessible while others will be winter access only. The Phase II program is largely contingent on positive results from Phase I.

Table 5
Cost Estimate

Phase I

Overburden Drilling	$200,000
Heavy Mineral Sampling and Processing	$ 50,000
Ground Geophysics (Magnetic, EM, Gravity)	$100,000
Project Management	$ 50,000
Phase I Total =	$400,000

Phase II

Airborne Geophysics	$200,000
Diamond Drilling	$350,000
Supervision an Project Management	$ 50,000
Phase II Total =	$600,000

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CERTIFICATE of AUTHOR

I, Paul A. Hawkins, $B.Sc_{(Eng)}$., P. Eng., do hereby certify that:

1. I am Principal in the firm of: Paul A. Hawkins & Associates Ltd.
   72 Strathlorne Cr. SW.,
   Calgary, AB T3H 1M8

2. I graduated with a Bachelor of Science degree in Geological Engineering from the Queen's University in 1977.

3. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta and the Association of Professional Engineers and Geoscientists of the Province of British Columbia and the Association of Professional Engineers of Ontario.

4. I have worked as a geological engineer for a total of 31 years since my graduation from university.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101. I have prepared several papers on Diamond Exploration in Peace River, which were presented at the CIMM Annual meeting and the 1994 Calgary Mining Forum.

6. I am responsible for the preparation of all sections of the report. I have visited property in January 2005 for five days and September / October 2005 for six days, June 2006 for nine days, June 2007 for seven days, October 2007 for 5 days, January 2008 for 5 days and February / March 2008 for 24 days. Previous to that I have been on the property numerous times (40 days in total) during 1992 and 1997.

7. During 1992 to 1996, I acted as project Manager for Consolidated Carina for their property, which covers some of the same land. I have held the property in Trust for the company and or JV partners but retained no interest whatsoever in the property. I am retained on a fee for service basis only. I do not own any stock in either company, nor do I expect to receive any.

Dated this 12th Day of May 2008.

Paul A. Hawkins, P.Eng.

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Appendix 1A - SRC Probe Results

Lot #06-167 Samples: T-5, T-6, T-7, PH22, PH23, PH24
Lot #06-700 Samples: T-2, T-3, T10, T-11, PH30, PH31
Lot #06-701 Samples: PH21, PH27, PH29, PH32, PH33
Lot #06-810 Samples: PH48, PH49, PH50
Lot #06-868 Samples: PH40 to PH 47

Appendix 1B - SRC Indicator Mineral Processinge Results

Lot #07-25 Samples: PH69, PH70
Lot #07-819 Samples: PH070, PH71A, PH71B, PH72, PH73, PH74, PH75, PH76, PH77
Lot #08-343 Samples: PH090

Appendix 1C - ODM Processing Results

Batch #3970 Samples: PH89, PH90, PH91

Appendix 1D - Loring Probe Results

File # 5028-D Samples: PH 11 - PH20, PH25 & PH26

Garnets/cpx

Oxide Pt#	Percent SiO2	TiO2	Al2O3	Cr2O3	FeO	MgO	MnO	CaO	Na2O	Total	Project	Sample label
	50.70	0.40	7.40	0.81	4.80	16.62	0.11	17.61	0.79	99.24		Smithsonian Cr augite
	39.91	0.03	22.09	0.00	22.98	10.43	0.44	4.34	0.01	100.24		Mt Gore garnet
	41.87	0.98	20.94	0.79	11.01	18.80	0.27	5.00	0.07	99.73		Stag garnet
1	42.19	0.28	20.13	4.30	7.55	20.91	0.36	4.57	0.06	100.36	06-167	05T06 LE #1 pyr-p
2	55.23	0.00	0.93	0.42	4.17	16.44	0.17	21.54	0.42	99.32	06-868	090 PH-40 LB #1 pos c. d.
3	41.96	0.06	20.30	4.27	8.87	19.12	0.53	5.01	0.02	100.13		090 PH42 CLF #1 pyr-p
4	55.51	0.14	0.63	0.75	2.98	16.27	0.08	21.77	0.88	99.03		090 PH-43 LB #1 c. d.
5	41.90	0.00	18.83	6.57	8.23	18.21	0.60	6.45	0.02	100.82		090 PH44 NV #1 pyr-p
6	42.33	0.05	20.46	4.21	8.14	19.07	0.48	5.03	0.00	99.77		090 PH46 #1 pyr-p
7	42.95	0.44	20.26	3.13	8.12	21.18	0.32	3.95	0.06	100.40	06-701	090 PH-33 RD #1 pyr-p
8	42.51	0.45	19.54	3.78	7.16	20.96	0.34	4.99	0.05	99.77		090 PH-33 RD #2 pyr-p
9	41.99	0.98	20.22	2.47	9.16	20.24	0.34	4.69	0.07	100.17		090 PH-33 RD #3 pyr-p
10	42.63	0.90	21.15	1.04	10.50	19.92	0.29	4.28	0.09	100.80		090 PH-33 RD #4 pyr-p
11	41.33	0.17	16.95	8.35	8.29	17.19	0.52	7.30	0.01	100.11		090 PH-28 CF #1 pyr-p
12	42.40	0.00	20.21	4.92	8.07	19.06	0.58	5.04	0.01	100.29	06-700	OST-10 CLF #2 pyr-p
13	42.35	0.71	20.93	2.31	7.82	19.70	0.31	5.97	0.05	100.15	06-818	213PH-051 CLF #1 pyr-p
14	41.69	0.15	18.08	7.07	8.46	17.87	0.62	6.72	0.04	100.68		213PH-051 CLF #2 pyr-p
15	42.15	0.00	19.12	5.82	7.45	18.94	0.46	5.76	0.01	99.72		213PH-051 CLF #3 pyr-p
16	41.80	0.00	18.61	7.04	8.02	17.17	0.50	6.68	0.01	99.83		213PH-051 CLF #4 pyr-p
17	42.29	0.24	20.53	3.41	7.93	19.52	0.49	4.62	0.04	99.07	06-810	090 PH-049 KA #1 pyr-p
18	41.71	0.00	18.44	7.38	8.22	17.62	0.67	6.00	0.03	100.08		090 PH-049 KA #2 pyr-p
19	42.35	0.00	19.56	5.59	7.13	19.32	0.47	5.42	0.03	99.86		090 PH-049 KA #3 pyr-p
20	41.50	0.08	14.86	11.06	6.76	18.71	0.33	6.78	0.02	100.09		090 PH-049 KA #4 pyr-p
21	55.10	0.07	1.03	1.33	5.04	14.61	0.18	19.58	1.80	98.74		090 PH-049 KA #10 c. d.
22	37.32	0.55	9.36	13.82	5.13	0.37	0.78	31.49	0.02	98.87		090 PH-049 KA ? uvarovite
23	43.05	0.52	20.82	2.05	7.57	21.20	0.33	4.07	0.07	99.68		090 PH-050 TV #1 pyr-p
24	42.30	0.09	20.50	3.46	8.38	19.70	0.48	4.84	0.02	99.78		090 PH-050 TV #2 pyr-p
25	41.65	0.00	18.43	6.64	7.95	17.72	0.52	6.42	0.01	99.34		090 PH-050 TV #3 pyr-p

Weight Pt#	Percent Si	Quant Ti	Al	Cr	Fe	Mg	Mn	Ca	Na	O	Total	Project	Sample label
	23.70	0.24	3.92	0.56	3.73	10.03	0.08	12.59	0.59	43.82	99.24		Smithsonian Cr augite
	18.66	0.02	11.69	0.00	17.86	6.29	0.34	3.10	0.01	42.27	100.24		Mt Gore garnet
	19.57	0.58	11.08	0.54	8.56	11.34	0.21	3.57	0.05	44.22	99.73		Stag garnet
1	19.72	0.17	10.65	2.94	5.87	12.61	0.28	3.27	0.05	44.80	100.36	06-167	05T06 LE #1 pyr-p
2	25.82	0.00	0.49	0.29	3.24	9.92	0.13	15.40	0.31	43.73	99.32	06-868	090 PH-40 LB #1 pos c. d.
3	19.61	0.03	10.74	2.92	6.89	11.53	0.41	3.58	0.02	44.39	100.13		090 PH42 CLF #1 pyr-p
4	25.95	0.08	0.34	0.51	2.32	9.82	0.06	15.56	0.66	43.74	99.03		090 PH-43 LB #1 c. d.
5	19.59	0.00	9.97	4.50	6.40	10.98	0.46	4.61	0.02	44.30	100.82		090 PH44 NV #1 pyr-p
6	19.79	0.03	10.83	2.88	6.32	11.50	0.37	3.60	0.00	44.45	99.77		090 PH46 #1 pyr-p
7	20.08	0.26	10.72	2.14	6.31	12.77	0.25	2.82	0.05	45.00	100.40	06-701	090 PH-33 RD #1 pyr-p
8	19.87	0.27	10.34	2.59	5.57	12.64	0.26	3.57	0.03	44.64	99.77		090 PH-33 RD #2 pyr-p
9	19.63	0.59	10.70	1.69	7.12	12.21	0.27	3.35	0.05	44.56	100.17		090 PH-33 RD #3 pyr-p
10	19.93	0.54	11.19	0.71	8.16	12.01	0.23	3.06	0.06	44.90	100.80		090 PH-33 RD #4 pyr-p
11	19.32	0.10	8.97	5.71	6.44	10.37	0.40	5.22	0.01	43.57	100.11		090 PH-28 CF #1 pyr-p
12	19.82	0.00	10.70	3.36	6.27	11.50	0.45	3.60	0.01	44.58	100.29	06-700	OST-10 CLF #2 pyr-p
13	19.79	0.43	11.08	1.58	6.08	11.88	0.24	4.27	0.03	44.77	100.15	06-818	213PH-051 CLF #1 pyr-p
14	19.49	0.09	9.57	4.84	6.58	10.77	0.48	4.80	0.03	44.04	100.68		213PH-051 CLF #2 pyr-p
15	19.70	0.00	10.12	3.98	5.79	11.42	0.36	4.12	0.01	44.22	99.72		213PH-051 CLF #3 pyr-p
16	19.54	0.00	9.85	4.81	6.24	10.36	0.39	4.78	0.01	43.87	99.83		213PH-051 CLF #4 pyr-p
17	19.77	0.14	10.87	2.33	6.17	11.77	0.38	3.30	0.03	44.31	99.07	06-810	090 PH-049 KA #1 pyr-p
18	19.50	0.00	9.76	5.05	6.39	10.63	0.52	4.29	0.02	43.92	100.08		090 PH-049 KA #2 pyr-p
19	19.79	0.00	10.35	3.82	5.54	11.65	0.37	3.87	0.02	44.44	99.86		090 PH-049 KA #3 pyr-p
20	19.40	0.05	7.86	7.57	5.25	11.29	0.26	4.84	0.01	43.56	100.09		090 PH-049 KA #4 pyr-p
21	25.76	0.04	0.55	0.91	3.92	8.81	0.14	13.99	1.34	43.29	98.74		090 PH-049 KA #10 c. d.
22	17.45	0.33	4.95	9.46	3.99	0.23	0.61	22.51	0.02	39.33	98.87		090 PH-049 KA ? uvarovite
23	20.12	0.31	11.02	1.40	5.89	12.78	0.25	2.91	0.05	44.94	99.68		090 PH-050 TV #1 pyr-p
24	19.77	0.06	10.85	2.37	6.51	11.88	0.37	3.46	0.02	44.49	99.78		090 PH-050 TV #2 pyr-p
25	19.47	0.00	9.75	4.55	6.18	10.69	0.40	4.59	0.01	43.71	99.34		090 PH-050 TV #3 PYR

Note: 06-701 sample 090 PH-33 RD #5 eclogitic garnet ia an almandine and was not analyzed
06-810 sample 090 PH-49 KA ? was an extra grain found with 090 PH-49 KA #14 chromite

olivines

Oxide Pt#	Percent SiO2	TiO2	Al2O3	Cr2O3	FeO	MgO	MnO	NiO	CaO	Na2O	Total	Project	Sample label	Fo
	41.17	0.00	0.00	0.00	7.27	51.02	0.09	0.41	0.01	0.00	99.98		SPI olivine	
1	41.48	0.00	0.01	0.03	8.13	49.24	0.08	0.38	0.05	0.01	99.43	06-167	05T06 LE #2 OLIV	0.88
2	41.15	0.02	0.00	0.00	9.39	48.19	0.14	0.36	0.02	0.00	99.28		05T06 LE #3 OLIV	0.86
3	40.57	0.00	0.01	0.00	11.04	46.44	0.18	0.34	0.01	0.00	98.60		090 PH-24 TV #1 OL	0.84
4	41.94	0.00	0.00	0.00	6.94	50.19	0.10	0.41	0.00	0.00	99.58		090 PH-24 TV #2 OL	0.81
5	41.69	0.03	0.00	0.00	8.44	48.87	0.15	0.37	0.02	0.02	99.59		090 PH-24 TV #3 OL	0.88
6	41.43	0.00	0.00	0.00	9.18	48.22	0.17	0.33	0.03	0.03	99.40		090 PH-24 TV #4 OL	0.85
7	41.64	0.01	0.01	0.06	8.00	50.07	0.12	0.36	0.04	0.03	100.34		090 PH-24 TV #5 OL	0.84
8	41.51	0.00	0.00	0.03	7.59	50.28	0.14	0.40	0.01	0.02	99.98		090 PH-24 TV #6 OL	0.86
9	40.89	0.00	0.01	0.00	7.33	50.12	0.12	0.38	0.02	0.03	98.89		090 PH-24 TV #7 OL	0.87
10	41.20	0.00	0.00	0.00	8.04	49.28	0.11	0.35	0.04	0.04	99.06		090 PH-24 TV #8 OL	0.87
11	40.33	0.00	0.04	0.03	14.01	43.72	0.20	0.21	0.24	0.01	98.78		090 PH-22 TV #1 OL	0.86
12	38.53	0.02	0.02	0.04	19.67	40.56	0.27	0.27	0.19	0.01	99.58		090 PH-22 TV #2 OL	0.76
13	39.51	0.03	0.02	0.04	17.72	41.69	0.27	0.24	0.20	0.01	99.72		090 PH-22 TV #3 OL	0.67
14	39.69	0.00	0.08	0.05	16.60	42.70	0.22	0.26	0.24	0.01	99.85		090 PH-22 TV #4 OL	0.70
15	39.34	0.00	0.03	0.04	18.84	40.44	0.26	0.29	0.21	0.02	99.46		090 PH-22 TV #5 OL	0.72
16	39.59	0.00	0.04	0.03	15.47	43.78	0.21	0.25	0.21	0.01	99.60		090 PH-22 TV #6 OL	0.68
17	40.70	0.01	0.00	0.00	11.40	46.15	0.18	0.35	0.01	0.01	98.81	06-868	090 PH-44 NV#2 OLI	0.74
18	41.57	0.00	0.01	0.07	7.62	48.93	0.11	0.34	0.06	0.04	98.75		090 PH-45 CLF #2 O	0.80
19	41.13	0.00	0.00	0.00	7.74	49.70	0.12	0.34	0.00	0.00	99.03	06-701	090 PH-021 KA #1 O	0.87
20	41.42	0.00	0.00	0.00	8.07	49.04	0.13	0.40	0.01	0.02	99.09		090 PH-021 KA #2 O	0.87
21	41.62	0.00	0.00	0.02	6.85	50.09	0.10	0.40	0.03	0.00	99.12		090 PH-33 RD #6 OL	0.86
22	40.38	0.01	0.00	0.00	10.57	48.25	0.11	0.36	0.02	0.00	99.70		090 PH-33 RD #7 OL	0.88
23	41.84	0.01	0.00	0.00	6.84	49.95	0.08	0.40	0.03	0.01	99.17		090 PH-33 RD #8 OL	0.82
24	40.95	0.02	0.00	0.02	10.18	47.94	0.17	0.40	0.01	0.00	99.69		090 PH-33 RD #9 OL	0.88
25	40.89	0.01	0.00	0.02	10.51	47.79	0.15	0.41	0.01	0.01	99.79		090 PH-33 RD #10 O	0.82
26	40.94	0.00	0.00	0.04	8.01	50.16	0.11	0.42	0.00	0.01	99.69		090 PH-33 RD #11 O	0.82
27	41.65	0.00	0.02	0.06	7.71	49.48	0.13	0.35	0.07	0.00	99.47		090 PH-33 RD #12 O	0.86
28	41.47	0.00	0.00	0.00	7.41	50.69	0.14	0.39	0.01	0.01	100.12		090 PH-33 RD #13 O	0.87
29	41.42	0.02	0.00	0.02	7.79	48.93	0.11	0.38	0.00	0.00	98.68		090 PH-33 RD #14 O	0.87
30	41.36	0.00	0.00	0.01	8.44	49.84	0.18	0.36	0.00	0.00	100.20		090 PH-33 RD #15 O	0.86
31	41.13	0.00	0.00	0.02	8.55	49.35	0.15	0.42	0.02	0.01	99.64		090 PH-33 RD #16 O	0.86
32	41.37	0.00	0.00	0.01	6.94	50.25	0.13	0.36	0.02	0.02	99.09		090 PH-33 RD #17 O	0.85
33	41.16	0.00	0.00	0.03	8.51	49.29	0.15	0.40	0.00	0.00	99.52		090 PH-33 RD #18 O	0.88
34	41.50	0.03	0.00	0.00	8.17	49.42	0.14	0.32	0.01	0.02	99.61		090 PH-33 RD #19 O	0.85
35	40.65	0.00	0.00	0.00	10.37	48.08	0.15	0.38	0.00	0.00	99.64		090 PH-33 RD #20 O	0.86
36	41.41	0.00	0.00	0.01	7.72	49.41	0.15	0.36	0.01	0.00	99.07		090 PH-33 RD #21 O	0.82
37	40.84	0.00	0.01	0.04	9.95	48.15	0.19	0.33	0.02	0.01	99.56		090 PH-33 RD #22 O	0.86
38	41.32	0.00	0.00	0.02	8.76	49.47	0.19	0.36	0.04	0.00	100.15		090 PH-33 RD #23 O	0.83
39	41.14	0.04	0.00	0.04	9.25	48.52	0.13	0.36	0.04	0.04	99.57		090 PH-33 RD #24 O	0.85
40	40.45	0.00	0.00	0.01	9.28	49.00	0.15	0.39	0.02	0.01	99.31		090 PH-33 RD #25 O	0.84
41	41.29	0.00	0.04	0.08	8.65	48.43	0.12	0.38	0.07	0.02	99.08		090 PH-33 RD #26 O	0.84
42	41.14	0.00	0.01	0.01	8.99	49.17	0.12	0.43	0.01	0.02	99.89		090 PH-33 RD #27 O	0.85
43	41.12	0.00	0.01	0.00	8.25	49.04	0.17	0.38	0.03	0.01	99.00		090 PH-33 RD #28 O	0.85
44	41.36	0.00	0.00	0.03	8.86	48.43	0.17	0.36	0.02	0.01	99.24		090 PH-32 #1 OLIV	0.86
45	41.44	0.00	0.01	0.01	8.05	49.38	0.13	0.37	0.01	0.01	99.40		090 PH-32 #2 OLIV	0.85
46	40.51	0.02	0.01	0.04	12.10	46.83	0.26	0.40	0.01	0.00	100.18		090 PH-32 #3 OLIV	0.86
47	41.11	0.00	0.03	0.03	8.81	48.28	0.12	0.41	0.06	0.03	98.88		090 PH-28 CF #2 OL	0.79
48	41.13	0.00	0.01	0.01	9.70	47.21	0.19	0.27	0.03	0.00	98.55		090 PH-28 CF #3 OL	0.85
49	40.88	0.00	0.01	0.00	8.58	49.86	0.14	0.41	0.00	0.01	99.90	06-700	OST-10 CLF #1 OLIV	0.83
50	40.94	0.00	0.00	0.00	9.74	48.61	0.20	0.34	0.02	0.00	99.84		OST-11 LE #1 OLIV	0.85
51	41.40	0.00	0.00	0.01	8.90	47.81	0.18	0.36	0.01	0.01	98.67	06-818	213 PH-51 CLF #6 O	0.83
52	40.80	0.04	0.01	0.08	8.66	50.00	0.12	0.39	0.05	0.02	100.17	06-810	090 PH-049 KA #5 O	0.84
53	40.95	0.00	0.00	0.02	9.46	48.33	0.20	0.37	0.00	0.00	99.34		090 PH-049 KA #6 O	0.85
54	41.18	0.00	0.03	0.07	8.13	48.97	0.12	0.40	0.06	0.03	98.98		090 PH-049 KA #7 O	0.84
55	40.84	0.00	0.00	0.04	9.93	47.59	0.11	0.37	0.06	0.02	98.96		090 PH-049 KA #8 O	0.86
56	41.09	0.00	0.02	0.08	8.43	49.61	0.13	0.38	0.07	0.02	99.84		090 PH-049 KA #9 O	0.83
57	41.00	0.00	0.00	0.03	7.54	50.58	0.11	0.37	0.03	0.00	99.66		090 PH-050 TV #4 OI	0.85
58	40.63	0.00	0.00	0.01	9.63	48.48	0.12	0.37	0.05	0.00	99.28		090 PH-050 TV #5 OI	0.87
59	41.43	0.00	0.00	0.02	8.40	49.54	0.10	0.40	0.03	0.00	99.91		090 PH-050 TV #6 OI	0.83
60	41.01	0.02	0.00	0.00	9.99	47.45	0.12	0.32	0.07	0.02	98.97		090 PH-050 TV #7 OI	0.86
61	40.76	0.00	0.02	0.01	10.10	48.14	0.15	0.36	0.04	0.02	99.60		090 PH-050 TV #8 OI	0.83
62	40.79	0.00	0.00	0.00	8.64	48.97	0.09	0.40	0.00	0.02	98.90		090 PH-050 TV #9 OI	0.83
63	40.76	0.00	0.00	0.04	7.74	49.69	0.15	0.36	0.01	0.02	98.75		090 PH-050 TV #10 (	0.85
64	41.07	0.00	0.00	0.02	7.44	50.23	0.08	0.41	0.03	0.02	99.31		090 PH-050 TV #11 (	0.87
65	40.71	0.00	0.00	0.01	9.05	48.49	0.19	0.35	0.01	0.01	98.83		090 PH-050 TV #12 (	0.87
66	40.95	0.00	0.00	0.00	8.31	49.04	0.18	0.39	0.00	0.01	98.89		090 PH-050 TV #13 (	0.84
67	41.20	0.00	0.00	0.02	7.87	50.44	0.13	0.42	0.00	0.01	100.09		090 PH-050 TV #14 (	0.86
68	40.18	0.00	0.00	0.05	8.36	49.48	0.14	0.40	0.04	0.01	98.65		090 PH-050 TV #15 (	0.87
69	40.48	0.00	0.03	0.09	9.20	48.63	0.10	0.40	0.07	0.04	99.04		090 PH-050 TV #16 (	0.86
70	40.74	0.00	0.02	0.06	8.33	49.12	0.10	0.41	0.07	0.04	98.90		090 PH-050 TV #17 (	0.84
71	41.12	0.03	0.00	0.00	8.22	49.44	0.14	0.39	0.00	0.00	99.35		090 PH-050 NV #24 (	0.86
72	40.72	0.00	0.03	0.07	8.83	48.32	0.14	0.41	0.04	0.04	98.60		090 PH-050 NV #25 (	0.86
73	38.66	0.00	0.00	0.00	17.73	41.78	0.24	0.24	0.02	0.07	98.73		090 PH-050 NV #26 (	0.85
74	41.00	0.00	0.02	0.08	8.11	49.25	0.13	0.36	0.07	0.02	99.02		090 PH-050 NV #27 (	0.70
75	40.66	0.04	0.00	0.00	9.60	47.64	0.13	0.40	0.03	0.01	98.51		090 PH-050 NV #28 (	0.86
76	40.97	0.00	0.00	0.08	9.28	48.09	0.14	0.39	0.06	0.01	99.00		090 PH-050 NV #29 (	0.83
	40.87	0.00	0.01	0.00	9.22	49.29	0.15	0.39	0.02	0.01	99.98		Harvard olivine	
	41.24	0.00	0.00	0.02	7.69	50.49	0.12	0.42	0.00	0.01	99.99		SPI olivine	

Weight Pt#	Percent Si	Ti	Al	Cr	Fe	Mg	Mn	Ni	Ca	Na	O	Total	Project	Sample label
	19.24	0.00	0.00	0.00	5.65	30.77	0.07	0.32	0.01	0.00	43.91	99.98		SPI olivine
1	19.39	0.00	0.01	0.02	6.32	29.70	0.07	0.30	0.04	0.01	43.58	99.43	06-167	05T06 LE #2 OLIV
2	19.23	0.01	0.00	0.00	7.30	29.06	0.11	0.29	0.01	0.00	43.26	99.28		05T06 LE #3 OLIV
3	18.97	0.00	0.00	0.00	8.58	28.01	0.14	0.27	0.01	0.00	42.62	98.60		090 PH-24 TV #1 OLIV
4	19.60	0.00	0.00	0.00	5.39	30.27	0.08	0.32	0.00	0.00	43.91	99.58		090 PH-24 TV #2 OLIV
5	19.49	0.02	0.00	0.00	6.56	29.46	0.12	0.29	0.01	0.01	43.63	99.59		090 PH-24 TV #3 OLIV
6	19.37	0.00	0.00	0.00	7.13	29.08	0.13	0.26	0.02	0.02	43.37	99.40		090 PH-24 TV #4 OLIV
7	19.46	0.01	0.01	0.04	6.22	30.20	0.09	0.28	0.03	0.02	43.98	100.34		090 PH-24 TV #5 OLIV
8	19.41	0.00	0.00	0.02	5.90	30.32	0.10	0.31	0.01	0.02	43.89	99.98		090 PH-24 TV #6 OLIV
9	19.11	0.00	0.00	0.00	5.70	30.23	0.09	0.30	0.01	0.02	43.42	98.89		090 PH-24 TV #7 OLIV
10	19.26	0.00	0.00	0.00	6.25	29.72	0.09	0.27	0.03	0.03	43.41	99.06		090 PH-24 TV #8 OLIV
11	18.85	0.00	0.02	0.02	10.89	26.36	0.16	0.16	0.17	0.01	42.14	98.78		090 PH-22 TV #1 OLIV
12	18.01	0.01	0.01	0.03	15.29	24.44	0.21	0.21	0.13	0.01	41.22	99.58		090 PH-22 TV #2 OLIV
13	18.47	0.02	0.01	0.03	13.77	25.14	0.21	0.19	0.14	0.01	41.74	99.72		090 PH-22 TV #3 OLIV
14	18.55	0.00	0.04	0.04	12.90	25.74	0.17	0.21	0.17	0.01	42.03	99.85		090 PH-22 TV #4 OLIV
15	18.39	0.00	0.01	0.03	14.64	24.37	0.20	0.23	0.15	0.01	41.42	99.46		090 PH-22 TV #5 OLIV
16	18.51	0.00	0.02	0.02	12.03	26.41	0.17	0.19	0.15	0.01	42.10	99.60		090 PH-22 TV #6 OLIV
17	19.02	0.00	0.00	0.00	8.86	27.83	0.14	0.28	0.01	0.01	42.66	98.81	06-868	090 PH-44 NV#2 OLIV
18	19.43	0.00	0.00	0.04	5.92	29.51	0.08	0.27	0.05	0.03	43.41	98.75		090 PH-45 CLF #2 OLIV
19	19.22	0.00	0.00	0.00	6.01	29.98	0.09	0.27	0.00	0.00	43.45	99.03	06-701	090 PH-021 KA #1 OLIV
20	19.36	0.00	0.00	0.00	6.27	29.58	0.10	0.32	0.01	0.01	43.44	99.09		090 PH-021 KA #2 OLIV
21	19.46	0.00	0.00	0.01	5.33	30.21	0.07	0.32	0.02	0.00	43.70	99.12		090 PH-33 RD #6 OLIV
22	18.87	0.00	0.00	0.00	8.21	29.10	0.09	0.28	0.02	0.00	43.12	99.70		090 PH-33 RD #7 OLIV
23	19.56	0.00	0.00	0.00	5.32	30.13	0.07	0.31	0.02	0.01	43.75	99.17		090 PH-33 RD #8 OLIV
24	19.14	0.01	0.00	0.01	7.91	28.92	0.13	0.31	0.01	0.00	43.24	99.69		090 PH-33 RD #9 OLIV
25	19.11	0.00	0.00	0.01	8.17	28.82	0.12	0.32	0.01	0.01	43.22	99.79		090 PH-33 RD #10 OLIV
26	19.14	0.00	0.00	0.03	6.23	30.25	0.08	0.33	0.00	0.01	43.62	99.69		090 PH-33 RD #11 OLIV
27	19.47	0.00	0.01	0.04	5.99	29.84	0.10	0.28	0.05	0.00	43.69	99.47		090 PH-33 RD #12 OLIV
28	19.38	0.00	0.00	0.00	5.76	30.57	0.11	0.31	0.01	0.01	43.97	100.12		090 PH-33 RD #13 OLIV
29	19.36	0.01	0.00	0.01	6.06	29.51	0.08	0.30	0.00	0.00	43.34	98.68		090 PH-33 RD #14 OLIV
30	19.33	0.00	0.00	0.01	6.56	30.06	0.14	0.28	0.00	0.00	43.81	100.20		090 PH-33 RD #15 OLIV
31	19.23	0.00	0.00	0.01	6.65	29.76	0.11	0.33	0.01	0.01	43.53	99.64		090 PH-33 RD #16 OLIV
32	19.34	0.00	0.00	0.01	5.39	30.31	0.10	0.29	0.01	0.01	43.64	99.09		090 PH-33 RD #17 OLIV
33	19.24	0.00	0.00	0.02	6.61	29.71	0.11	0.31	0.00	0.00	43.52	99.52		090 PH-33 RD #18 OLIV
34	19.40	0.02	0.00	0.00	6.35	29.79	0.11	0.25	0.01	0.01	43.67	99.61		090 PH-33 RD #19 OLIV
35	19.00	0.00	0.00	0.00	8.06	29.00	0.12	0.30	0.00	0.00	43.16	99.64		090 PH-33 RD #20 OLIV
36	19.36	0.00	0.00	0.01	6.00	29.80	0.12	0.28	0.01	0.00	43.50	99.07		090 PH-33 RD #21 OLIV
37	19.09	0.00	0.00	0.03	7.74	29.04	0.15	0.26	0.01	0.01	43.22	99.56		090 PH-33 RD #22 OLIV
38	19.31	0.00	0.00	0.01	6.81	29.83	0.14	0.28	0.03	0.00	43.72	100.15		090 PH-33 RD #23 OLIV
39	19.23	0.03	0.00	0.03	7.19	29.26	0.10	0.28	0.03	0.03	43.39	99.57		090 PH-33 RD #24 OLIV
40	18.91	0.00	0.00	0.00	7.22	29.55	0.12	0.31	0.01	0.01	43.18	99.31		090 PH-33 RD #25 OLIV
41	19.30	0.00	0.02	0.05	6.73	29.21	0.09	0.30	0.05	0.01	43.32	99.08		090 PH-33 RD #26 OLIV
42	19.23	0.00	0.00	0.01	6.99	29.65	0.09	0.34	0.01	0.01	43.56	99.89		090 PH-33 RD #27 OLIV
43	19.22	0.00	0.00	0.00	6.41	29.58	0.13	0.30	0.02	0.00	43.33	99.00		090 PH-33 RD #28 OLIV
44	19.33	0.00	0.00	0.02	6.89	29.21	0.13	0.28	0.01	0.01	43.35	99.24		090 PH-32 #1 OLIV
45	19.37	0.00	0.00	0.01	6.26	29.78	0.10	0.29	0.00	0.01	43.58	99.40		090 PH-32 #2 OLIV
46	18.94	0.01	0.00	0.03	9.40	28.24	0.20	0.32	0.01	0.00	43.03	100.18		090 PH-32 #3 OLIV
47	19.22	0.00	0.01	0.02	6.85	29.12	0.09	0.32	0.04	0.02	43.18	98.88		090 PH-28 CF #2 OLIV
48	19.23	0.00	0.01	0.01	7.54	28.47	0.15	0.21	0.02	0.00	42.92	98.55		090 PH-28 CF #3 OLIV
49	19.11	0.00	0.01	0.00	6.67	30.07	0.11	0.32	0.00	0.01	43.60	99.90	06-700	OST-10 CLF #1 OLIV
50	19.14	0.00	0.00	0.00	7.57	29.32	0.15	0.26	0.01	0.00	43.39	99.84		OST-11 LE #1 OLIV
51	19.35	0.00	0.00	0.01	6.92	28.83	0.14	0.28	0.01	0.01	43.13	98.67	06-818	213 PH-51 CLF #6 OLI
52	19.07	0.02	0.01	0.06	6.73	30.16	0.09	0.30	0.03	0.02	43.68	100.17	06-810	090 PH-049 KA #5 OLI
53	19.14	0.00	0.00	0.01	7.35	29.15	0.16	0.29	0.00	0.00	43.23	99.34		090 PH-049 KA #6 OLI
54	19.25	0.00	0.02	0.05	6.32	29.53	0.09	0.31	0.04	0.02	43.35	98.98		090 PH-049 KA #7 OLI
55	19.09	0.00	0.00	0.03	7.72	28.70	0.09	0.29	0.04	0.01	42.99	98.96		090 PH-049 KA #8 OLI
56	19.21	0.00	0.01	0.06	6.55	29.92	0.10	0.30	0.05	0.02	43.62	99.84		090 PH-049 KA #9 OLI
57	19.16	0.00	0.00	0.02	5.86	30.51	0.08	0.29	0.02	0.00	43.71	99.66		090 PH-050 TV #4 OLI
58	18.99	0.00	0.00	0.00	7.49	29.24	0.09	0.29	0.03	0.00	43.14	99.28		090 PH-050 TV #5 OLI
59	19.37	0.00	0.00	0.01	6.53	29.86	0.08	0.31	0.02	0.00	43.73	99.91		090 PH-050 TV #6 OLI
60	19.17	0.01	0.00	0.00	7.76	28.61	0.09	0.25	0.05	0.00	43.02	98.87		090 PH-050 TV #7 OLI
61	19.05	0.00	0.01	0.01	7.85	29.04	0.12	0.28	0.03	0.02	43.20	99.60		090 PH-050 TV #8 OLI
62	19.07	0.00	0.00	0.00	6.71	29.53	0.07	0.31	0.00	0.01	43.19	98.90		090 PH-050 TV #9 OLI
63	19.05	0.00	0.00	0.03	6.02	29.97	0.11	0.28	0.01	0.02	43.28	98.75		090 PH-050 TV #10 OLI
64	19.20	0.00	0.00	0.01	5.78	30.30	0.06	0.33	0.02	0.02	43.59	99.31		090 PH-050 TV #11 OLI
65	19.03	0.00	0.00	0.00	7.03	29.25	0.15	0.28	0.01	0.01	43.07	98.83		090 PH-050 TV #12 OLI
66	19.14	0.00	0.00	0.00	6.46	29.58	0.14	0.31	0.00	0.00	43.25	98.89		090 PH-050 TV #13 OLI
67	19.26	0.00	0.00	0.01	6.12	30.42	0.10	0.33	0.00	0.01	43.84	100.09		090 PH-050 TV #14 OLI
68	18.78	0.00	0.00	0.03	6.49	29.84	0.11	0.31	0.03	0.01	43.04	98.65		090 PH-050 TV #15 OLI
69	18.92	0.00	0.01	0.06	7.15	29.33	0.08	0.31	0.05	0.03	43.09	99.04		090 PH-050 TV #16 OLI
70	19.05	0.00	0.01	0.04	6.48	29.63	0.08	0.32	0.05	0.03	43.22	98.90		090 PH-050 TV #17 OLI
71	19.22	0.02	0.00	0.00	6.39	29.81	0.11	0.31	0.00	0.00	43.48	99.35		090 PH-050 NV #24 OL
72	19.03	0.00	0.01	0.04	6.87	29.14	0.11	0.32	0.03	0.03	43.01	98.60		090 PH-050 NV #25 OL
73	18.07	0.00	0.00	0.00	13.78	25.19	0.18	0.19	0.02	0.05	41.24	98.73		090 PH-050 NV #26 OL
74	19.16	0.00	0.01	0.06	6.30	29.70	0.10	0.28	0.05	0.01	43.35	99.02		090 PH-050 NV #27 OL
75	19.00	0.02	0.00	0.00	7.46	28.73	0.10	0.31	0.02	0.01	42.84	98.51		090 PH-050 NV #28 OL
76	19.15	0.00	0.00	0.05	7.21	29.00	0.10	0.30	0.04	0.01	43.13	99.00		090 PH-050 NV #29 OL
	19.11	0.00	0.01	0.00	7.16	29.73	0.12	0.30	0.02	0.01	43.52	99.98		Harvard olivine
	19.28	0.00	0.00	0.02	5.98	30.45	0.09	0.33	0.00	0.01	43.84	99.99		SPI olivine

Note: 06-701 090 PH-33 RD #29 olivine is a sillimenite and was not analyzed

Oxides

Oxide Pt#	Percent SiO2	TiO2	Al2O3	Cr2O3	FeO	MgO	MnO	NiO	ZnO	Total	Project	Sample label
	0.00	45.63	0.00	0.02	46.41	0.29	4.45	0.03	0.06	96.90		Smithsonian ilmenite
	0.00	0.16	12.27	54.58	18.46	13.55	0.30	0.07	0.07	99.47		SPI chromite #1
1	0.13	2.74	20.47	34.42	25.58	15.10	0.24	0.24	0.09	99.00	06-167	05T05 TV #1 chromite
2	0.09	0.25	38.94	25.52	15.53	19.42	0.25	0.20	0.06	100.25		05T07 LE #2 chromite
3	0.04	0.11	32.26	33.31	15.91	18.12	0.21	0.15	0.10	100.21		05T07 LE #3 chromite
4	0.16	1.00	36.51	22.01	21.67	17.83	0.18	0.20	0.07	99.62		05T07 LE #4 chromite
5	0.03	2.79	5.49	38.65	41.15	8.64	0.49	0.25	0.12	97.62		090 PH-24 TV #9 CHRO
6	0.05	0.23	21.00	36.40	25.06	15.11	0.32	0.19	0.10	98.46	06-868	090 PH-45 CLF #1 chromite
7	0.04	0.17	31.91	33.42	17.67	15.36	0.24	0.09	0.10	99.00		090 PH-46 KA #2 chromite
8	0.06	0.06	12.89	51.27	21.41	13.01	0.31	0.12	0.15	99.28	06-701	090 PH-33 RD #31 chromite
9	0.04	0.11	8.11	54.57	23.49	11.63	0.36	0.12	0.06	98.50		090 PH-28 CF #4 chromite
10	0.05	0.01	25.76	39.40	17.67	15.46	0.29	0.12	0.12	98.86	06-700	OST-10 CLF #3 chromite
11	0.05	0.29	23.98	38.37	23.27	12.49	0.24	0.14	0.23	99.05		OST-10 CLF #4 chromite
12	0.60	0.55	20.62	44.96	18.79	15.11	0.31	0.13	0.07	100.61		090 PH-30 BR #1 chromite
13	0.05	0.10	17.39	50.85	15.79	15.25	0.28	0.10	0.13	99.94		OST-4 NV #1 chromite
14	0.03	0.14	19.46	47.29	18.43	14.94	0.30	0.14	0.16	100.88		OST-11 LE #2 chromite
15	0.03	55.08	0.77	0.24	24.12	18.19	0.40	0.14	0.02	99.00	06-810	090 PH-49 KA #11 ilmenite
16	0.05	49.49	0.53	1.21	35.49	12.45	0.25	0.09	0.02	99.58		090 PH-49 KA #12 ilmenite
17	0.02	0.25	11.28	52.87	21.03	12.74	0.38	0.14	0.15	98.86		090 PH-49 KA #13 chromite
18	0.03	1.49	1.09	55.54	30.65	8.98	0.44	0.15	0.09	98.46		090 PH-49 KA #14 chromite
19	0.02	2.87	0.98	50.35	34.93	8.44	0.50	0.19	0.08	98.37		090 PH-50 NV #18 chromite
20	0.06	0.16	18.14	35.38	30.87	13.87	0.26	0.27	0.09	99.11		090 PH-50 NV #19 chromite
21	0.03	0.42	7.34	50.79	28.68	10.98	0.41	0.18	0.10	98.93		090 PH-50 NV #20 chromite
22	0.03	0.26	12.14	51.03	24.70	11.02	0.44	0.08	0.23	99.93		090 PH-50 NV #21 chromite
23	0.03	1.01	4.58	56.33	26.53	9.61	0.48	0.12	0.07	98.77		090 PH-50 NV #22 chromite
24	0.03	48.05	0.32	0.63	39.43	10.10	0.29	0.08	0.05	98.97		090 PH-50 NV #23 ilmenite

Weight Pt#	Percent Si	Ti	Al	Cr	Fe	Mg	Mn	Ni	Zn	O	Total	Project	Sample label
	0.00	27.36	0.00	0.01	36.08	0.18	3.44	0.02	0.05	29.76	96.90		Smithsonian ilmenite
	0.00	0.09	6.50	37.34	14.35	8.17	0.23	0.06	0.06	32.66	99.47		SPI chromite #1
1	0.04	0.15	20.61	17.46	12.07	11.71	0.19	0.16	0.05	37.81	100.25	06-167	05-T-05 TV #1 chromite
2	0.04	0.15	20.61	17.46	12.07	11.71	0.19	0.16	0.05	37.81	100.25		05-T-07 LE #2 chromite
3	0.02	0.06	17.07	22.79	12.37	10.93	0.17	0.12	0.08	36.60	100.21		05-T-07 LE #3 chromite
4	0.06	0.62	19.55	15.28	16.76	10.97	0.15	0.18	0.05	37.05	100.66		05-T-07 LE #4 chromite
5	0.02	1.67	2.91	26.44	31.98	5.21	0.38	0.20	0.10	28.71	97.62		090 PH-24 TV #9 chromite
6	0.02	0.14	11.11	24.91	19.48	9.11	0.25	0.15	0.08	33.21	98.46	06-868	090 PH-45 CLF #1 chromite
7	0.02	0.10	16.89	22.87	13.73	9.26	0.19	0.07	0.08	35.79	99.00		090 PH-46 KA #2 chromite
8	0.03	0.04	6.82	35.08	16.65	7.85	0.24	0.09	0.12	32.37	99.28	06-701	090 PH-33 RD #31 chromite
9	0.02	0.07	4.29	37.34	18.26	7.02	0.28	0.09	0.05	31.09	98.50		090 PH-28 CF #4 chromite
10	0.02	0.00	13.63	26.96	13.74	9.32	0.22	0.09	0.10	34.78	98.86	06-700	OST-10 CLF #3 chromite
11	0.02	0.18	12.69	26.25	18.09	7.53	0.19	0.11	0.18	33.81	99.05		OST-10 CLF #4 chromite
12	0.03	0.33	10.91	30.76	14.61	9.11	0.24	0.10	0.05	34.45	100.61		090 PH-30 BR #1 chromite
13	0.02	0.06	9.20	34.79	12.27	9.20	0.22	0.08	0.10	33.99	99.94		OST-4 NV #1 chromite
14	0.01	0.08	10.30	32.35	14.32	9.01	0.23	0.11	0.13	34.33	100.88		OST-11 LE #2 chromite
15	0.01	33.02	0.41	0.16	18.75	10.97	0.31	0.11	0.02	35.23	99.00	06-810	090 PH-49 KA #11 ilmenite
16	0.02	29.67	0.28	0.83	27.58	7.51	0.19	0.07	0.02	33.40	99.58		090 PH-49 KA #12 ilmenite
17	0.01	0.15	5.97	36.17	16.35	7.69	0.29	0.11	0.12	32.00	98.86		090 PH-49 KA #13 chromite
18	0.01	0.89	0.58	38.00	23.82	5.41	0.34	0.12	0.07	29.20	98.46		090 PH-49 KA #14 chromite
19	0.01	1.72	0.52	34.45	27.15	5.09	0.39	0.15	0.06	28.82	98.37		090 PH-50 NV #18 chromite
20	0.03	0.10	9.60	24.21	23.99	8.37	0.20	0.21	0.07	32.32	99.11		090 PH-50 NV #19 chromite
21	0.02	0.25	3.89	34.75	22.29	6.62	0.32	0.14	0.08	30.58	98.93		090 PH-50 NV #20 chromite
22	0.01	0.16	6.42	34.92	19.20	6.64	0.34	0.06	0.18	31.99	99.93		090 PH-50 NV #21 chromite
23	0.01	0.61	2.42	38.54	20.62	5.79	0.37	0.10	0.06	30.24	98.77		090 PH-50 NV #22 chromite
24	0.02	28.81	0.17	0.43	30.65	6.09	0.22	0.06	0.04	32.49	98.97		090 PH-50 NV #23 ilmenite

Note: 06-167 sample 05-T-07 LE #1 ilmenite was a low Mg ilmenite (< 1.0 wt.%) and was not analyzed
sample 090 PH-23 CLF #1 pos picro-ilmenite was a low Mg ilmenite (< 1.0 wt.%) and was not analyzed
07-701 sample 090 PH-33 RD #30 pos picro-ilmenite was a low Mg ilmenite (< 1.0 wt.%) and was not analyzed
sample 090 PH-33 RD #32 chromite - no grain was found in slot

Appendix 1B - SRC Indicator Mineral Processing Results

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geolab@src.sk.ca

Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 2

Report No: 07-25
Date: July 06, 2007

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.25MM Dry Weight in grams (MWT)
Tetrabromoethane SG 2.96 Sinks Weight in grams (TBE)
Pyrope Peridotitic Grains in Counts (Pyr-p)
Pyrope Eclogitic Grains in Counts (Pyr-e)

Chrome-Diopside Grains in Counts (Chr-D)
Olivine Grains in Counts (Olv)
Picroilmenite Grains in Counts (Picroilm)
Chromite Grains in Counts (Chr)
TBE Sinks Total Observed Weight in grams (Total Obs)

TBE Sinks Total Observed Weight in % (Total)

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Report No: 07-25
Date: July 06, 2007

Sample Number	SWT kg	MWT g	TBE g	Pyr-p Counts	Pyr-e Counts	Chr-D Counts	Olv Counts	Picroilm Counts	Chr Counts	Total Obs g	Total %
09PH069	20.35	1610	15.34	2	0	0	0	0	2	6.28	100
09PH070	21.85	1219	17.19	2	0	0	12	0	4	3.66	100

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Attention: Paul Hawkins
PO #/Project:
Samples: 2

Group #	Description	Date	Sample Type	SWT kg	MWT g	TBE g	Pyr-p Counts	Pyr-e Counts	Chr-D Counts	Olv Counts	Picroilm Counts	Chr Counts	Total Obs g	Total %
2007-25	09PH069	03-27-2007	Solid	20.35	1610	15.34	2	0	0	0	0	2	6.28	100
2007-25	09PH070	03-27-2007	Solid	21.85	1219	17.19	2	0	0	12	0	4	3.66	100

Kimberlite Indicator Mineral Grain Description Sheet

Group Number: 07-25

☐ Preliminary Data ☐ Finalized Data _____

No.	Sample Name	p-pyr	ecl-pyr	chr diopside	olv	picroilm	chr	Total Observe	Others picked by
1	09PH069	2	0	0	0	0	2	6.28	0
	Comments:								CM
2	09PH070	2	0	0	12	0	4	3.66	0
	Comments:								CM
	Total Silicates	16							
	Total Oxides	6							
	Total Grains	22							

Kimberlite Indicator Mineral Microprobe Sheet

Group Number: 07-25
Checked by:_____

def-Definite pos-Possible

No.	Sample Name	pyr-p		pyr-e		chr.diopsid		olv		picroilm		chr		Others
		+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	pos
1	09PH069		2										2	
	Comments:													
2	09PH070		2					4	8			1	3	
	Comments:													

Total Grains to Probe: 22
Grains Lost: 0

Kimberlite Indicator Mineral Grain Morphology Sheet

Group Number: 07-25

SAMPLE	QUANTITY	LOCATION	SIZE FRACTION	GRAIN TYPE *	COLOR	SHAPE	CLARITY	LUSTRE	SURFACE FEATURE	COMMENT	DATE	OBSERV
09PH069	1	1	-0.50/+0.25mm	p-pyr	purple	irr	transparent	none	none		07/04/07	CM
09PH069	1	2	-0.50/+0.25mm	p-pyr	purple	irr	transparent	none	kelyphite rim		07/04/07	CM
09PH069	1	1	-0.50/+0.25mm	chr	black	distorted octa	opaque	matte	pitted		07/04/07	CM
09PH069	1	2	-0.50/+0.25mm	chr	black	octahedra	opaque	matte	pitted		07/04/07	CM
09PH070	1	1	-0.50/+0.25mm	p-pyr	purple	fragm	transparent	none	none		07/05/07	CM
09PH070	1	2	-0.50/+0.25mm	p-pyr	purple	fragm	transparent	none	none		07/05/07	CM
09PH070	1	1	-1.00/+0.50mm	chr	black	octahedra	opaque	matte	pitted		07/05/07	CM
09PH070	1	2	-0.50/+0.25mm	chr	black	octahedra	opaque	matte	pitted		07/05/07	CM
09PH070	1	3	-0.50/+0.25mm	chr	black	octahedra	opaque	matte	pitted		07/05/07	CM
09PH070	1	4	-0.50/+0.25mm	chr	black	octahedra	opaque	matte	pitted		07/05/07	CM
09PH070	1	1	-1.00/+0.50mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	2	-1.00/+0.50mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	3	-1.00/+0.50mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	4	-1.00/+0.50mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	5	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	6	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	7	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	8	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	9	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	10	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	11	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM
09PH070	1	12	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/05/07	CM

* Unless otherwise indicated all grains are considered definite

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13/05/2008
2:35 PM

Data sheet prepared by
Geoanalytical Laboratories
Saskatchewan Research Council
306-933-8118

SRC Geoanalytical Laboratories
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Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 11

Report No: 07-819
Date: July 25, 2007

Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.25MM Wet Weight in grams (MWT)
+1.00mm Wet Weight in grams (+1.00MM)
Permroll Magnetic Dry Weight in grams (PRM)
LST SG 2.96 Sinks in grams (LSTS)

Methylene Iodide SG 3.30 Sinks Weight in grams (MIS)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)
Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)

Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)
Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)

Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)
Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)

Lower Fraction +0.5 Observed Weight in grams (LW+Obs)
Lower Fraction +0.5 Observed Weight in % (LW+)
Lower Fraction -0.5 Observed Weight in grams (LW-Obs)
Lower Fraction -0.5 Observed Weight in % (LW-)
Lower Fraction Total Observed Weight in grams (LWT Obs)

Lower Fraction Total Observed Weight in % (LWT)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)
Chromite Grains -0.5mm in Counts (Chr -)

Upper Fraction +0.5 Observed Weight in grams (UP+Obs)
Upper Fraction +0.5 Observed Weight in % (UP+)
Upper Fraction -0.5 Observed Weight in grams (UP-Obs)
Upper Fraction -0.5 Observed Weight in % (UP-)
Upper Fraction Total Observed Weight in grams (UPT Obs)

Upper Fraction Total Observed Weight in % (UPT)
Observer's Initials (Observer)
LW/UP Fraction -0.250MM Not Observed Weight in grams (-0.250)

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Report No: 07-819
Date: July 25, 2007

Kimberlite Indicator Minerals

Sample Number	SWT kg	MWT g	+1.00MM g	PRM g	LSTS g	MIS g	FM+ g	FM- g	UP+ g	UP- g	LW+ g	LW- g	Pyr-p + Counts	Pyr-p - Counts
090PH70	19.35	1645.3	17866.0	632	105.56	13.77	0.48	0.54	6.84	4.33	0.28	0.14	0	0
090PH71A	19.45	1230.1	609.7	136	10.69	3.06	0.07	0.12	0.87	1.25	0.26	0.07	0	2
090PH71B	18.75	1495.8	519.0	201	11.03	2.71	0.06	0.13	0.58	1.05	0.17	0.02	0	0
090PH72	19.95	980.4	532.1	91	98.59	2.17	0.04	0.12	0.50	0.95	0.18	0.05	0	0
090PH73	19.85	1470.2	741.4	112	13.79	5.10	0.06	0.13	1.79	1.83	0.46	0.25	0	2
090PH74	21.80	1468.1	717.4	163	11.97	3.57	0.06	0.18	0.73	1.29	0.30	0.26	0	0
090PH75	15.30	3732.0	4977.0	360	49.60	17.91	0.67	1.43	4.95	6.15	2.11	0.48	0	1
090PH76	20.30	1673.0	1481.5	140	17.30	7.76	0.03	0.15	1.69	1.94	1.74	1.05	0	0
090PH77	18.50	1589.0	1143.4	168	17.66	6.91	0.09	0.22	1.20	1.89	1.24	0.98	0	0
090PH78	20.95	2267.0	906.2	105	18.27	7.01	0.11	0.22	1.48	2.81	0.46	0.50	0	0
090PH70 R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	0	0

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Report No: 07-819
Date: July 25, 2007

Kimberlite Indicator Minerals

Sample Number	Pyr-e + Counts	Pyr-e - Counts	Chr D + Counts	Chr D - Counts	Olv + Counts	Olv - Counts	LW+Obs g	LW+ %	LW-Obs g	LW- %	LWT Obs g	LWT %	Picroilm+ Counts	Picroilm- Counts
090PH70	0	0	0	0	1	10	0.20	100	0.08	100	0.28	100	1	0
090PH71A	0	0	0	0	1	1	0.20	100	0.07	100	0.27	100	0	1
090PH71B	0	0	0	0	0	1	0.10	100	0.01	100	0.11	100	0	0
090PH72	0	0	0	0	0	1	0.13	100	0.01	100	0.14	100	0	0
090PH73	0	0	0	0	0	0	0.43	100	0.22	100	0.65	100	0	1
090PH74	0	0	0	0	0	0	0.23	100	0.22	100	0.45	100	0	0
090PH75	0	0	0	0	0	0	2.03	100	0.41	100	2.44	100	0	0
090PH76	0	0	0	0	0	0	1.69	100	0.99	100	2.68	100	0	0
090PH77	0	0	0	0	0	1	1.19	100	0.94	100	2.13	100	0	0
090PH78	0	0	0	0	0	0	0.37	100	0.39	100	0.76	100	0	0
090PH70 R	0	0	0	0	0	0	0.20	100	0.08	100	0.28	100	0	0

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Report No: 07-819
PO #/Project:
Date: July 25, 2007
Samples: 11

Kimberlite Indicator Minerals

Sample Number	Chr + Counts	Chr - Counts	UP+Obs g	UP+ %	UP-Obs g	UP- %	UPT Obs g	UPT %	Observer	-0.250 g
090PH70	0	2	6.77	100	4.26	100	11.03	100	DR	1.11
090PH71A	0	0	0.81	100	1.19	100	2.00	100	LB	0.38
090PH71B	0	1	0.52	100	0.96	100	1.48	100	CL	0.62
090PH72	0	0	0.45	100	0.91	100	1.36	100	DR	0.27
090PH73	0	0	1.75	100	1.79	100	3.54	100	LB	0.54
090PH74	0	0	0.60	100	1.24	100	1.84	100	CL	0.69
090PH75	0	0	4.88	100	6.10	100	10.98	100	DR	1.97
090PH76	0	0	1.64	100	1.88	100	3.52	100	CL	1.12
090PH77	0	0	1.14	100	1.84	100	2.98	100	LB	1.27
090PH78	0	0	1.36	100	2.74	100	4.10	100	CL	1.37
090PH70 R	0	0	6.77	100	4.26	100	11.03	100	LB	1.11

Kimberlite Indicator Mineral Microprobe Sheet

Group Number: 07-819
Checked by:_____

def-Definite pos-Possible

No.	Sample Name	pyr-p		pyr-e		chr.diopside		olv		picroilm		chr		Others
		+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	pos
1	090PH70	0	0	0	0	0	0	1	10	1	1	0	1	
	Comments:													
2	090PH71A	0	2	0	0	0	0	1	1	0	1	0	0	
	Comments:													
3	090PH71B	0	0	0	0	0	0	0	1	0	0	0	1	
	Comments:													
4	090PH72	0	0	0	0	0	0	0	1	0	0	0	0	
	Comments:													
5	090PH73	0	2	0	0	0	0	0	0	0	1	0	0	
	Comments:													
6	090PH75	0	1	0	0	0	0	0	0	0	0	0	0	
	Comments:													
7	090PH77	0	0	0	0	0	0	0	1	0	0	0	0	
	Comments:													

Kimberlite Indicator Mineral Grain Description Sheet

Group Number: 07-819

☐ Preliminary Data ☐ Finalized Data _____

No.	Sample Name	p-pyr		ecl-pyr		chr diopside		olv		G - LW	picroilm		chr		G - UP	Others
		+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	Observ	+0.5	-0.5	+0.5	-0.5	Observ	picked by
1	090PH70	0	0	0	0	0	0	1	10	0.28	1	1	0	1	11.03	0
	Comments:															DR
2	090PH71A	0	2	0	0	0	0	1	1	0.27	0	1	0	0	2	0
	Comments:															LB
3	090PH71B	0	0	0	0	0	0	0	1	0.11	0	0	0	1	1.48	0
	Comments:															CL
4	090PH72	0	0	0	0	0	0	0	1	0.14	0	0	0	0	1.36	0
	Comments:															DR
5	090PH73	0	2	0	0	0	0	0	0	0.65	0	1	0	0	3.54	0
	Comments:															LB
6	090PH74	0	0	0	0	0	0	0	0	0.45	0	0	0	0	1.84	0
	Comments:															CL
7	090PH75	0	1	0	0	0	0	0	0	2.44	0	0	0	0	10.98	0
	Comments:															DR
8	090PH76	0	0	0	0	0	0	0	0	2.68	0	0	0	0	3.52	0
	Comments:															CL
9	090PH77	0	0	0	0	0	0	0	1	2.13	0	0	0	0	2.98	0
	Comments:															LB
10	090PH78	0	0	0	0	0	0	0	0	0.76	0	0	0	0	4.1	0
	Comments:															CL
	REPICK: 090PH70	0	0	0	0	0	0	0	0	0.28	0	0	0	0	11.03	0
	Comments:															LB

Kimberlite Indicator Mineral Grain Morphology Sheet

Group Number: 07-819

SAMPLE	QUANTITY	LOCATION	SIZE FRACTION	GRAIN TYPE *	COLOR	SHAPE	CLARITY	LUSTRE	SURFACE FEATURE	COMMENT	DATE	OBSERV
090PH70	1	1	-1.00/+0.50mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	2	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	3	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	4	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	5	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	6	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	7	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	8	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	9	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	10	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	11	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		07/17/07	DR
090PH70	1	1	-1.00/+0.50mm	picroilm	black	irrblocky	opaque	matte	coated		07/17/07	DR
090PH70	1	1	-0.50/+0.25mm	chr	black	irr	opaque	matte	pitted		07/17/07	DR
090PH70	1	2	-0.50/+0.25mm	chr	black	octahedra	opaque	shiny	none		07/17/07	DR
090PH71A	1	1	-0.50/+0.25mm	p-pyr	purple	fragm	translucent	vitreous	pitted		07/17/07	LB
090PH71A	1	2	-0.50/+0.25mm	p-pyr	purple	fragm	translucent	vitreous	pitted		07/17/07	LB
090PH71A	1	1	-1.00/+0.50mm	olv	yellow	irr	translucent	vitreous	ragged ends		07/17/07	LB
090PH71A	1	2	-0.50/+0.25mm	olv	yellow	ang	translucent	vitreous	ragged ends		07/17/07	LB
090PH71A	1	1	-0.50/+0.25mm	picroilm	black	rnd	opaque	shiny	fractured		07/17/07	LB
090PH71B	1	1	-0.50/+0.25mm	olv	yellow	irr	translucent	none	striations		07/17/07	CL
090PH71B	1	1	-0.50/+0.25mm	chr	black	blocky	opaque	matte	pitted		07/17/07	CL
090PH72	1	1	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	ragged ends		07/17/07	DR
090PH73	1	1	-0.50/+0.25mm	p-pyr	purple	rnd	translucent	vitreous	pitted		07/17/07	LB
090PH73	1	2	-0.50/+0.25mm	p-pyr	purple-pink	ang	translucent	vitreous	pitted		07/17/07	LB
090PH73	1	1	-0.50/+0.25mm	picroilm	black	rnd	opaque	matte	pitted		07/17/07	LB
090PH75	1	1	-0.50/+0.25mm	p-pyr	purple	fragm	translucent	vitreous	none		07/18/07	LB
090PH77	1	1	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	ragged ends		07/18/07	LB

* Unless otherwise indicated all grains are considered definite

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Data sheet prepared by
Geoanalytical Laboratories
Saskatchewan Research Council
306-933-8118

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Report No: G-08-343

Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 1

Date of Report: April 30, 2008

Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.25MM Wet Weight in grams (MWT)
+1.00mm Wet Weight in grams (+1.00MM)
Permroll Magnetic Dry Weight in grams (PRM)
LST SG 2.96 Sinks in grams (LSTS)

Methylene Iodide SG 3.30 Sinks Weight in grams (MIS)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)
Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)

Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains -1.0/+0.5mm in Counts (Pyr-p +)
Pyrope Peridotitic Grains -0.5/+0.25mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains -1.0/+0.5mm in Counts (Pyr-e +)

Pyrope Eclogitic Grains -0.5/+0.25mm in Counts (Pyr-e -)
Chrome-Diopside Grains -1.0/+0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5/+0.25mm in Counts (Chr D -)
Olivine Grains -1.0/+0.5mm in Counts (Olv +)
Olivine Grains -0.5/+0.25mm in Counts (Olv -)

Lower Fraction +0.5 Observed Weight in grams (LW+Obs)
Lower Fraction +0.5 Observed Weight in % (LW+)
Lower Fraction -0.5 Observed Weight in grams (LW-Obs)
Lower Fraction -0.5 Observed Weight in % (LW-)
Lower Fraction Total Observed Weight in grams (LWT Obs)

Lower Fraction Total Observed Weight in % (LWT)
Picroilmenite Grains -1.0/+0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5/+0.25mm in Counts (Picroilm-)
Chromite Grains -1.0/+0.5mm in Counts (Chr +)
Chromite Grains -0.5/+0.25mm in Counts (Chr -)

Upper Fraction +0.5 Observed Weight in grams (UP+Obs)
Upper Fraction +0.5 Observed Weight in % (UP+)
Upper Fraction -0.5 Observed Weight in grams (UP-Obs)
Upper Fraction -0.5 Observed Weight in % (UP-)
Upper Fraction Total Observed Weight in grams (UPT Obs)

Upper Fraction Total Observed Weight in % (UPT)
Observer's Initials (Observer)
LW/UP Fraction -0.250MM Not Observed Weight in grams (-0.250)

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geolab@src.sk.ca

Report No: G-08-343

Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 1

Date of Report: April 30, 2008

Kimberlite Indicator Minerals

Sample Number	SWT kg	MWT g	+1.00MM g	PRM g	LSTS g	MIS g	FM+ g	FM- g	UP+ g	UP- g	LW+ g	LW- g	Pyr-p + Counts	Pyr-p - Counts
090PH90	22.70	1913	1102.7	113	17.95	7.32	0.14	0.32	1.73	3.50	0.42	0.72	0	0

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Report No: G-08-343

Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 1

Date of Report: April 30, 2008

Kimberlite Indicator Minerals

Sample Number	Pyr-e + Counts	Pyr-e - Counts	Chr D + Counts	Chr D - Counts	Olv + Counts	Olv - Counts	LW+Obs g	LW+ %	LW-Obs g	LW- %	LWT Obs g	LWT %	Picroilm+ Counts	Picroilm- Counts
090PH90	0	0	0	0	0	5	0.42	100	0.73	100	1.15	100	0	0

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geolab@src.sk.ca

Report No: G-08-343

Paul A. Hawkins & Associates Ltd.
Attention: Paul Hawkins
PO #/Project:
Samples: 1

Date of Report: April 30, 2008

Kimberlite Indicator Minerals

Sample Number	Chr + Counts	Chr - Counts	UP+Obs g	UP+ %	UP-Obs g	UP- %	UPT Obs g	UPT %	Observer	-0.250 g
090PH90	0	0	1.74	100	3.51	100	5.25	100	LW	0.43

Kimberlite Indicator Mineral Grain Description Sheet

Group Number: G-08-343

☐ Preliminary Data ☐ Finalized Data _____

No.	Sample Name	p-pyr		ecl-pyr		chr diopside		olv		G - LW	picroilm		chr		G - UP	Others
		+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	Observ	+0.5	-0.5	+0.5	-0.5	Observ	picked by
1	090PH90	0	0	0	0	0	0	0	5	1.15	0	0	0	0	5.25	
	Comments:															LW
	Total Silicates		5													
	Total Oxides		0													
	Total Grains		5													

Kimberlite Indicator Mineral Microprobe Sheet

Group Number: G-08-343
Checked by:_____

def-Definite pos-Possible

No.	Sample Name	pyr-p		pyr-e		chr.diopsid		olv		picroilm		chr		Others
		+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	+0.5	-0.5	pos
1	090PH90	0	0	0	0	0	0	0	5	0	0	0	0	
	Comments:													
	Total Grains to Probe: 5													

Lost Grains

Kimberlite Indicator Mineral Grain Morphology Sheet

Group Number: G-08-343

SAMPLE	QUANTITY	LOCATION	SIZE FRACTION	GRAIN TYPE *	COLOR	SHAPE	CLARITY	LUSTRE	SURFACE FEATURE	COMMENT	DATE	OBSERV
090PH90	1	1	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		04/30/08	LW
090PH90	1	2	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		04/30/08	LW
090PH90	1	3	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		04/30/08	LW
090PH90	1	4	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		04/30/08	LW
090PH90	1	5	-0.50/+0.25mm	olv	yellow	irr	translucent	vitreous	striations		04/30/08	LW
	* Unless otherwise indicated all grains are considered definite											
		5										

Data sheet prepared by
Geoanalytical Laboratories
Saskatchewan Research Council
306-933-8118

Appendix 1C - ODM Processing Results

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Project: Zama Lake
Filename: Hawkins - (217PH) - Nov 2007
Total Number of Samples in this Report = 3 (12)

Batch Number: 3970

Sample Number	Weight (kg)				Clasts >2.0 mm					Matrix <2.0 mm							Class
						Percentage				Distribution					Colour		
	Bulk Rec'd	Table Split	+2 mm Clasts	Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	Org	Sand	Clay	
090PH-89	19.6	19.1	0.0	19.1	No Clasts					U	-	Y	+	N	LOC	LOC	CLAY TILL
090PH-90	18.4	17.9	1.1	16.8	P	Tr	30	60	10	U	Y	Y	Y	N	LOC	LOC	TILL
090PH-91	19.1	18.6	0.5	18.1	P	10	30	20	40	U	Y	Y	Y	N	LOC	LOC	TILL

* Clasts listed as "other" are Proterozoic sandstone.

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG
KIMBERLITE INDICATOR MINERAL COUNTS

Project: Zama Lake
Filename: Hawkins - (217PH) - Nov 2007
Total Number of Samples in this Report = 12

	Weight (g)										
	<2.0 mm Table Concentrate										
			0.25 to 2.0 mm Heavy Liquid Separation S.G 3.20								
					Nonferromagnetic HMC						
						Processed Split					
							Total				
Sample Number	Total	-0.25 mm	Heavy Liquid Lights	Mag HMC	Total	%	Weight	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm
090PH-89	737.8	516.3	215.3	0.1	6.1	100	6.1	2.0	2.1	1.5	0.5
090PH-90	819.5	573.3	238.6	0.5	7.1	100	7.1	1.0	3.0	1.8	1.3
090PH-91	730.7	520.6	206.1	0.2	3.8	100	3.8	0.5	1.7	1.1	0.5

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

OVERBURDEN DRILLING MANAGEMENT LIMITED
MMS INDICATOR MINERAL DATA

Project: Zama Lake
Filename: Hawkins - (217PH) - Nov 2007
Total Number of Samples in this Report = 3 (120

Batch Number: 3970

Sample Number	Sulphide/Arsenide + Related Minerals 0.25-0.5 mm				Mg/Mn/Al/Cr Minerals 0.25-0.5 mm												Phosphates		Remarks	Picked Grains	INPUT Assemblage	INPUT Remarks
	>1 amp			<1.0 amp	>1.0 amp					0.8-1.0 amp		<0.8 amp					>1.0 amp					
	% Cpy	Misc. Prime MMSIMs	% Py	% Gth	# Grains + Colour Spinel	Misc. Prime MMSIMs	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	% Fay	% Opx	% Cr	% Ap	% Mz				
090PH-89	Tr (1 gr)	Tr sphalerite (2 gr) 2% barite (~300 gr)	90 (~13,000 gr)	4	0	0	0	0	Tr	0	0	0	0	Tr	Tr (1 gr)	Tr	0	Almandine-siderite-hornblende/marcasite assemblage	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 14 barite 1 forsterite 0.25-0.5 mm fraction: 1 chalcopyrite 2 sphalerite 15 representative barite 1 chromite	Almandine-siderite-hornblende/marcasite	
090PH-90	0	Tr galena (1 gr) 30% barite (~1500 gr)	40 (~2000 gr)	25	1 grey	0	Tr (1 gr)	0	Tr	Tr	Tr	0	0	0	Tr (1 gr)	1	Tr	Almandine-goethite-hornblende/marcasite-barite-epidote assemblage. SEM check from 1.0-2.0 mm fraction: 1 picroilmenite versus chromite candidate = 1 picroilmenite. SEM checks from 0.5-1.0 mm fraction: 1 orange sphalerite candidate = 1 barite; and 1 chromite versus hercynite candidate = 1 chromite. SEM checks from 0.25-0.5 mm fraction: 1 galena candidate = 1 galena; 5 sphalerite candidates = 1 barite, 1 staurolite, 1 monazite, 1 titanite and 1 enstatite; 1 ruby corundum versus Cr-pyrope candidate = 1 Cr-pyrope; and 2 chromite versus tourmaline candidates = 1 chromite and 1 tourmaline. 0.5-1.0 mm fraction contins 2% (~40 grains) barite.	1.0-2.0 mm fraction: 7 barite 1 picroilmenite (kimberlite indicator mineral) 0.5-1.0 mm fraction: 11 representative barite 1 chromite 0.25-0.5 mm fraction: 1 galena 1 staurolite resembling sphalerite 1 monazite resembling sphalerite 1 titanite resembling sphalerite 1 enstatite resembling sphalerite 21 representative barite 1 spinel 1 red rutile 1 chromite 1 tourmaline resembling chromite 1 Cr-pyrope (kimberlite indicator mineral)	Almandine-goethite-hornblende/marcasite-barite-epidote	SEM check from 1.0-2.0 mm fraction: 1 picroilmenite versus chromite candidate = 1 picroilmenite. SEM checks from 0.5-1.0 mm fraction: 1 orange sphalerite candidate = 1 barite; and 1 chromite versus hercynite candidate = 1 chromite. SEM checks from 0.25-0.5 mm fraction: 1 galena candidate = 1 galena; 5 sphalerite candidates = 1 barite, 1 staurolite, 1 monazite, 1 titanite and 1 enstatite; 1 ruby corundum versus Cr-pyrope candidate = 1 Cr-pyrope; and 2 chromite versus tourmaline candidates = 1 chromite and 1 tourmaline. 0.5-1.0 mm fraction contins 2% (~40 grains) barite.
090PH-91	0	30% barite (~1000 gr)	50 (~1500 gr)	40	0	Tr low-Cr diopside (2 gr)	0	Tr	Tr	Tr	Tr	0	0	0	0	0	Tr	Goethite-almandine-hornblende/marcasite-barite-epidote assemblage. SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 forsterite (kimberlitic).	1.0-2.0 mm fraction: 4 barite 0.5-1.0 mm fraction: 17 barite 1 forsterite (kimberlite indicator mineral) 0.25-0.5 mm fraction: 10 representative barite 2 low-Cr diopside	Goethite-almandine-hornblende/marcasite-barite-epidote	SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 forsterite (kimberlitic).

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Appendix 1D - Loring Probe Results

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total
1	1	090PH11	3	Purple		18	19	46	5				6	6		100
1	2	11	8	Purple				4						1	95	100
1	3	11	8	Purple				40						5	55	100
1	4	11	8	Purple				18						2	80	100
1	5	12	3	Purple			19	35						47		101
1	6	12	8	Purple				36						2	63	101
1	7	12	8	Purple				58							44	102
1	8	13	8	Purple				39						3	58	100
1	9	14	5	Purple		19	18	44	6			1	6	7		101
1	10	14	5	Purple		18	17	37	5				9	14		100
2	1	15	2	Purple		9	59	25	3					4		100
2	2	17	2	Purple		2	22	41	5			3		28		101
2	3	18	6	Purple		8	19	37	6				9	22		101
2	4	18	8	Purple				14						1	85	100
2	5	25	6	Purple		21	23	45	4				2	6		101
2	6	11	1	Orange		4	25	47	5					20		101
2	7	11	2	Orange		4	19	35	1			3		38		100
2	8	11	2	Orange		4	20	37	3					36		100
2	9	11	3	Orange		5	25	46	2					22		100
2	10	11	3	Orange		8	24	44	2					23		101
3	1	11	5	Orange		2	48	42	1	1	1			7		102
3	2	11	6	Orange		2	54	27			1			15		99
3	3	11	6	Orange		3	53	29						15		100
3	4	11	6	Orange		2	51	27			1			19		100
3	5	12	2	Orange		10	23	44	8					15		100
3	6	12	3	Orange		2	20	37	3					37		99
3	7	12	3	Orange			20	35	2					43		100
3	8	12	3	Orange		5	25	45	1					24		100
3	9	12	6	Orange		2	54	27						17		100
3	10	12	6	Orange		2	56	32			1			10		101
4	1	13	2	Orange			28	54	2			5		12		101
4	2	13	3	Orange			20	34	2			5		39		100
4	3	13	3	Orange			23	37	3					37		100
4	4	13	3	Orange		2	20	36	7					36		101
4	5	13	3	Orange			24	43	1			9		23		100
4	6	13	4	Orange		2	51	29			1			17		100
4	7	13	5	Orange		4	25	46	4					22		101
4	8	13	6	Orange		2	56	34						8		100
4	9	13	6	Orange		2	52	28			2			16		100
4	10	13	6	Orange		2	50	34			1			14		101
5	1	14	3	Orange		4	24	46	6					20		100
5	2	14	3	Orange		2	21	39	5			1		32		100
5	3	14	3	Orange			22	40	7			1		31		101
5	4	14	5	Orange		1	55	32			1			10		99
5	5	14	5	Orange		2	54	31						13		100
5	6	14	5	Orange		2	51	33						13		99
5	7	14	5	Orange		2	53	27						17		99
5	8	14	5	Orange		2	56	31			1			11		101
5	9	14	5	Orange		3	50	38						10		101
5	10	14	5	Orange		2	55	30			1			12		100
6	1	15	1	Orange		3	56	33			1			9		102
6	2	15	2	Orange		3	30	34	2					31		100
6	3	15	2	Orange		7	29	51	2					13		102
6	4	15	2	Orange		6	27	39	2					26		100
6	5	15	3	Orange		4	22	42	3					29		100
6	6	15	3	Orange			23	48	2			9		17		99
6	7	15	4	Orange		3	21	36	5			2		34		101
6	8	15	4	Orange		1	24	43	5			3		24		100

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total
6	9	15	5	Orange			47	40						13		100
6	10	15	5	Orange		3	55	30						12		100
7	1	15	5	Orange		3	57	35						5		100
7	2	15	5	Orange		2	47	40						11		100
7	3	15	6	Orange		2	55	30			1			12		100
7	4	15	6	Orange			45	31						24		100
7	5	15	6	Orange			25	48	22					6		101
7	6	15	6	Orange			43	29	4		2			23		101
7	7	15	6	Orange		2	54	31						14		101
7	8	15	6	Orange	1	2	52	26			1			18		100
7	9	16	3	Orange		2	55	32			1			10		100
7	10	16	4	Orange		2	54	29			1			14		100
8	1	16	6	Orange		7	24	38	3			1		27		100
8	2	16	6	Orange		1	55	34						10		100
8	3	16	6	Orange		2	56	33			1			9		101
8	4	16	6	Orange			43	34	2		2			20		101
8	5	16	6	Orange			34	42	4					20		100
8	6	16	6	Orange			53	30						17		100
8	7	16	6	Orange		1	52	27			1			19		100
8	8	17	2	Orange		6	21	36	3			2		33		101
8	9	17	2	Orange		4	22	38	3			1	1	32		101
8	10	17	2	Orange		8	27	48	2			1		13		99
9	1	17	3	Orange		2	26	48	6					17		99
9	2	17	3	Orange			17	43	6					33		99
9	3	17	3	Orange		4	24	45	2			1		23		99
9	4	17	3	Orange		3	23	43	6			1		24		100
9	5	17	3	Orange		2	21	43	6		3	2		23		100
9	6	17	3	Orange			18	32	3					48		101
9	7	17	3	Orange			18	52	2			1		27		100
9	8	17	3	Orange			20	38	7			2		33		100
9	9	17	4	Orange		2	15	27	10			2		45		101
9	10	17	4	Orange		4	20	38	6					32		100
10	1	17	5	Orange		3	52	29						17		101
10	2	17	5	Orange		3	55	30						12		100
10	3	17	6	Orange		2	54	30			1			14		101
10	4	17	6	Orange		3	55	30						13		101
10	5	17	6	Orange			43	25						33		101
10	6	17	6	Orange			44	24						32		100
10	7	17	6	Orange		2	56	33						10		101
10	8	17	6	Orange		2	55	32						11		100
10	9	17	6	Orange			52	29						19		100
10	10	17	7	Orange			23	67						9		99
11	1	18	3	Orange		2	34	39	3					23		101
11	2	18	3	Orange		3	20	34	5					38		100
11	3	18	3	Orange		5	25	45	9					17		101
11	4	18	3	Orange		7	26	46	2					18		99
11	5	18	3	Orange		2	13	22	1					61		99
11	6	18	3	Orange			24	42	3			6		26		101
11	7	18	4	Orange		1	53	30			1			14		99
11	8	18	4	Orange		4	20	38	7			2		30		101
11	9	18	5	Orange		2	55	32						10		99
11	10	18	6	Orange		3	51	28						18		100
12	1	18	6	Orange		2	53	32			1			13		101
12	2	18	6	Orange		2	53	38			1			7		101
12	3	18	6	Orange		3	50	32						15		100
12	4	18	6	Orange		2	39	23						36		100
12	5	18	7	Orange		2	51	28						19		100
12	6	18	7	Orange		2	51	30						17		100

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
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Tel: 274-2777 Fax: 275-0541

No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
12	7	18	7	Orange			26	61			1			12		100	
12	8	18	7	Orange		2	47	38						13		100	
12	9	18	7	Orange		2	45	32						18		97	
12	10	18	7	Orange		3	57	32						9		101	
13	1	19	2	Orange		4	25	42	3					27		101	
13	2	19	3	Orange		2	20	35	2					41		100	
13	3	19	3	Orange		3	22	41	6			1		27		100	
13	4	19	3	Orange		2	50	28			1		1	19		101	
13	5	19	4	Orange		1	18	34	17		1	3		25		99	
13	6	19	4	Orange		3	54	32						11		100	
13	7	19	4	Orange		1	50	29						19		99	
13	8	19	4	Orange		2	54	28			1			16		101	
13	9	19	4	Orange		1	51	30						17		99	
13	10	19	4	Orange	1	2	53	31	1		1			11		100	
14	1	090PH19	5	Orange			50	26						24		100	
14	2	19	5	Orange		3	56	34			1			8		102	
14	3	19	5	Orange			21	44	27					7		99	
14	4	19	6	Orange		3	51	32						14		100	
14	5	19	6	Orange		2	47	40		1	1			9		100	
14	6	19	6	Orange		3	55	31			1			11		101	
14	7	20	3	Orange			17	26	5			3		49		100	
14	8	20	6	Orange		2	55	35						8		100	
14	9	20	6	Orange		3	22	41	8			2		25		101	
14	10	25	3	Orange		3	24	44	6					23		100	
15	1	25	3	Orange		5	21	37	7			1		30		101	
15	2	25	4	Orange		4	23	42	5			1		25		100	
15	3	25	5	Orange		3	55	32						10		100	
15	4	25	5	Orange		2	53	28			1			17		101	
15	5	25	5	Orange		2	51	29						19		101	
15	6	25	6	Orange		3	54	36						8		101	
15	7	26	2	Orange		3	20	35	3			1		40		102	
15	8	26	3	Orange		3	23	42	4					28		100	
15	9	26	5	Orange		2	54	33			1			10		100	
15	10	26	6	Orange		3	53	30						15		101	
7	1	090PH15	5	Orange		3	57	35						5		100	Staurolite
12	10	18	7	Orange		3	57	32						9		101	Staurolite
3	10	12	6	Orange		2	56	32			1			10		101	Staurolite
4	8	13	6	Orange		2	56	34						8		100	Staurolite
5	8	14	5	Orange		2	56	31			1			11		101	Staurolite
6	1	15	1	Orange		3	56	33			1			9		102	Staurolite
8	3	16	6	Orange		2	56	33			1			9		101	Staurolite
14	2	19	5	Orange		3	56	34			1			8		102	Staurolite
5	4	14	5	Orange		1	55	32			1			10		99	Staurolite
5	10	14	5	Orange		2	55	30			1			12		100	Staurolite
6	10	15	5	Orange		3	55	30						12		100	Staurolite
7	3	15	6	Orange		2	55	30			1			12		100	Staurolite
7	9	16	3	Orange		2	55	32			1			10		100	Staurolite
8	2	16	6	Orange		1	55	34						10		100	Staurolite
10	2	17	5	Orange		3	55	30						12		100	Staurolite
10	4	17	6	Orange		3	55	30						13		101	Staurolite
10	8	17	6	Orange		2	55	32						11		100	Staurolite
11	9	18	5	Orange		2	55	32						10		99	Staurolite
14	6	19	6	Orange		3	55	31			1			11		101	Staurolite
14	8	20	6	Orange		2	55	35						8		100	Staurolite
15	3	25	5	Orange		3	55	32						10		100	Staurolite
3	2	11	6	Orange		2	54	27			1			15		99	Staurolite
3	9	12	6	Orange		2	54	27						17		100	Staurolite
5	5	14	5	Orange		2	54	31						13		100	Staurolite
7	7	15	6	Orange		2	54	31						14		101	Staurolite

Loring Laboratories Ltd.

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No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
7	10	16	4	Orange		2	54	29			1			14		100	Staurolite
10	3	17	6	Orange		2	54	30			1			14		101	Staurolite
13	6	19	4	Orange		3	54	32						11		100	Staurolite
13	8	19	4	Orange		2	54	28			1			16		101	Staurolite
15	6	25	6	Orange		3	54	36						8		101	Staurolite
15	9	26	5	Orange		2	54	33			1			10		100	Staurolite
3	3	11	6	Orange		3	53	29						15		100	Staurolite
5	7	14	5	Orange		2	53	27						17		99	Staurolite
8	6	16	6	Orange			53	30						17		100	Staurolite
11	7	18	4	Orange		1	53	30			1			14		99	Staurolite
12	1	18	6	Orange		2	53	32			1			13		101	Staurolite
12	2	18	6	Orange		2	53	38			1			7		101	Staurolite
13	10	19	4	Orange	1	2	53	31	1		1			11		100	Staurolite
15	4	25	5	Orange		2	53	28			1			17		101	Staurolite
15	10	26	6	Orange		3	53	30						15		101	Staurolite
7	8	15	6	Orange	1	2	52	26			1			18		100	Staurolite
8	7	16	6	Orange		1	52	27			1			19		100	Staurolite
10	1	17	5	Orange		3	52	29						17		101	Staurolite
10	9	17	6	Orange			52	29						19		100	Staurolite
3	4	11	6	Orange		2	51	27			1			19		100	Staurolite
4	6	13	4	Orange		2	51	29			1			17		100	Staurolite
11	10	18	6	Orange		3	51	28						18		100	Staurolite
12	5	18	7	Orange		2	51	28						19		100	Staurolite
12	6	18	7	Orange		2	51	30						17		100	Staurolite
13	9	19	4	Orange		1	51	30						17		99	Staurolite
14	4	19	6	Orange		3	51	32						14		100	Staurolite
15	5	25	5	Orange		2	51	29						19		101	Staurolite
4	10	13	6	Orange		2	50	34			1			14		101	Staurolite
5	9	14	5	Orange		3	50	38						10		101	Staurolite
12	3	18	6	Orange		3	50	32						15		100	Staurolite
13	4	19	3	Orange		2	50	28			1		1	19		101	Staurolite
13	7	19	4	Orange		1	50	29						19		99	Staurolite
14	1	19	5	Orange			50	26						24		100	Staurolite
3	1	11	5	Orange		2	48	42	1	1	1			7		102	Staurolite
6	9	15	5	Orange			47	40						13		100	Staurolite
7	2	15	5	Orange		2	47	40						11		100	Staurolite
12	8	18	7	Orange		2	47	38						13		100	Staurolite
14	5	19	6	Orange		2	47	40		1	1			9		100	Staurolite
7	4	15	6	Orange			45	31						24		100	Staurolite
12	9	18	7	Orange		2	45	32						18		97	Staurolite
10	6	17	6	Orange			44	24						32		100	?
7	6	15	6	Orange			43	29	4		2			23		101	?
8	4	16	6	Orange			43	34	2		2			20		101	?

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PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
10	5	17	6	Orange			43	25						33		101	?
12	4	18	6	Orange		2	39	23						36		100	?
8	5	16	6	Orange			34	42	4					20		100	?
11	1	18	3	Orange		2	34	39	3					23		101	?
6	2	15	2	Orange		3	30	34	2					31		100	?
6	3	15	2	Orange		7	29	51	2					13		102	?
4	1	13	2	Orange			28	54	2			5		12		101	?
6	4	15	2	Orange		6	27	39	2					26		100	?
8	10	17	2	Orange		8	27	48	2			1		13		99	?
9	1	17	3	Orange		2	26	48	6					17		99	?
11	4	18	3	Orange		7	26	46	2					18		99	?
12	7	18	7	Orange			26	61			1			12		100	?
2	6	11	1	Orange		4	25	47	5					20		101	Almandine-pyrope
2	9	11	3	Orange		5	25	46	2					22		100	Almandine-pyrope
3	8	12	3	Orange		5	25	45	1					24		100	Almandine-pyrope
4	7	13	5	Orange		4	25	46	4					22		101	Almandine-pyrope
7	5	15	6	Orange			25	48	22					6		101	Almandine-pyrope
11	3	18	3	Orange		5	25	45	9					17		101	Almandine-pyrope
13	1	19	2	Orange		4	25	42	3					27		101	Almandine-pyrope
2	10	11	3	Orange		8	24	44	2					23		101	Almandine-pyrope
4	5	13	3	Orange			24	43	1			9		23		100	Almandine-pyrope
5	1	14	3	Orange		4	24	46	6					20		100	Almandine-pyrope
6	8	15	4	Orange		1	24	43	5			3		24		100	Almandine-pyrope
8	1	16	6	Orange		7	24	38	3			1		27		100	Almandine-pyrope
9	3	17	3	Orange		4	24	45	2			1		23		99	Almandine-pyrope
11	6	18	3	Orange			24	42	3			6		26		101	Almandine-pyrope
14	10	25	3	Orange		3	24	44	6					23		100	Almandine-pyrope
3	5	12	2	Orange		10	23	44	8					15		100	Almandine-pyrope
4	3	13	3	Orange			23	37	3					37		100	Almandine-pyrope
6	6	15	3	Orange			23	48	2			9		17		99	Almandine-pyrope
9	4	17	3	Orange		3	23	43	6			1		24		100	Almandine-pyrope
10	10	17	7	Orange			23	67						9		99	Almandine-pyrope
15	2	25	4	Orange		4	23	42	5			1		25		100	Almandine-pyrope
15	8	26	3	Orange		3	23	42	4					28		100	Almandine-pyrope
5	3	14	3	Orange			22	40	7			1		31		101	Almandine-pyrope
6	5	15	3	Orange		4	22	42	3					29		100	Almandine-pyrope
8	9	17	2	Orange		4	22	38	3			1	1	32		101	Almandine-pyrope
13	3	19	3	Orange		3	22	41	6			1		27		100	Almandine-pyrope
14	9	20	6	Orange		3	22	41	8			2		25		101	Almandine-pyrope
5	2	14	3	Orange		2	21	39	5			1		32		100	Almandine-pyrope
6	7	15	4	Orange		3	21	36	5			2		34		101	Almandine-pyrope
8	8	17	2	Orange		6	21	36	3			2		33		101	Almandine-pyrope
9	5	17	3	Orange		2	21	43	6		3	2		23		100	Almandine-pyrope
14	3	19	5	Orange			21	44	27					7		99	Almandine-pyrope
15	1	25	3	Orange		5	21	37	7			1		30		101	Almandine-pyrope
2	8	11	2	Orange		4	20	37	3					36		100	Almandine-pyrope
3	6	12	3	Orange		2	20	37	3					37		99	Almandine-pyrope
3	7	12	3	Orange			20	35	2					43		100	Almandine-pyrope
4	2	13	3	Orange			20	34	2			5		39		100	Almandine-pyrope
4	4	13	3	Orange		2	20	36	7					36		101	Almandine-pyrope
9	8	17	3	Orange			20	38	7			2		33		100	Almandine-pyrope
9	10	17	4	Orange		4	20	38	6					32		100	Almandine-pyrope
11	2	18	3	Orange		3	20	34	5					38		100	Almandine-pyrope
11	8	18	4	Orange		4	20	38	7			2		30		101	Almandine-pyrope
13	2	19	3	Orange		2	20	35	2					41		100	Almandine-pyrope
15	7	26	2	Orange		3	20	35	3			1		40		102	Almandine-pyrope
2	7	11	2	Orange		4	19	35	1			3		38		100	Almandine-pyrope
9	6	17	3	Orange			18	32	3					48		101	Almandine-pyrope
9	7	17	3	Orange			18	52	2			1		27		100	Almandine-pyrope

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No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

PYROPES

STUB A (Rows 1 to 10) and STUB B (Rows 11 to 15)

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
13	5	19	4	Orange		1	18	34	17		1	3		25		99	Almandine-pyrope
9	2	17	3	Orange			17	43	6					33		99	Almandine-pyrope
14	7	20	3	Orange			17	26	5			3		49		100	Almandine-pyrope
9	9	17	4	Orange		2	15	27	10			2		45		101	Almandine-pyrope
11	5	18	3	Orange		2	13	22	1					61		99	Almandine-pyrope
4	9	13	6	Orange		2	52	28			2			16		100	Almandine-pyrope
5	6	14	5	Orange		2	51	33						13		99	Almandine-pyrope
10	7	17	6	Orange		2	56	33						10		101	Almandine-pyrope

Loring Laboratories Ltd.

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File No: 50000
Client: Paul Hawkins Consultants

Microprobe Data

Date: Oct 28/2007

PYROPES

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
7	1	15	5	Orange		3	57	35						5		100	Staurolite
12	10	18	7	Orange		3	57	32						9		101	Staurolite
3	10	12	6	Orange		2	56	32			1			10		101	Staurolite
4	8	13	6	Orange		2	56	34						8		100	Staurolite
5	8	14	5	Orange		2	56	31			1			11		101	Staurolite
6	1	15	1	Orange		3	56	33			1			9		102	Staurolite
8	3	16	6	Orange		2	56	33			1			9		101	Staurolite
14	2	19	5	Orange		3	56	34			1			8		102	Staurolite
5	4	14	5	Orange		1	55	32			1			10		99	Staurolite
5	10	14	5	Orange		2	55	30			1			12		100	Staurolite
6	10	15	5	Orange		3	55	30						12		100	Staurolite
7	3	15	6	Orange		2	55	30			1			12		100	Staurolite
7	9	16	3	Orange		2	55	32			1			10		100	Staurolite
8	2	16	6	Orange		1	55	34						10		100	Staurolite
10	2	17	5	Orange		3	55	30						12		100	Staurolite
10	4	17	6	Orange		3	55	30						13		101	Staurolite
10	8	17	6	Orange		2	55	32						11		100	Staurolite
11	9	18	5	Orange		2	55	32						10		99	Staurolite
14	6	19	6	Orange		3	55	31			1			11		101	Staurolite
14	8	20	6	Orange		2	55	35						8		100	Staurolite
15	3	25	5	Orange		3	55	32						10		100	Staurolite
3	2	11	6	Orange		2	54	27			1			15		99	Staurolite
3	9	12	6	Orange		2	54	27						17		100	Staurolite
5	5	14	5	Orange		2	54	31						13		100	Staurolite
7	7	15	6	Orange		2	54	31						14		101	Staurolite
7	10	16	4	Orange		2	54	29			1			14		100	Staurolite
10	3	17	6	Orange		2	54	30			1			14		101	Staurolite
13	6	19	4	Orange		3	54	32						11		100	Staurolite
13	8	19	4	Orange		2	54	28			1			16		101	Staurolite
15	6	25	6	Orange		3	54	36						8		101	Staurolite
15	9	26	5	Orange		2	54	33			1			10		100	Staurolite
3	3	11	6	Orange		3	53	29						15		100	Staurolite
5	7	14	5	Orange		2	53	27						17		99	Staurolite
8	6	16	6	Orange			53	30						17		100	Staurolite
11	7	18	4	Orange		1	53	30			1			14		99	Staurolite
12	1	18	6	Orange		2	53	32			1			13		101	Staurolite
12	2	18	6	Orange		2	53	38			1			7		101	Staurolite
13	10	19	4	Orange	1	2	53	31	1		1			11		100	Staurolite
15	4	25	5	Orange		2	53	28			1			17		101	Staurolite
15	10	26	6	Orange		3	53	30						15		101	Staurolite
7	8	15	6	Orange	1	2	52	26			1			18		100	Staurolite
8	7	16	6	Orange		1	52	27			1			19		100	Staurolite
10	1	17	5	Orange		3	52	29						17		101	Staurolite
10	9	17	6	Orange			52	29						19		100	Staurolite
3	4	11	6	Orange		2	51	27			1			19		100	Staurolite
4	6	13	4	Orange		2	51	29			1			17		100	Staurolite
11	10	18	6	Orange		3	51	28						18		100	Staurolite
12	5	18	7	Orange		2	51	28						19		100	Staurolite
12	6	18	7	Orange		2	51	30						17		100	Staurolite
13	9	19	4	Orange		1	51	30						17		99	Staurolite
14	4	19	6	Orange		3	51	32						14		100	Staurolite
15	5	25	5	Orange		2	51	29						19		101	Staurolite
4	10	13	6	Orange		2	50	34			1			14		101	Staurolite
5	9	14	5	Orange		3	50	38						10		101	Staurolite
12	3	18	6	Orange		3	50	32						15		100	Staurolite
13	4	19	3	Orange		2	50	28			1		1	19		101	Staurolite
13	7	19	4	Orange		1	50	29						19		99	Staurolite
14	1	19	5	Orange			50	26						24		100	Staurolite
3	1	11	5	Orange		2	48	42	1	1	1			7		102	Staurolite

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[redacted] No: 50000
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Date: Oct 28/2007

PYROPES

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
6	9	15	5	Orange			47	40						13		100	Staurolite
7	2	15	5	Orange		2	47	40						11		100	Staurolite
12	8	18	7	Orange		2	47	38						13		100	Staurolite
14	5	19	6	Orange		2	47	40		1	1			9		100	Staurolite
7	4	15	6	Orange			45	31						24		100	Staurolite
12	9	18	7	Orange		2	45	32						18		97	Staurolite
10	6	17	6	Orange			44	24						32		100	?
7	6	15	6	Orange			43	29	4		2			23		101	?
8	4	16	6	Orange			43	34	2		2			20		101	?
10	5	17	6	Orange			43	25						33		101	?
12	4	18	6	Orange		2	39	23						36		100	?
8	5	16	6	Orange			34	42	4					20		100	?
11	1	18	3	Orange		2	34	39	3					23		101	?
6	2	15	2	Orange		3	30	34	2					31		100	?
6	3	15	2	Orange		7	29	51	2					13		102	?
4	1	13	2	Orange			28	54	2			5		12		101	?
6	4	15	2	Orange		6	27	39	2					26		100	?
8	10	17	2	Orange		8	27	48	2			1		13		99	?
9	1	17	3	Orange		2	26	48	6					17		99	?
11	4	18	3	Orange		7	26	46	2					18		99	?
12	7	18	7	Orange			26	61			1			12		100	?
2	6	11	1	Orange		4	25	47	5					20		101	Almandine-pyrope
[redacted]	9	11	3	Orange		5	25	46	2					22		100	Almandine-pyrope
3	8	12	3	Orange		5	25	45	1					24		100	Almandine-pyrope
4	7	13	5	Orange		4	25	46	4					22		101	Almandine-pyrope
7	5	15	6	Orange			25	48	22					6		101	Almandine-pyrope
11	3	18	3	Orange		5	25	45	9					17		101	Almandine-pyrope
13	1	19	2	Orange		4	25	42	3					27		101	Almandine-pyrope
2	10	11	3	Orange		8	24	44	2					23		101	Almandine-pyrope
4	5	13	3	Orange			24	43	1			9		23		100	Almandine-pyrope
5	1	14	3	Orange		4	24	46	6					20		100	Almandine-pyrope
6	8	15	4	Orange		1	24	43	5			3		24		100	Almandine-pyrope
8	1	16	6	Orange		7	24	38	3			1		27		100	Almandine-pyrope
9	3	17	3	Orange		4	24	45	2			1		23		99	Almandine-pyrope
11	6	18	3	Orange			24	42	3			6		26		101	Almandine-pyrope
14	10	25	3	Orange		3	24	44	6					23		100	Almandine-pyrope
3	5	12	2	Orange		10	23	44	8					15		100	Almandine-pyrope
4	3	13	3	Orange			23	37	3					37		100	Almandine-pyrope
6	6	15	3	Orange			23	48	2			9		17		99	Almandine-pyrope
9	4	17	3	Orange		3	23	43	6			1		24		100	Almandine-pyrope
10	10	17	7	Orange			23	67						9		99	Almandine-pyrope
15	2	25	4	Orange		4	23	42	5			1		25		100	Almandine-pyrope
15	8	26	3	Orange		3	23	42	4					28		100	Almandine-pyrope
5	3	14	3	Orange			22	40	7			1		31		101	Almandine-pyrope
6	5	15	3	Orange		4	22	42	3					29		100	Almandine-pyrope
8	9	17	2	Orange		4	22	38	3			1	1	32		101	Almandine-pyrope
13	3	19	3	Orange		3	22	41	6			1		27		100	Almandine-pyrope
14	9	20	6	Orange		3	22	41	8			2		25		101	Almandine-pyrope
5	2	14	3	Orange		2	21	39	5			1		32		100	Almandine-pyrope
6	7	15	4	Orange		3	21	36	5			2		34		101	Almandine-pyrope
8	8	17	2	Orange		6	21	36	3			2		33		101	Almandine-pyrope
9	5	17	3	Orange		2	21	43	6		3	2		23		100	Almandine-pyrope
14	3	19	5	Orange			21	44	27					7		99	Almandine-pyrope
[redacted]	1	25	3	Orange		5	21	37	7			1		30		101	Almandine-pyrope
2	8	11	2	Orange		4	20	37	3					36		100	Almandine-pyrope
3	6	12	3	Orange		2	20	37	3					37		99	Almandine-pyrope
3	7	12	3	Orange			20	35	2					43		100	Almandine-pyrope
4	2	13	3	Orange			20	34	2			5		39		100	Almandine-pyrope
4	4	13	3	Orange		2	20	36	7					36		101	Almandine-pyrope

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
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Tel: 274-2777 Fax: 275-0541

File No: 50000
Client: Paul Hawkins Consultants

Microprobe Data

Date: Oct 28/2007

PYROPES

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	K2O	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	
9	8	17	3	Orange			20	38	7			2		33		100	Almandine-pyrope
9	10	17	4	Orange		4	20	38	6					32		100	Almandine-pyrope
11	2	18	3	Orange		3	20	34	5					38		100	Almandine-pyrope
11	8	18	4	Orange		4	20	38	7			2		30		101	Almandine-pyrope
13	2	19	3	Orange		2	20	35	2					41		100	Almandine-pyrope
15	7	26	2	Orange		3	20	35	3			1		40		102	Almandine-pyrope
2	7	11	2	Orange		4	19	35	1			3		38		100	Almandine-pyrope
9	6	17	3	Orange			18	32	3					48		101	Almandine-pyrope
9	7	17	3	Orange			18	52	2			1		27		100	Almandine-pyrope
13	5	19	4	Orange		1	18	34	17		1	3		25		99	Almandine-pyrope
9	2	17	3	Orange			17	43	6					33		99	Almandine-pyrope
14	7	20	3	Orange			17	26	5			3		49		100	Almandine-pyrope
9	9	17	4	Orange		2	15	27	10			2		45		101	Almandine-pyrope
11	5	18	3	Orange		2	13	22	1					61		99	Almandine-pyrope
4	9	13	6	Orange		2	52	28			2			16		100	Almandine-pyrope
5	6	14	5	Orange		2	51	33						13		99	Almandine-pyrope
10	7	17	6	Orange		2	56	33						10		101	Almandine-pyrope

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
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Tel: 274-2777 Fax: 275-0541

File No: 50208
Client: Paul Hawkins Consultants

Microprobe Data

Date: Oct 28/2007

ILMENITE

Row	Column	Sample #	Fraction	Colour	MgO	Al2O3	SiO2	CaO	TiO2	MnO	Cr2O3	Fe2O3	Total	Mineral
3	10	26	3	Black					48	3	50		101	?
2	1	14	2	Black	11	13	4	1	1	1	49	21	101	Chromite
2	6	16	2	Black	7	3	1		5		36	48	100	Chromite
1	4	11	3	Black	5				72		1	22	100	Ti>Fe ?
2	2	14	3	Black					64			36	100	Ti>Fe ?
2	8	17	2	Black					64	2		35	101	Ti>Fe ?
3	4	19	1	Black					64	2		34	100	Ti>Fe ?
2	10	17	3	Black					62	2		36	100	Ti>Fe ?
3	8	25	1	Black					56			44	100	Ilmenite
1	3	11	3	Black	11				55		1	35	102	Ilmenite
1	8	12	3	Black					51	9		40	100	Ilmenite
1	5	12	2	Black					50	1		49	100	Ilmenite
2	3	15	2	Black					50	2		49	101	Ilmenite
1	10	13	3	Black					49	2		49	100	Ilmenite
2	4	15	2	Black	13				48		1	38	100	Ilmenite
1	6	12	2	Black					48	4		48	100	Ilmenite
1	7	12	3	Black					48	6		45	99	Ilmenite
1	9	13	3	Black					48	2		51	101	Ilmenite
3	2	18	2	Black					48	4		49	101	Ilmenite
2	7	16	3	Black	3				47			50	100	Ilmenite
3	3	18	2	Black			3	1	47	3		45	99	Ilmenite
3	6	20	3	Black					47	2		51	100	Ilmenite
3	7	20	3	Black		2	3	1	47	3		46	102	Ilmenite
3	9	25	2	Black		4	2		46	2		46	100	Ilmenite
1	2	11	2	Black	8				41		3	48	100	Ilmenite
2	9	17	2	Black					12			89	101	Ti -mag
3	1	18	1	Black	4	4	7		2			82	99	Ti -mag
1	1	11	2	Black								100	100	Mag
2	5	15	2	Black								100	100	Mag
3	5	19	1	Black	2	42	27					30	101	?Chloritoid

Loring Laboratories Ltd.

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No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

CLINOPYROXENE Stub C

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	TiO2	MnO	Cr2O3	Fe2O3	Total	
4	1	11	1	Green	1	19	6	59	13				4	102	
4	2	11	1	Green	2	17	8	55	14			1	4	101	
4	3	11	7	Green		15	1	54	24				5	99	
4	4	11	7	Green	2	17	6	54	15			1	3	98	
4	5	11	6	Green		14		54	23				9	100	
4	6	12	6	Green		5		9	30				57	101	
4	7	12	7	Green	1	14	7	56	16	1			4	99	
4	8	13	7	Green		14	2	53	24				9	102	
4	9	13	7	Green	2	8	8	54	14			1	3	90	
4	10	14	1	Green		18		54	23				5	100	
5	1	14	1	Green	2	16	2	55	20			2	3	100	
5	2	14	7	Green	1	19	2	56	17			1	5	101	
5	3	14	8	Green		15		56	23				6	100	
5	4	14	8	Green	1	16	7	53	19			1	4	101	
5	5	15	1	Green		18	4	56	19			1	3	101	
5	6	15	1	Green		16	1	53	21			1	8	100	
5	7	15	7	Green		10	3	39	32				17	101	
5	8	16	1	Green		18	2	53	14		2		11	100	
5	9	16	1	Green		15	3	54	20				9	101	
5	10	17	1	Green		21		59	16				3	99	
6	1	17	1	Green			11	52	20	3			15	101	
6	2	17	7	Green		14	6	46	26				7	99	
6	3	17	7	Green		13		49	29				9	100	
6	4	18	1	Green		19	7	57	15				3	101	
6	5	18	6	Green		49		43					8	100	
6	6	18	7	Green		22	7	51	15			1	4	100	
6	7	19	1	Green	2	20	5	57	13			1	2	100	
6	8	19	6	Green	1	18	6	55	17				4	101	
6	9	19	7	Green	1	18	9	53	15				4	100	
6	10	19	8	Green	2	18	7	55	14			1	2	99	
5	10	17	1	Green		21		59	16				3	99	Diopside?
4	1	11	1	Green	1	19	6	59	13				4	102	Diopside?
6	4	18	1	Green		19	7	57	15				3	101	Diopside?
6	7	19	1	Green	2	20	5	57	13			1	2	100	Diopside?
5	3	14	8	Green		15		56	23				6	100	Diopside?
5	5	15	1	Green		18	4	56	19			1	3	101	Diopside?
5	2	14	7	Green	1	19	2	56	17			1	5	101	Diopside?
4	7	12	7	Green	1	14	7	56	16	1			4	99	Diopside?
5	1	14	1	Green	2	16	2	55	20			2	3	100	Diopside?
6	8	19	6	Green	1	18	6	55	17				4	101	Diopside?
4	2	11	1	Green	2	17	8	55	14			1	4	101	Diopside?
6	10	19	8	Green	2	18	7	55	14			1	2	99	Diopside?
4	3	11	7	Green		15	1	54	24				5	99	Diopside?
4	5	11	6	Green		14		54	23				9	100	Diopside?
5	9	16	1	Green		15	3	54	20				9	101	Diopside?
4	4	11	7	Green	2	17	6	54	15			1	3	98	Diopside?
4	9	13	7	Green	2	8	8	54	14			1	3	90	Diopside?

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
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Tel: 274-2777 Fax: 275-0541

No: 50208
Client: Paul Hawkins Consultants Microprobe Data Date: Oct 28/2007

CLINOPYROXENE

Stub C

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	TiO2	MnO	Cr2O3	Fe2O3	Total	
4	8	13	7	Green		14	2	53	24				9	102	Diopside?
5	6	15	1	Green		16	1	53	21			1	8	100	Diopside?
5	4	14	8	Green	1	16	7	53	19			1	4	101	Diopside?
6	9	19	7	Green	1	18	9	53	15				4	100	Diopside?
5	8	16	1	Green		18	2	53	14		2		11	100	Diopside?
6	1	17	1	Green			11	52	20	3			15	101	Diopside?
6	6	18	7	Green		22	7	51	15			1	4	100	Diopside?
6	3	17	7	Green		13		49	29				9	100	Diopside?
6	2	17	7	Green		14	6	46	26				7	99	Diopside?
6	5	18	6	Green		49		43					8	100	Olivine
5	7	15	7	Green		10	3	39	32				17	101	Diopside?
4	10	14	1	Green		18		54	23				5	100	Diopside?
4	6	12	6	Green		5		9	30				57	101	?

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CLINOPYROXENE

Row	Column	Sample #	Fraction	Colour	Na2O	MgO	Al2O3	SiO2	CaO	TiO2	MnO	Cr2O3	Fe2O3	ZrO2	Total	Mineral
5	10	17	1	Green		21		59	16				3		99	Diopside?
4	1	11	1	Green	1	19	6	59	13				4		102	Diopside?
6	4	18	1	Green		19	7	57	15				3		101	Diopside?
6	7	19	1	Green	2	20	5	57	13			1	2		100	Diopside?
5	3	14	8	Green		15		56	23				6		100	Diopside?
5	5	15	1	Green		18	4	56	19			1	3		101	Diopside?
5	2	14	7	Green	1	19	2	56	17			1	5		101	Diopside?
4	7	12	7	Green	1	14	7	56	16	1			4		99	Diopside?
5	1	14	1	Green	2	16	2	55	20			2	3		100	Diopside?
6	8	19	6	Green	1	18	6	55	17				4		101	Diopside?
4	2	11	1	Green	2	17	8	55	14			1	4		101	Diopside?
6	10	19	8	Green	2	18	7	55	14			1	2		99	Diopside?
4	3	11	7	Green		15	1	54	24				5		99	Diopside?
4	5	11	6	Green		14		54	23				9		100	Diopside?
5	9	16	1	Green		15	3	54	20				9		101	Diopside?
4	4	11	7	Green	2	17	6	54	15			1	3		98	Diopside?
4	9	13	7	Green	2	8	8	54	14			1	3		90	Diopside?
4	8	13	7	Green		14	2	53	24				9		102	Diopside?
5	6	15	1	Green		16	1	53	21			1	8		100	Diopside?
5	4	14	8	Green	1	16	7	53	19			1	4		101	Diopside?
6	9	19	7	Green	1	18	9	53	15				4		100	Diopside?
5	8	16	1	Green		18	2	53	14		2		11		100	Diopside?
6	1	17	1	Green			11	52	20	3			15		101	Diopside?
6	6	18	7	Green		22	7	51	15			1	4		100	Diopside?
6	3	17	7	Green		13		49	29				9		100	Diopside?
6	2	17	7	Green		14	6	46	26				7		99	Diopside?
6	5	18	6	Green		49		43					8		100	Olivine
5	7	15	7	Green		10	3	39	32				17		101	Diopside?
4	10	14	1	Green		18		54	23				5		100	Diopside?
4	6	12	6	Green		5		9	30				57		101	?

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No: 50208
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OLIVINE

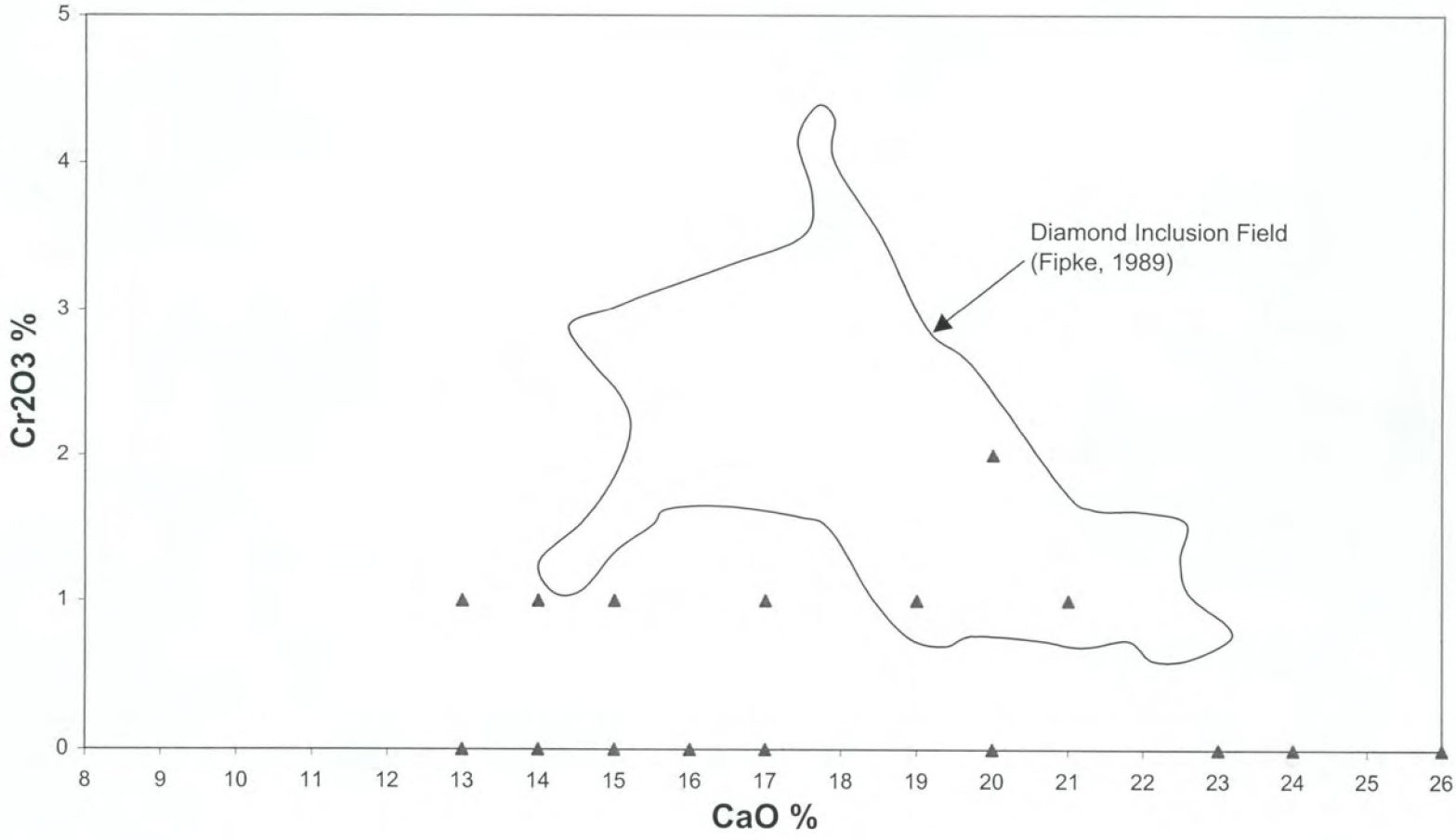
Stub C

Row	Column	Sample #	Fraction	Colour	MgO	Al2O3	SiO2	CaO	Cr2O3	Fe2O3	Total
7	1	090PH11	5	White	47	2	44			7	100
7	2	090PH11	6	White	43		37			20	100
7	3	090PH11	6	White	51		43			7	101
7	4	090PH11	6	White	51		42			8	101
7	5	090PH11	6	White	51		42			7	100
7	6	090PH11	6	White	48		43			9	100
7	7	090PH14	5	White	50		43			7	100
7	8	090PH14	5	White	33	2	56	1	1	7	100
7	9	090PH14	6	White		33	46	17		4	100
7	10	090PH14	6	White	29	2	56			14	101
8	1	090PH18	6	White	39		36			25	100
8	2	090PH18	7	White		25	37	26		12	100
8	3	090PH19	3	White	33		33			35	101
8	4	090PH19	3	White	42		42	1		15	100
8	5	090PH19	3	White	43		38			19	100
8	6	090PH19	3	White	46		41			13	100
8	7	090PH19	4	White	48		42			10	100
8	8	090PH19	4	White	46		44			10	100
8	9	090PH19	4	White	43		41			16	100
8	10	090PH19	5	White	48		40			12	100

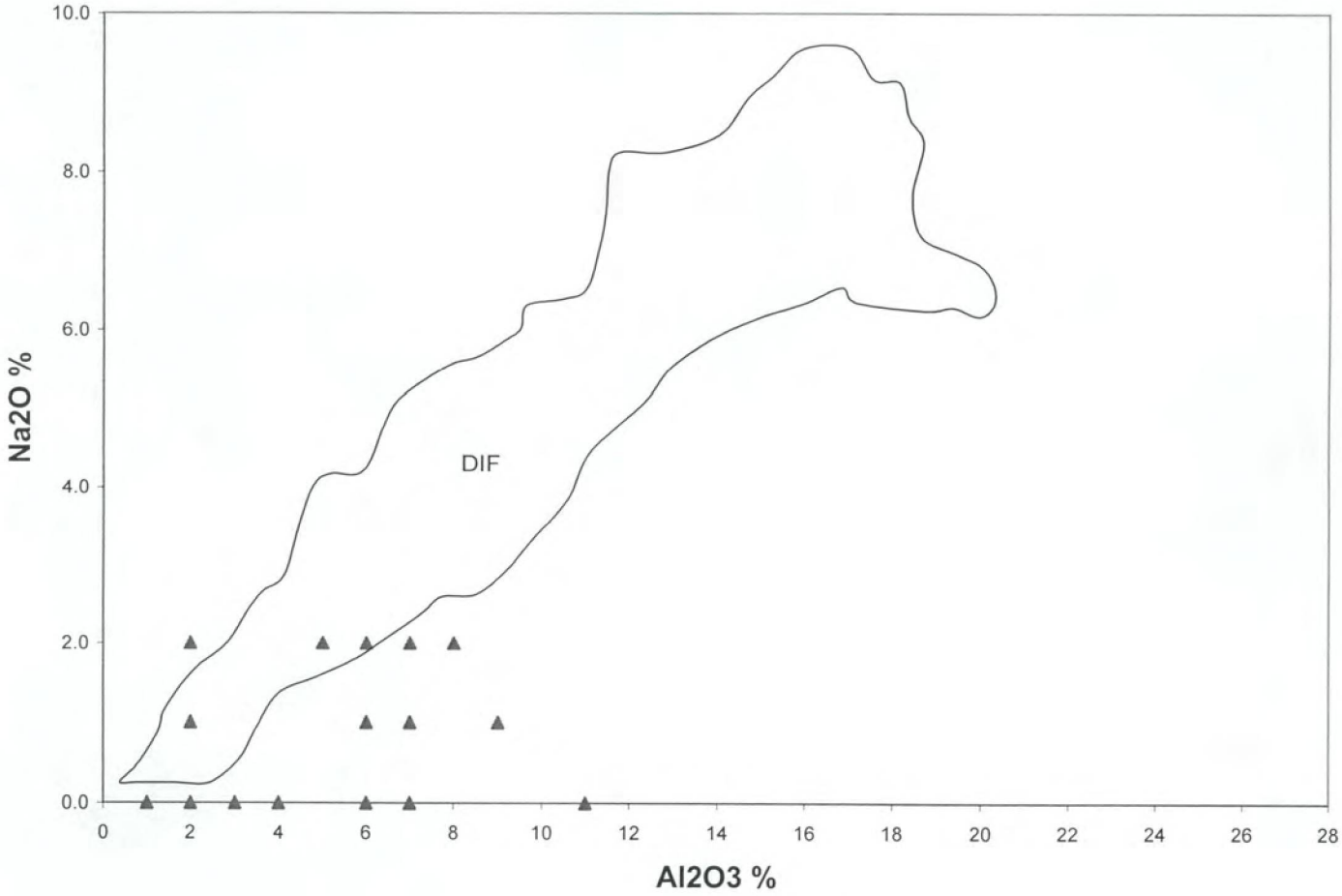
Row	Column	Sample #	Fraction	Colour	MgO	Al2O3	SiO2	CaO	Cr2O3	Fe2O3	Total	Mineral
7	3	090PH11	6	White	51		43			7	101	Olivine
7	4	090PH11	6	White	51		42			8	101	Olivine
7	5	090PH11	6	White	51		42			7	100	Olivine
7	7	090PH14	5	White	50		43			7	100	Olivine
7	6	090PH12	6	White	48		43			9	100	Olivine
8	7	090PH19	4	White	48		42			10	100	Olivine
8	10	090PH19	5	White	48		40			12	100	Olivine
7	1	090PH11	5	White	47	2	44			7	100	Olivine
8	6	090PH19	3	White	46		41			13	100	Olivine
8	8	090PH19	4	White	46		44			10	100	Olivine
7	2	090PH11	6	White	43		37			20	100	Olivine
8	5	090PH19	3	White	43		38			19	100	Olivine
8	9	090PH19	4	White	43		41			16	100	Olivine
8	4	090PH19	3	White	42		42	1		15	100	Olivine
8	1	090PH18	6	White	39		36			25	100	Olivine
7	8	090PH14	5	White	33	2	56	1	1	7	100	Olivine
8	3	090PH19	3	White	33		33			35	101	Olivine
7	10	090PH14	6	White	29	2	56			14	101	Olivine
7	9	090PH14	6	White		33	46	17		4	100	epidote
8	2	090PH18	7	White		25	37	26		12	100	epidote

Olivine

UUC / SUV Clinopyroxene Indicators



UUC / SUV Eclogitic Low-Chrome Diopsides



Loring Laboratories Ltd.
629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

File No: 50208-D
Client: PAUL HAWKINS & ASSOCIATES

Date: October 28, 2007

Pyroxene Classification (after Stephens and Dawson, 1977)

G #	Sample #	Location P#	Location C#	Data in wt % TiO2	Al2O3	Cr2O3	FeO	MgO	CaO	Na2O	ORTHOPYROXENE 1	2	3	4	5	CLINOPYROXENE 1	2	3	4	5	6	7	8	9	10
1	11	4	1		6	0	4	19	13	1						1									
1	11	4	2		8	1	4	17	14	2							2								
7	11	4	3		1	0	5	15	24	0							2								
7	11	4	4		6	1	3	17	15	2							2								
6	11	4	5			0	9	14	23	0									4						
6	12	4	6			0	57	5	30	0												7			
7	12	4	7	1	7	0	4	14	16	1								3							
7	13	4	8		2	0	9	14	24	0									4						
7	13	4	9		8	1	3	8	14	2														9	
1	14	4	10			0	5	18	23	0							2								
1	14	5	1		2	2	3	16	20	2										5					
7	14	5	2		2	1	5	19	17	1							2								
8	14	5	3			0	6	15	23	0							2								
8	14	5	4		7	1	4	16	19	1							2								
1	15	5	5		4	1	3	18	19	0							2								
1	15	5	6		1	1	8	16	21	0									4						
7	15	5	7		3	0	17	10	32	0									4						
1	16	5	8		2	0	11	18	14	0						1									
1	16	5	9		3	0	9	15	20	0									4						
1	17	5	10			0	3	21	16	0							2								
1	17	6	1	3	11	0	15		20	0								3							
7	17	6	2		6	0	7	14	26	0									4						
7	17	6	3			0	9	13	29	0									4						
1	18	6	4		7	0	3	19	15	0						1									
6	18	6	5			0	8	49	0	0	1														
7	18	6	6		7	1	4	22	15	0						1									
1	19	6	7		5	1	2	20	13	2							2								
6	19	6	8		6	0	4	18	17	1							2								
7	19	6	9		9	0	4	18	15	1						1									
8	19	6	10		7	1	2	18	14	2							2								
1	17	5	10			0	3	21	16								2								
1	11	4	1		6	0	4	19	13	1						1									
1	18	6	4		7	0	3	19	15							1									
1	19	6	7		5	1	2	20	13	2							2								
8	14	5	3		0	0	6	15	23								2								
1	15	5	5		4	1	3	18	19								2								
7	14	5	2		2	1	5	19	17	1							2								
7	12	4	7	1	7	0	4	14	16	1								3							
1	14	5	1		2	2	3	16	20	2										5					
6	19	6	8		6	0	4	18	17	1							2								
1	11	4	2		8	1	4	17	14	2							2								
8	19	6	10		7	1	2	18	14	2							2								
7	11	4	3		1	0	5	15	24								2								
6	11	4	5			0	9	14	23										4						
1	16	5	9		3	0	9	15	20										4						
7	11	4	4		6	1	3	17	15	2							2								
7	13	4	9		8	1	3	8	14	2														9	

Loring Laboratories Ltd.
629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

File No: 50208-D
Client: PAUL HAWKINS & ASSOCIATES

Date: October 28, 2007

Pyroxene Classification (after Stephens and Dawson, 1977)

G #	Sample #	Location P#	Location C#	TiO2	Al2O3	Cr2O3	FeO	MgO	CaO	Na2O
1	15	5	6		1	1	8	16	21	0
8	14	5	4		7	1	4	16	19	1
7	19	6	9		9	0	4	18	15	1
1	16	5	8		2	0	11	18	14	0
1	17	6	1	3	11	0	15		20	0
7	18	6	6		7	1	4	22	15	0
7	17	6	3			0	9	13	29	0
7	17	6	2		6	0	7	14	26	0
6	18	6	5			0	8	49	0	0
7	15	5	7		3	0	17	10	32	0
1	14	4	10			0	5	18	23	0
6	12	4	6			0	57	5	30	0

	ORTHOPYROXENE					CLINOPYROXENE									
	1	2	3	4	5	1	2	3	4	5	6	7	8	9	10
	1								4						
							2								
						1									
						1									
								3							
						1									
									4						
									4						
	1														
									4						
							2								
												7			

	ORTHOPYROXENE					CLINOPYROXENE									
	1	2	3	4	5	1	2	3	4	5	6	7	8	9	10
Total Pyroxene = 60	2	0	0	0	0	10	24	4	14	2	0	2	0	2	0

Appendix 2

Stream Sediment and Till Sample Data

Table 6
Table 7

Appendix 2 - Stream Sediments and Till Sample Data

The following tables compile results for regional stream sediments and till The associated township location maps provide relative locations using NAD27 version maps. GPS locations using NAD 83 were obtained using a Garmin GPS 45XL hand held unit, or a Garmin iQUE M6 Pocket PC, or a Garmin GPSmap 76CSx. Indicator Mineral Processing for a number of samples is incomplete as of the date of this report. Indicators for samples 90-01 to 90-05, T-2 to T-11, and PH01 to PH50 have been probed. All other indicators were picked based on visual examination of grains only at SRC. Multi-element ICP analysis is available for some of these samples either in this report or in a previous report (Hawkins, 2006a and 2006b). At some sample locations only a geochemical sample was obtained to determine regional variation of major element distribution.

Updated Stream Sediment Data

S/N	ATS	NTS	Zone	Easting	Northing	Description	Results (Indictor Minerals from SRC)						Other
							Garnets		cpx	ilmenite	Chromite	olivines	
							Pyropes	eclogitic					
90-03	084R19W5	84C/07	11	0501302	6238579	Sandy Gravel with clay	4	1	1	1		4	Bank Sample
90-04	083R18W5	84C/02	11	0512044	6224876	Clayey Silt		1	2		4	4	Bank sample
90-05	083R18W5	84C/02	11	0512115	6224793	Clayey Silt	9	1	9	1		>50	Active channel
PH27	083R18W5	84C/02	11	0513959	6228579	Organic Silt							Flood Channel
PH28	084R19W5	84C/07	11	0501302	6238985	Clay Silt	1				1	2	Bank sample
PH32	083R18W5	84C/02	11	0511994	6223436	Organic Silt						3	Flood Channel
PH70	084R19W5	84C/07	11	0501300	6238570	Sandy Gravel	2	-	-	-	4	12	Bank Sample

Table
Till Samples

S/N	ATS (all W5)	NTS	Zone	Easting	Northing	Description	Results (Indictor Minerals from Loring / UofA)						Other
							Garnets		cpx	ilmenite	Chromite	olivines	
							Pyropes	eclogitic					
90-01	3-85-18	84C	11	515014	6244905	Clay till	0			1		0	Burrow
90-02	10-85-18	84C	11	514475	6245230	Clay till	1			0		1	Burrow
PH01	13-13-84-17	84C	11	527497	6237912	Drill 5 –15m.	1		3			1	Cuttings
PH02				"	"	Drill 15 – 25m.	1		3			1	"
PH03				"	"	Drill 25 – 35m.	8		10			2	"
PH04				"	"	Drill 35 – 50m.	1		-			-	"
PH05				"	"	Drill 50 – 56m.	14		1			-	"
PH06				"	"	Drill 56 – 65m.	10		7			2	"
PH07				"	"	Drill 65 – 75m.	19		6			-	"
PH08				"	"	Drill 75 – 85m.	9		8			-	"
PH09				"	"	Drill 85 – 100	-		13			-	"
PH10	13-13-84-17	84C	11	"	"	Gravel	2		7				Sump

S/N	ATS (all W5)	NTS	Zone	Easting	Northing	Description	Preliminary Results (SRC)						
							Garnets		cpx	ilmenite	Chromite	Olivines	
							Pyropes	Ecloitic					
PH11	9-27-84-17	84C	11	0525728	6240872	Drill 30-45m.	2						Cuttings
PH12				"	"	Drill 60 – 85m.	0						"
PH13				"	"	Drill 85 – 100	0						"
PH14	08-34-84-17	84C	11	0525515	6242288	Drill 0-20m.	4						Cuttings
PH15				"	"	Drill 20 – 40m	0						"
PH16				"	"	Drill 40 – 60m.	0						"
PH17				"	"	Drill 60 – 80m.	2						"
PH18				"	"	Drill 80 – 100	0						"
PH19				"	"	Drill 100 - 120	0						"
PH20	11-25-84-17	84C	11	0527973	6241088	Gravel Till	0						
PH21	84-17	84C	11	0527458	6236692	Gravel Till	-					2	
PH22	08-34-84-17	84C	11	0525515	6242288	Dup of PH19						6	Cuttings
PH23	08-34-84-17	84C	11	0525515	6242288	Dup of PH16				1			Cuttings
PH24	08-34-84-17	84C	11	0525515	6242288	Dup of PH17					1	8	Cuttings
PH29	83-19	84C	11	0499685	6229796	Clay Till							Pit
PH30	85-19	84C	11	0505857	6246258	Clay Till					1		Pit
PH31	86-19	84C	11	0509035	6257190	Clay Till							Surface
PH33	80-16	84C	11	0511994	6224474	Clay Till	4	1		1	2	24	Pit
PH40	82-18	84C	11	0517811	6216967	Clay Till (pit)			1				6-7 m,
PH41	"	84C	11	"	"	"							5-6 m.
PH42	"	84C	11	"	"	"	1						3-5 m.
PH43	85-17	84C	11	0522087	6244265	Silty Clay (pit)			1				0.5 deep
PH44	84-17	84C	11	0526745	6240329	Clay Till (pit)						1	4m deep
PH45	84-17	84C	11	0527821	6240087	Lower Till (pit)					1	1	4m deep
PH46	84-17	84C	11	"	"	Upper Till (pit)	1				1		2m deep
PH47	84-17	84C	11	0525845	6241200	Clay Till (pit)							3m deep.
PH48	89-19-30	84C	11	0499227	6289890	Clay Till	-	-	-	-	-	-	Surface
PH49	89-19-03	84C	11	0531165	6282380	Gravel Till	4	-	1	2	2	5	Bank
PH50	89-19-30	84C	11	0531165	6282380	Gravel Till	3	-	-	1	5	20	Bank

S/N	ATS (all W5)	NTS	Zone	Easting	Northing	Description	Preliminary Results (SRC)						Other
							Garnets		cpx	ilemenite	Chromite	Olivines	
							Pyropes	Eclogitic					
T-1	86-19	84C	11	509067	6257215	Till	Soil	Only					Surface
T-2	83-15	84C	11	543553	6225676	Upper Till							0-1 m.
T-3	"	84C	11	"	"	Lower Till	Soil	Only					2 – 4m.
T-4	"	84C	11	"	"	Lower Till					1		4 - 5m.
T-5	84-17	84C	11	526058	6242250	Upper Till					1		0 - 2 m.
T-6	"	84C	11	"	"	Lower Till	1					2	2 – 4m.
T-7	"	84C	11	"	"	Lower Till				1	3		4 - 5 m.
T-8	"	84C	11	526096	6242232	Upper Till	Soil	Only					Road
T-9	"	84C	11	"	"	Lower Till	Soil	Only					Road
T-10	85-17	84C	11	526041	6242251	Upper Till	1				2	1	Pit
T-11	85-17	84C	11	"	"	Lower Till					1	1	Pit
T-12	18-84-17	84C	11	511246	6238145	Sandy Till	Soil	Only					Road
T-13	16-84-17	84C	11	511048	6238281	Sandy Till	soil	Only					Surface

1. "Soil Only" denotes geochemical sample only for major element ICP analysis.

S/N	ATS (all W5)	NTS	Zone	Easting	Northing	Description	Preliminary Results						Other
							Garnets		cpx	ilemenite	Chromite	Olivines	
							Pyropes	Eclogitic					
PH69 A B C	84-17-34	84C	11	0525665	6242062	Gravely till Upper Middle Lower	2 Soil Soil Soil	 Only Only Only	-	-	2	-	Pit Upper Middle Lower
PH70	84-17-26	84C	11	0527187	6240717	Gravely Till	-	-	-	1	2	11	Pit
PH71 A B	84-17-34	84C	11	0525535	6242177	 Clay Till Clay Till	 2 -	 - -	 - -	 2 -	 - 1	 1 2	Pit Lower Upper
PH72	84-17-34	84C	11	0525547	6242182	Clay Till	-	-	-	-	-	1	Pit
PH73	84-18-28	84C	11	0513213	6241230	Clay Till	2	-	-	1	-	-	Pit
PH74	84-18-28	84C	11	0512702	6240765	Clay Till	-	-	-	-	-	-	Pit
PH75	90-20-23	84C	11	0496088	6297745	Clay till	1	-	-	-	-	-	R. Cut
PH76	90-20-23	84C	11	0496032	6297531	Clay Till	-						R. Cut
PH77	89-19-03	84C	11	0502990	6282782	Sandy Till	-	-	-	-	-	1	Hillside
PH78	82-16-16	84C	11	0534712	6217949	Clay Till							Pit
PH89	84-20-23	84C	11	0496429	6238746	Silty Till	-	-	-	-	1	1	Bank
PH90 A B G	84-19-13	84C	11	0508431	6237256	Clay Till Clay Till Sandy Till Clay Till	1 Soil Soil Soil	- Only Only Only	-	1	2	-	Site#3 Pit
PH91 A B	84-20-13	84C	11	0449205	6236921	Clay Till U Clay Till L Clay Till	- Soil Soil	- Only Only	2	-	-	1	Pit
PH 090	84-18-13	84C	11	0511640	6240021	ClayTill	-	-	-	-	-	5	DeepPit

Appendix 3

Major Element Analysis on Till Samples

(Please note samples with the prefix 213 relate to another project area..)

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

TO: PAUL A. HAWKINS & ASSOCIATES LTD.
72 Strathlorne Cr. S.W.
Calgary, Alberta
T3H 1M8
Attn: Paul Hawkins

FILE: 49592

DATE: April 19, 2007

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
090PH69-A	<0.5	1.04	12	<1	7	296	<1	1.62	1	28	23	25	2.56	0.17	26	0.61	131	3	0.02	24	0.06	7	1	56	<1	0.01	<1	41	<1	56
090PH69-B	<0.5	1.13	12	<1	8	252	<1	1.82	1	31	22	24	2.57	0.17	29	0.54	315	2	0.02	29	0.06	12	2	57	2	0.01	<1	49	<1	63
090PH69-C	<0.5	1.13	12	<1	8	237	<1	1.75	1	31	24	26	2.63	0.18	28	0.55	343	3	0.02	29	0.06	18	2	57	5	0.01	<1	44	<1	62
090PH70	<0.5	0.94	12	<1	7	230	<1	1.09	1	29	16	24	2.40	0.14	25	0.50	261	2	0.01	24	0.06	11	2	45	<1	0.01	<1	36	<1	62

0.500 Gram sample is digested with Aqua Regia at 95 C for one hour and bulked to 10 ml with distilled water.
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.
"R" denotes duplicate sample analyzed.

Certified by: [redacted]

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

TO: PAUL HAWKINS & ASSOCIATES LTD.
72 Strathlorne Cres SW
Calgary, Alberta

FILE: 4 9 9 3 1

DATE: Sept 06, 2007

Attn: Paul Hawkins

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
090PH70	<0.5	0.36	20	<1	23	287	<1	4.44	4	49	52	3	5.74	0.08	27	0.51	1818	2	0.02	15	0.14	1	3	54	<1	0.01	<1	93	<1	58
090PH70A	<0.5	0.34	23	<1	22	380	<1	1.16	4	48	60	1	5.34	0.07	16	0.39	694	2	0.02	14	0.13	<1	4	36	<1	0.02	<1	60	<1	27
090PH71A	<0.5	1.11	11	<1	32	409	<1	1.14	2	25	43	18	2.25	0.21	22	0.50	259	2	0.02	19	0.05	<1	3	46	<1	0.01	<1	82	<1	69
090PH71B	<0.5	1.07	10	<1	29	255	<1	1.64	2	25	37	18	2.05	0.22	22	0.49	238	2	0.02	22	0.04	<1	2	48	<1	0.01	<1	71	<1	69
090PH72	<0.5	0.95	10	<1	25	261	<1	1.10	2	24	29	18	1.94	0.18	22	0.46	218	2	0.01	21	0.04	<1	3	38	1	0.01	<1	76	<1	67
090PH73	<0.5	1.02	11	<1	27	429	<1	1.55	2	24	33	19	2.11	0.20	22	0.64	202	2	0.02	18	0.04	<1	1	53	<1	0.01	<1	76	<1	69
090PH74	<0.5	1.09	11	<1	30	290	<1	1.10	2	25	36	20	2.20	0.21	21	0.49	352	2	0.02	21	0.05	<1	3	48	<1	0.01	<1	55	<1	78
216PH75	<0.5	0.52	7	<1	22	698	<1	1.67	2	22	58	9	2.04	0.14	19	0.56	412	1	0.02	10	0.04	<1	2	31	<1	0.03	<1	71	<1	36
216PH76	<0.5	1.01	10	<1	29	271	<1	2.18	2	23	36	19	2.17	0.21	25	0.63	277	2	0.01	19	0.05	<1	2	48	<1	0.01	<1	82	<1	68
216PH77	<0.5	0.99	10	<1	34	292	<1	1.51	2	24	31	19	2.22	0.19	20	0.55	248	2	0.02	19	0.05	<1	0	55	<1	0.01	<1	103	<1	75
090PH78	<0.5	0.83	7	<1	26	179	<1	1.66	1	20	34	13	1.69	0.17	20	0.57	232	1	0.02	15	0.04	<1	1	43	<1	0.01	<1	82	<1	49
090ST1	<0.5	0.14	1	<1	19	30	<1	0.07	<1	4	46	1	0.38	0.04	6	0.04	52	<1	0.01	3	0.01	<1	2	4	<1	0.01	<1	22	<1	5
090ST2A	<0.5	0.50	4	<1	20	114	<1	1.42	1	10	48	5	0.90	0.08	17	0.23	264	<1	0.02	9	0.03	<1	2	23	<1	0.02	<1	71	<1	20
090ST3	<0.5	0.51	3	<1	25	124	<1	1.47	1	10	65	4	0.92	0.08	19	0.23	285	<1	0.02	9	0.03	<1	2	23	6	0.02	<1	76	<1	20
090PH70 CK	<0.5	0.35	18	<1	26	280	<1	4.25	4	48	51	3	5.38	0.08	28	0.51	1724	2	0.02	16	0.14	<1	3	54	<1	0.01	<1	98	<1	50
BLK	<0.5	<0.01	<1	<1	21	5	<1	0.05	<1	1	2	<1	0.05	<0.01	1	<0.01	18	<1	<0.01	<1	<0.01	1	1	<1	<1	<0.01	<1	11	<1	<1

0.500 Gram sample is digested with Aqua Regia at 95 C for one hour and bulked to 10 ml with distilled water.
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.

Certified by: _____

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

TO: PAUL HAWKINS & ASSOCIATES LTD.
72 Strathlorne Cres SW
Calgary, Alberta

FILE: 50190

DATE: Nov. 05, 2007

Attn: Paul Hawkins

30 ELEMENT ICP ANALYSIS

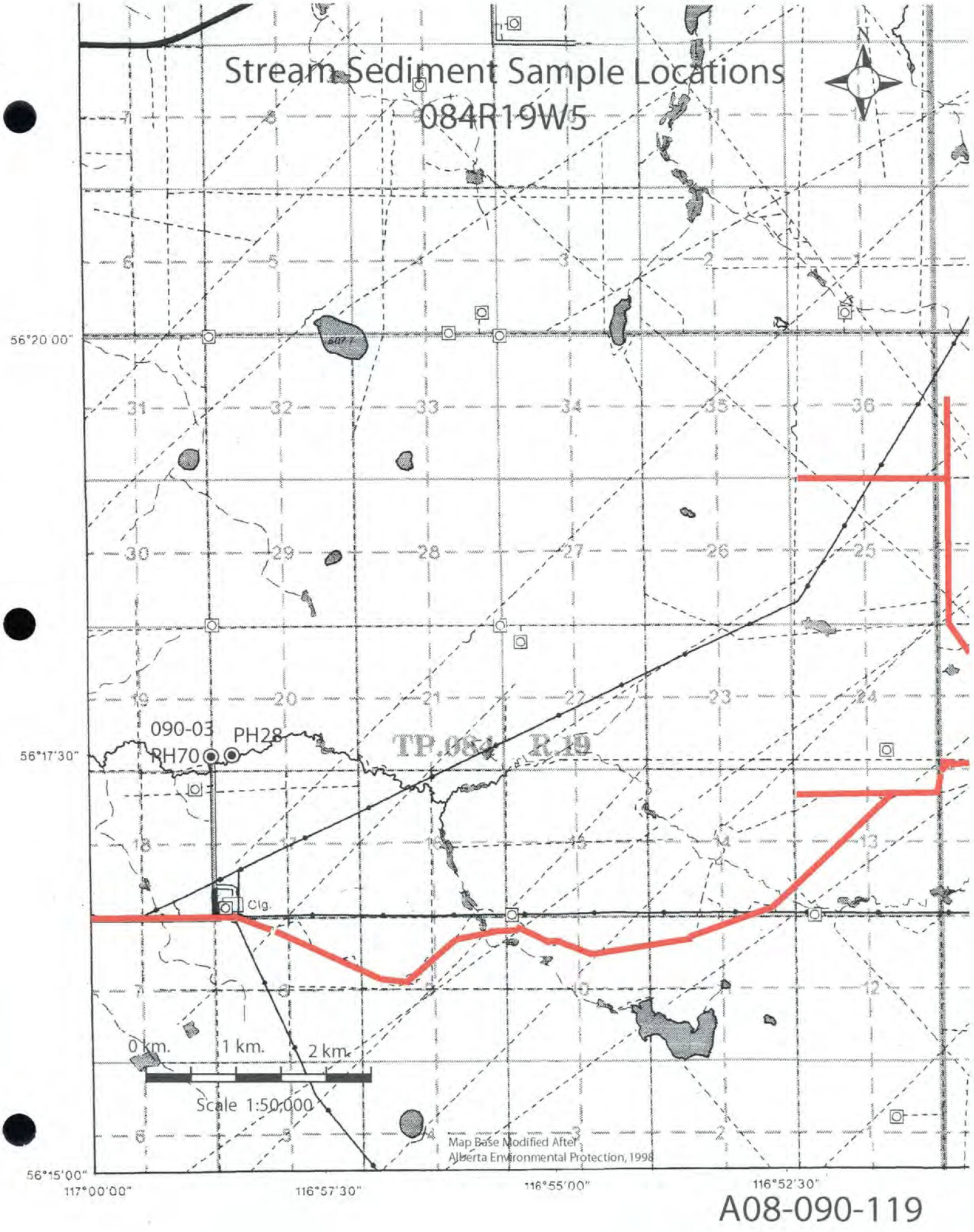
Sample No.	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
090PH89	<0.5	0.99	10	<1	<1	161	<1	1.47	1	24	42	23	2.17	0.21	24	0.62	284	2	0.03	25	0.07	4	2	54	11	<0.01	<1	38	<1	78
090PH90A	<0.5	0.94	9	<1	<1	226	<1	1.86	<1	21	65	19	2.11	0.19	27	0.57	184	2	0.02	16	0.05	4	3	44	8	<0.01	<1	35	<1	63
090PH90B	<0.5	1.54	9	<1	<1	238	<1	0.40	1	26	54	20	2.41	0.21	20	0.34	234	2	0.01	23	0.03	<1	3	29	9	<0.01	<1	52	<1	64
090PH90G	<0.5	0.56	5	<1	<1	185	<1	2.18	<1	14	78	9	1.36	0.13	24	0.43	247	1	0.02	12	0.04	2	3	33	3	0.01	<1	28	<1	29
090PH91A	<0.5	0.97	11	<1	<1	161	<1	1.47	1	24	44	20	2.23	0.21	25	0.57	344	2	0.04	27	0.06	5	2	53	7	<0.01	<1	35	<1	74
090PH91B	<0.5	1.53	9	<1	<1	60	<1	1.50	1	25	29	28	2.24	0.29	27	0.71	238	2	0.07	31	0.06	2	2	90	10	<0.01	<1	53	<1	73
blk	<0.5	<0.01	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	5	<0.01	<1	<1	<1	<1

0.500 Gram sample is digested with Aqua Regia at 95 C for one hour and bulked to 10 ml with distilled water.
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.

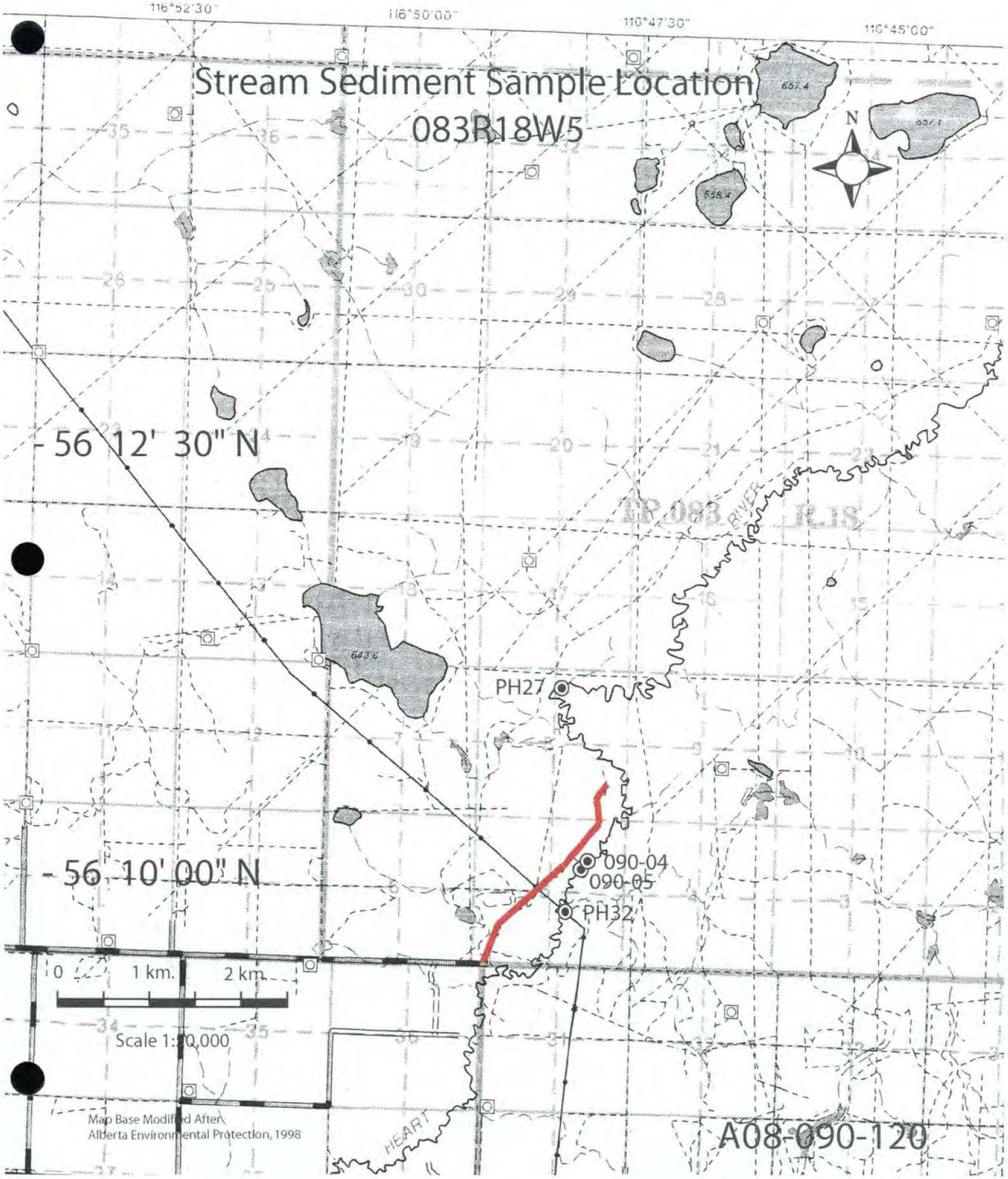
Certified by: _____

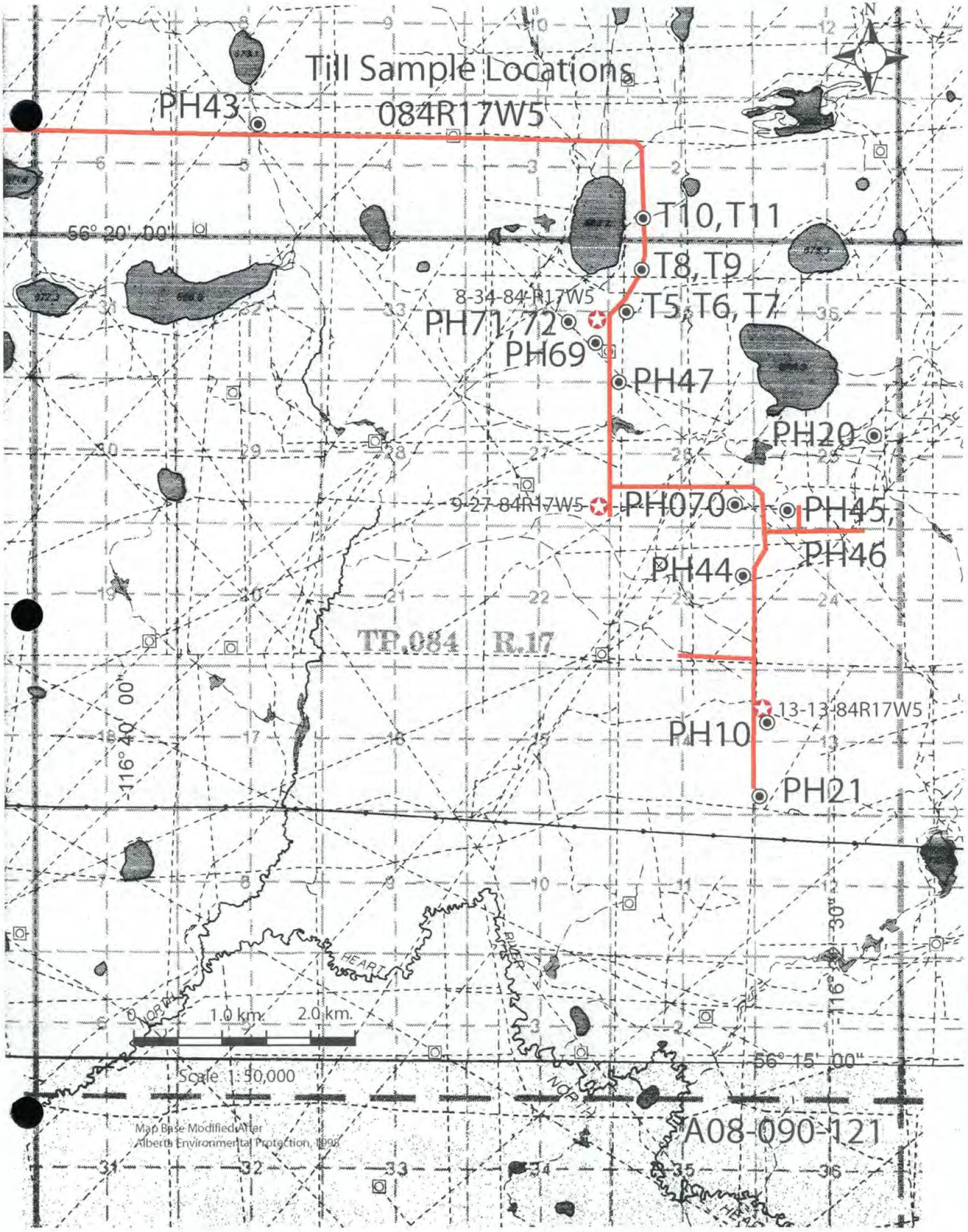
Appendix 4

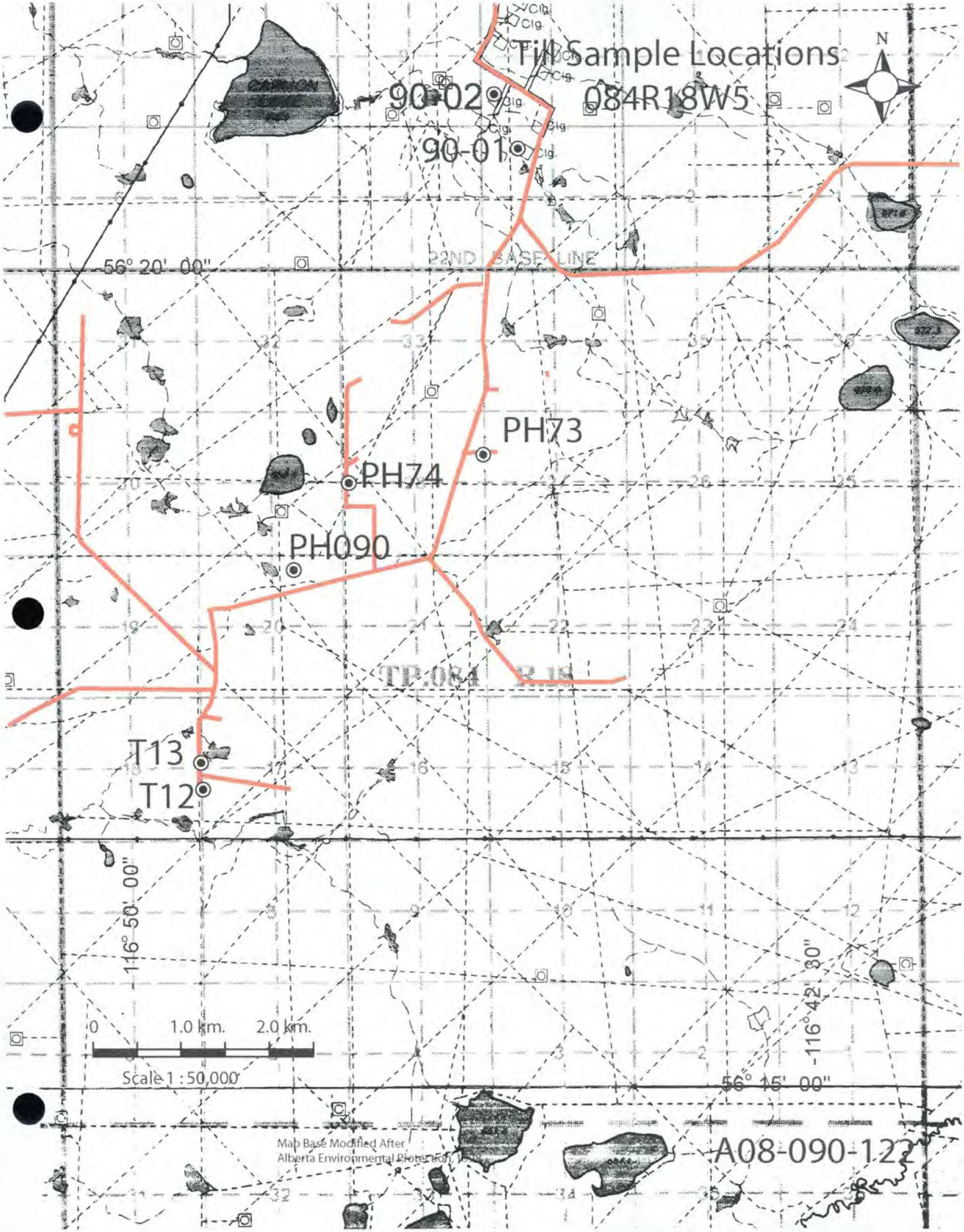
Sample Locations Maps

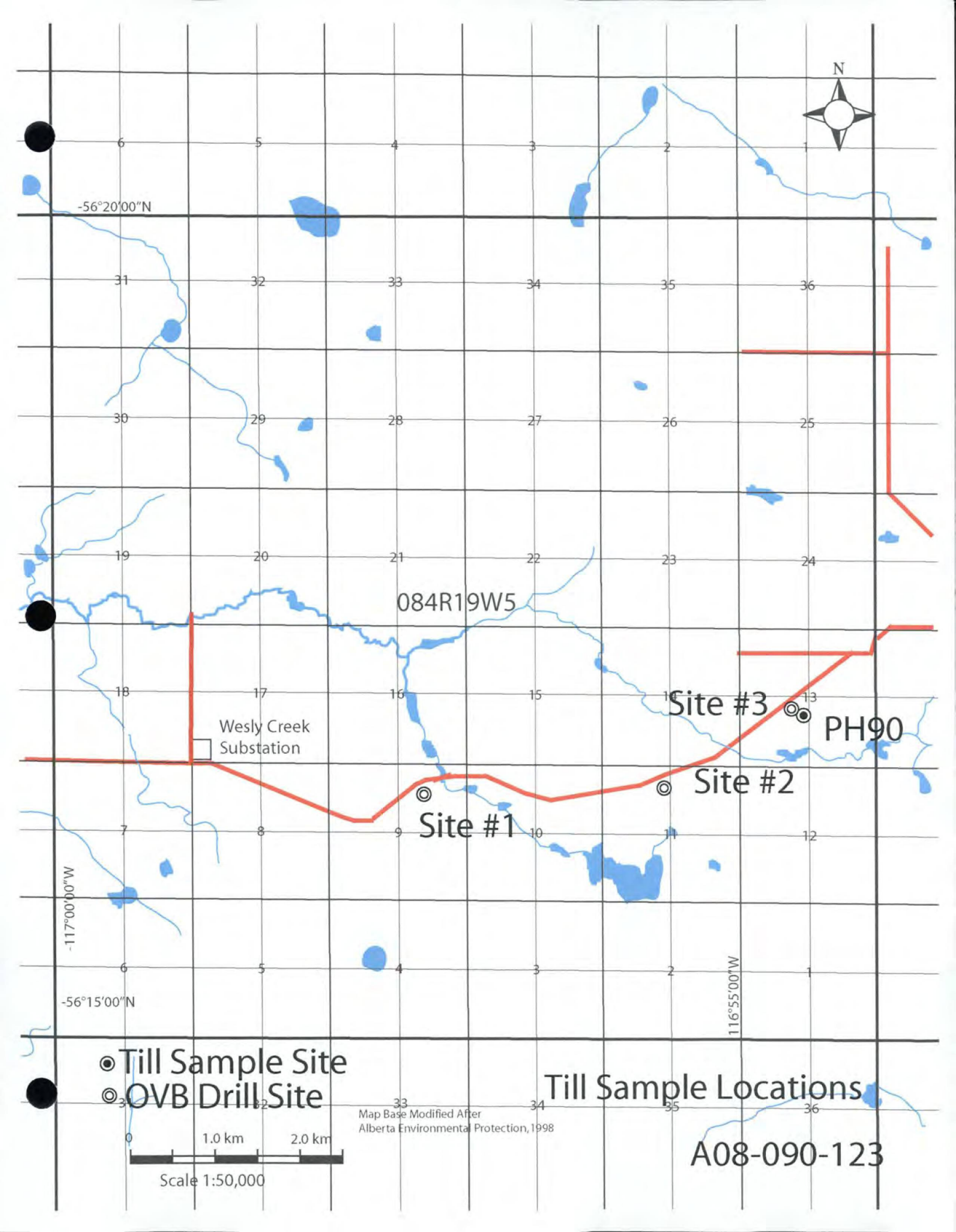

Stream Sediment Sample Locations
084R19W5
N
56°20'00"
56°17'30"
56°15'00"
117°00'00"
116°57'30"
116°55'00"
116°52'30"
090-03
PH28
RH70
TP.084 R.19
Clg.
0 km.
1 km.
2 km.
Scale 1:50,000
Map Base Modified After
Alberta Environmental Protection, 1998

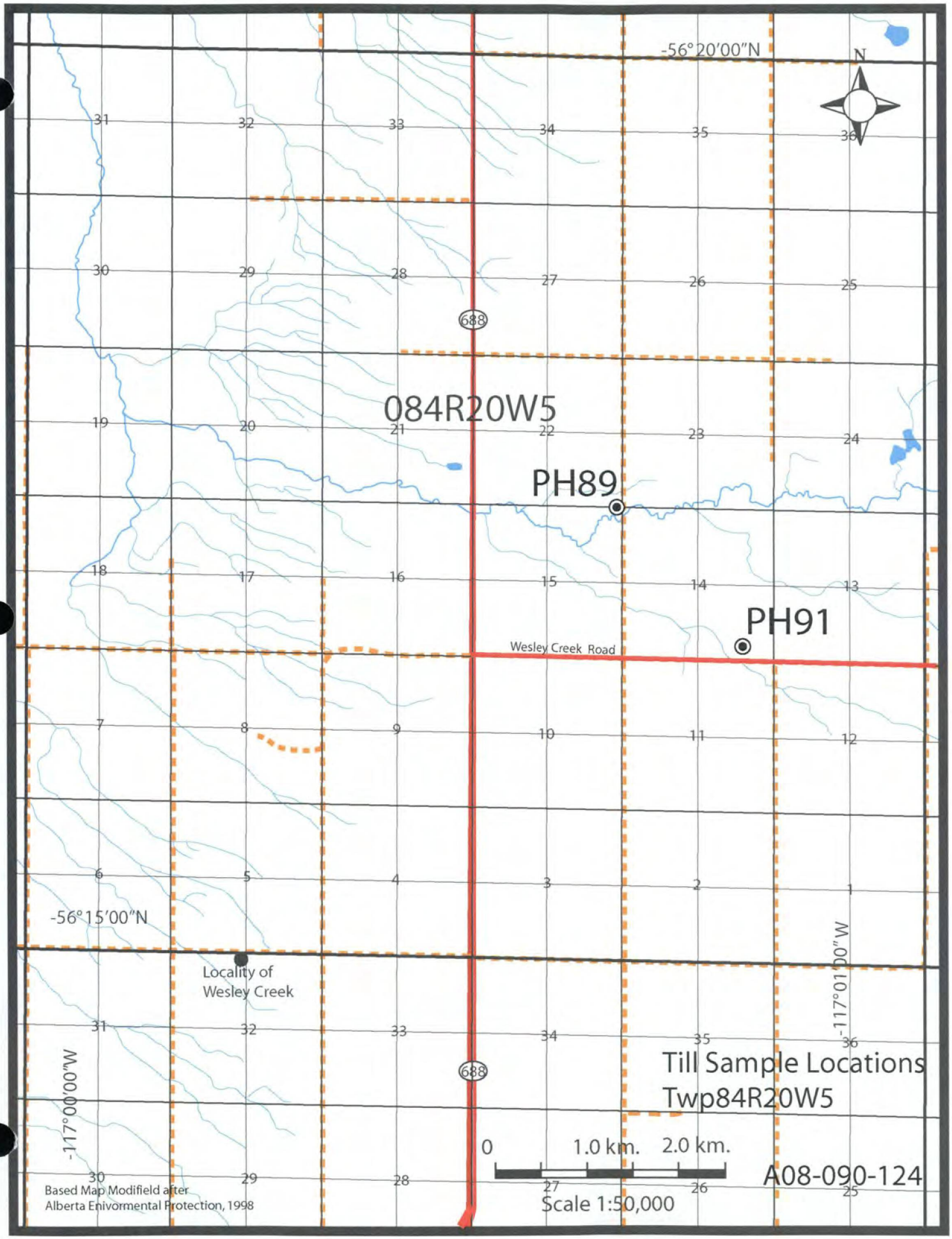
A08-090-119


Stream Sediment Sample Location
083R18W5
116°52'30"
116°50'00"
116°47'30"
116°45'00"
- 56 12' 30" N
- 56 10' 00" N
N
PH27
090-04
090-05
PH32
0
1 km.
2 km
Scale 1:50,000
Map Base Modified After
Alberta Environmental Protection, 1998
HEART
A08-090-120


Till Sample Locations
084R17W5
PH43
T10,T11
T8,T9
8-34-84-R17W5
T5,T6,T7
PH71,72
PH69
PH47
PH20
9-27-84R17W5
PH070
PH45,
PH46
PH44
TR.084 R.17
13-13-84R17W5
PH10
PH21
56° 20' 00"
116° 40' 00"
116° 30' 00"
56° 15' 00"
HEART
RIVER
0
1.0 km.
2.0 km.
Scale 1:50,000
Map Base Modified After
Alberta Environmental Protection, 1998
A08-090-121


Till Sample Locations
084R18W5
N
90-02
90-01
PH73
PH74
PH090
T13
T12
56° 20' 00"
116° 50' 00"
116° 42' 30"
56° 15' 00"
0
1.0 km.
2.0 km.
Scale 1 : 50,000
Map Base Modified After
Alberta Environmental Protection
A08-090-122


N
-56°20'00"N
-56°15'00"N
-117°00'00"W
116°55'00"W
084R19W5
Wesly Creek
Substation
Site #1
Site #2
Site #3
PH90
Till Sample Site
OVB Drill Site
Till Sample Locations
Map Base Modified After
Alberta Environmental Protection, 1998
0
1.0 km
2.0 km
Scale 1:50,000
A08-090-123


-56° 20'00"N
N
084R20W5
PH89
PH91
Wesley Creek Road
688
-56°15'00"N
Locality of
Wesley Creek
-117°00'00"W
-117°01'00"W
Till Sample Locations
Twp84R20W5
0
1.0 km.
2.0 km.
Scale 1:50,000
A08-090-124
Based Map Modifield after
Alberta Enivormental Protection, 1998

Appendix 5

Overburden Drill Logs

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 3 bags of bentonite and 1 bag of cement

Permit: 9306061074
Collar UTM: 0503920 mN 6236349 mE 622 RL

Site# 1

LSD: 10-09-84-19-5 Date Drilled: March 13 and 14, 2008 Bedrock Depth: 76.2m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH127	6.1	12.2	6.1	Till	clay to medium sand	light grey	20	Large sand	Sand rich till with ~30% clay and silt. The sand is composed of sub rounded to rounded quartz, chert and carbonates. Rare grains of pyrite also present as well as one large sand sized sub rounded cube of pyrite. The carbonates react strongly with HCl. No magnetic minerals observed.
PH128	12.2	18.3	6.1	Till	clay to fine sand	light grey	30	gravel	Clay rich till with ~10% fine sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates. The gravel is composed of angular granitic fragments and sub rounded sedimentary fragments. The carbonates react strongly with HCl. Several rock fragments are weakly attracted to the magnet.
PH129	18.3	24.4	6.1	Till	clay to fine sand	medium grey	10	large sand	Clay rich till with ~10% fine sand. The sand is predominantly composed of sub rounded to rounded quartz, chert and carbonates. Rare pyrite grains observed. The large sand is mostly sub rounded granitic fragments. The carbonates react strongly with HCl. No magnetic minerals observed.
PH130	24.4	30.5	6.1	Till	clay to fine sand	medium grey	<5	large sand	Clay rich till with <5% fine sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates. Large sand is again composed of sub rounded granitic fragments. The carbonates react strongly with HCl. No magnetic minerals observed.
PH131	30.5	36.6	6.1	Siltstone /Till	clay to fine sand	light grey	<5	medium sand	Silt rich till with <5% fine to medium sand. The sand is composed of Sub rounded to rounded quartz, chert and carbonates. **A change in drilling charecteristics was noted at 32.3m and high concentration of silt could indicate that bedrock true bedrock top is here and is a very poorly consolidated siltstone.** The carbonates react strongly with HCl. No magnetic minerals observed.

PH132	36.6	42.7	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. A few very fine particles are weakly attracted to the magnet.
PH133	42.7	48.8	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH134	48.8	54.9	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH135	54.9	61.0	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH136	61.0	67.1	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH137	67.1	73.2	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	fine gravel	Silt rich till with <5% fine sand to fine gravel. The sand and gravel is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic and sedimentary fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH138	73.2	79.2	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments and rare pyrite grains. The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH139	79.2	85.3	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.

PH140	85.3	91.4	6.1	Siltstone /Till	Clay to fine sand	light grey	<5	medium sand	Silt rich till with ~5% fine to medium sand. The sand is primarily composed of sub rounded to rounded quartz, chert and carbonates with rare sub rounded granitic fragments. The carbonate grains react strongly with HCl. No magnetic minerals observed.
									Total Depth: 91.4m

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Permit # 9306061074
Collar UTM: 0506750 mN 6236507 mE 649 RL

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 4 bags of bentonite and 1 bag of cement

Site #2

LSD: 14-11-84-19-5 Date Drilled: March 14, 2008 Bedrock Depth: 25.9m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH141	6.1	12.2	6.1	Sand / gravel	medium to large sand	light yellow	20	Small to medium gravel	Sand predominantly sub angular to rounded quartz with some carbonate grains. Larger fragments are predominantly granitic fragments. The carbonate grains react very strongly with HCl. No magnetic minerals observed.
PH142	12.2	18.3	6.1	Sand / Gravel	Medium to large sand	light yellow	20	Small to medium gravel	Sand predominantly sub angular to rounded quartz with some carbonate grains. Larger fragments are predominantly granitic fragments. The carbonate grains react very strongly with HCl. No magnetic minerals observed.
PH143	18.3	24.4	6.1	Till / Siltstone	clay to large sand	light grey	40	small gravel	Silt rich till with ~40% sand sized particles. The sand particles are predominantly sub rounded to rounded quartz and carbonates. Larger particles are predominantly medium grey siltstone and light grey shale and rare granitic fragments. **Strong appearance of Siltstone and shale in this sample indicates that bedrock may actually be between 18.3 and 24.4 meters and not at the 25.9 meters as determined while drilling.** The carbonate grains react strongly with HCl. No magnetic minerals observed.
PH144	24.4	30.5	6.1	Shale / Siltstone	Clay to large sand	medium grey	n/a	n/a	Shale and siltstone with lots of sand. The sand particles are predominantly sub rounded to rounded quartz and carbonates as well as sand sized shale and siltstone fragments. Rare pyrite. The carbonate grains react strongly with HCl. No magnetic minerals observed.

PH145	30.5	36.6	6.1	Shale / Siltstone	Clay to large sand	medium grey	n/a	n/a	Shale and siltstone with lots of sand. The sand particles are predominantly sub rounded to rounded quartz and carbonates as well as sand sized shale and siltstone fragments. Rare pyrite. The carbonate grains react strongly with HCl. No magnetic minerals observed.
									Total Depth: 36.6m

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Permit # 9306061074
Collar UTM: 0508383 mN 6237400 mE 633 RL

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 3 bags of bentonite and 1 bag of cement

Site #3

LSD: 06-13-84-19-5 Date Drilled: March 13, 2008 Bedrock Depth: 32.3m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH120	6.1	12.2	6.1	Till	clay to very fine sand	yellow / grey	10	fine to medium sand	Very fine sand rich Till. Sand is predominantly sub rounded to rounded quartz and chert. Minor very loosly consolidated laminated clay fragments are present indicating the presence of clay lenses within the till. No reaction with HCl. No magnetic minerals observed.
PH121	12.2	18.3	6.1	Till	clay to fine sand	medium grey	10	medium sand	Silt rich till. Sand is predominantly sub rounded to rouned quartz and chert. Rare rounded shale fragments are present in the coarser grains. Rare carbonate grains react moderately with HCl. No magnetic minerals observed.
PH122	18.3	24.4	6.1	Till	Clay to medium sand	light grey	20	large sand to fine gravel	Silt rich till. Sand is predominantly sub rounded to rouned quartz and chert. Coarser grains are predominantly granitic fragments. Rare carbonate grains react moderately with HCl. No magnetic minerals observed.
PH123	24.4	30.5	6.1	Till	Clay to fine sand	light grey	20	medium sand	Clay rich till. Sand is predominantly sub rounded to rounded quartz and chert. Rare carbonate react moderately to HCl. No magnetic minerals observed.
PH124	30.5	36.6	6.1	Shale	Clay to medium sand	light grey	5	fine gravel	Clay rich shale. Sand is predominantly sub rounded to rounded quartz and chert. Shale fragments range from weakly to moderately consolidated. Rare well consolidated sandstone present. Rare carbonates react moderately with HCl. One large sand sized grain reactes strongly with the magnet but is likely just a piece of the drill bit.

PH125	36.6	42.7	6.1	Shale / Sandstone	clay to coarse sand	light grey	n/a	n/a	About 50% clay and sand. Both sandstone and shale are poorly consolidated. Sand is predominantly sub rounded quartz and chert with shale fragments. Rare angular granitic fragments are also observed. Rare carbonate grains react strongly with HCl. No magnetic minerals observed. Some water at 42.7m.
PH126	42.7	48.8	6.1	Shale / Sandstone	clay to fine sand	light grey	n/a	n/a	Again about 50% clay and sand. Both sandstone and shale are poorly consolidated. Sand is predominantly sub rounded quartz and chert with shale fragments. Rare angular granitic fragments are also observed. Rare carbonate grains react strongly with HCl. No magnetic minerals observed.
									Total Depth: 48.8m

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 6 bags of bentonite and 1 bag of cement

Permit # 9306061073
Collar UTM: 0509694 mN 6242748 mE 620 RL

Site #4

LSD: 12-31-84-18-5 Date Drilled: March 9 and 10, 2008 Bedrock Depth: 54.3m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH101	6.1	18.3	12.2	Sand	small sand	light yellow	10	large sand to small gravel	Predominantly sub rounded to rounded quartz and carbonates. Large fragments are predominantly rounded quartz and rare granitic fragments. Carbonates react very strongly with HCl. No magnetic minerals observed. Estimated 150 gpm of clear water at 9.1m with sand flowing to surface.
PH102	18.3	30.5	12.2	Till	fine sand to large gravel	light grey	n/a	n/a	Gravel rich till. Predominantly angular rock fragments range from various granitic, sedimentary and volcanic compositions. Carbonate fragments react strongly with HCl. No magnetic minerals observed.
PH103	30.5	42.7	12.2	Till	fine sand to large gravel	light grey	n/a	n/a	Gravel and sand rich till. Gravel sized particles are predominantly angular rock fragments range from various granitic, sedimentary and volcanic compositions. The sand sized particles are both smaller fragments of the larger gravel and quartz crystals. Rare siltstone fragments also present. Carbonate fragments react strongly with HCl. No magnetic minerals observed.
PH104	42.7	54.9	12.2	Till	fine sand to large gravel	light grey	n/a	n/a	Gravel and sand rich till. Gravel sized particles are predominantly angular rock fragments range from various granitic, sedimentary and volcanic compositions. The sand sized particles are both smaller fragments of the larger gravel and quartz crystals. Rare siltstone fragments also present. Carbonate fragments react strongly with HCl. No magnetic minerals observed.

PH105	54.9	67.1	12.2	Shale	clay to large sand	light grey	50	fine to large gravel	Gravel and sand rich shale. Large sand and gravel content likely due to the poorly consolidated nature of the overlying material. Gravel sized particles are predominantly angular rock fragments range from various granitic, sedimentary and volcanic compositions. The sand sized particles are both smaller fragments of the larger gravel and quartz crystals. Rare siltstone and shale fragments also present. Carbonate fragments react strongly with HCl. No magnetic minerals observed. Lots of water at 180'
PH106	67.1	73.2	6.1	Shale	clay to fine sand	light grey	n/a	n/a	Loosely consolidated shale easily turns to loose clay when drilled. Sand sized particles are predominantly sub rounded to rounded quartz, chert and carbonates. Rare small shale and siltstone fragments have survived drilling and are seen in the sample along with rare pyrite grains. The carbonate grains react moderately with HCl. No magnetic minerals observed.
									Total Depth: 73.2m

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Permit # 9306061073
Collar UTM: 0513711 mN 6240046 mE 656 RL

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 6 bags of bentonite and 1 bag of cement

Site #5

LSD: 15-21-84-18-5 Date Drilled: March 10, 2008 Bedrock Depth: 45.7m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH107	6.1	12.2	6.1	Till	Clay to medium sand	light brown	20	large sand to meduim gravel	Sand rich till with ~30% clay and silt sized particles. The sand particles are predominantly sub rounded to rounded quartz and carbonates. Larger particles are predominantly sedimentary fragments. Strong reaction to HCl in both clay material and carbonate fragments. No magnetic minerals observed.
PH108	12.2	24.4	12.2	Till	Clay to medium sand	light brown	30	large sand to medium gravel	Sand rich till with ~30% clay and silt sized particles. The sand particles are predominantly sub rounded to rounded quartz and carbonates with rare pink feldspars. Larger particles are predominantly sedimentary fragments. Very rare calcite grains react strongly to HCl and the carbonates react to a lesser extent then seen above. No magnetic minerals observed.
PH109	24.4	30.5	6.1	Till / Siltstone	Clay to medium sand	light grey	15	Large sand to small gravel	Clay rich till with ~40% sand sized particles. The sand particles are predominantly sub rounded to rounded quartz and chert and rare pyrites. Larger fragments are predominantly medium grey silt stone and other sedimentary fragments. **This relatively strong appearance of siltstone in the sample may indicate that true bedrock top is between 24.4 and 30.5 meters instead of the 45.7 meters as determined while drilling.** Rare carbonate grains react moderately with HCl. No magnetic minerals observed.

PH110	30.5	36.6	6.1	Till / Siltstone / Shale	Clay to medium sand	light grey	10	Large sand to small gravel	Clay rich till with ~40% sand sized particles. The sand particles are predominantly sub rounded quartz and chert and rare pyrites. Larger fragments are predominantly medium grey siltstone, grey shale and other sedimentary fragments. Rare carbonate grains react moderately with HCl. Some very fine dark grains are attracted to a magnet.
PH111	36.6	42.7	6.1	Till / Siltstone	Clay to medium sand	medium grey	10	Large sand to small gravel	Clay rich till with ~40% sand sized particles. The sand particles are predominantly sub rounded to rounded quartz and chert with rare pyrites and feldspars. Larger fragments are predominantly Siltstone, other sedimentary rock and some granitic fragments. Little to no reaction with HCl. Rare very fine dark grains are attracted to a magnet.
PH112	42.7	48.8	6.1	Shale / siltstone	Clay to medium sand	light grey	30	Large sand	Clay rich shale with ~40% sand sized particles. The sand particles are predominantly sub rounded to rounded quartz with rare pyrites and feldspars. Larger fragments are predominantly light grey shale fragments and medium grey siltstone fragments with rare granitic fragments. little to no reaction with HCl. No magnetic minerals observed.
PH113	48.8	54.9	6.1	Shale / siltstone	Clay to medium sand	light grey	30	Large sand	Clay rich shale with ~40% sand sized particles. The sand particles are predominantly sub rounded to rounded quartz with rare pyrites and feldspars. Larger fragments are predominantly light grey shale fragments and medium grey siltstone fragments with rare granitic fragments. Strong reaction with very rare calcite crystals with HCl. No magnetic minerals observed.
									Total Depth: 54.9m

United Uranium Corp. / Star Uranium Corp.

Peace River Diamond Project - 2008 Overburden Drilling Program

Permit # 9306061077
Collar UTM: 0514629 mN 6243906 mE 642 RL

Drilling Contractor: Hopper Water Welling Drilling Ltd.
Rig: Ingersoll-Rand TH60 Rotary Air
Hole Logged By: Bruce Brownlee
Material left in hole: 10 bags of bentonite and 1 bag of cement

Site #6

LSD: 05-03-85-18-5 Date Drilled: March 11, 2008 Bedrock Depth: 29.8m

Sample	Start Depth (m)	Finish Depth (m)	Interval (m)	Unit	Grain size	Colour	% clasts	clast size	Description
	0	6.1	6.1						Overburden - Shallow material was not sampled
PH114	6.1	12.2	6.1	Till	Clay to medium sand	light grey	10	large sand to small gravel	Clay rich till with ~40% sand sized particles which are predominantly sub angular to subrounded quartz with minor chert also present. Larger particles are predominantly granitic fragments. No reaction to HCl. No magnetic minerals observed.
PH115	12.2	18.3	6.1	Till	Clay to medium sand	light grey	0	n/a	Clay rich till with ~50% sand size particles which are predominantly sub round to round quartz with minor chert also present. Rare carbonate grains react strongly with HCl. No magnetic minerals observed. Water encountered between 12.2 and 18.3 meters.
PH116	18.3	24.4	6.1	Gravel	Large sand to Gravel	rusty orange	n/a	n/a	Heavily rust stained gravel. Gravel is composed of both sedimentary rock fragments and Granitic rock fragments ranging from angular to rounded. Sand sized particles are also heavily rust stained and appear to be predominantly quartz. Some of the thick rusty material covering the gravel reacts with HCl. Some of the finer dark material is attracted to a magnet but small size makes positive identification difficult.
PH117	24.4	30.5	6.1	Till	Clay to fine sand	yellow	10	Medium to large sand	Clay rich till with ~40% sand sized particles which are predominantly sub rounded to round chert and quratz. Larger particles are sedimentery rock fragments and round quartz. Rare carbonate grains react strongly with HCl. Rare fine magnetic minerals are present.
PH118	30.5	36.6	6.1	Shale	Clay to medium sand	grey	20	large sand to small gravel	Minor Shale and Siltstone fragments are visible and are very soft. Rare pyrite grains are present. Sand sized particles are predominantly Quartz and chert with minor granitic fragments all of which range from angular to sub rounded. Very rare carbonates react strongly to HCl. Some magnetic minerals observed within the granitic rock fragments.

PH119	36.6	42.7	6.1	Shale	Clay to medium sand	grey	20	Large sand to small gravel	Minor Shale and Siltstone fragments are visible and are easily broken with tweezers. Rare pyrite grains are present. Sand sized particles are predominantly quartz and chert with minor granitic fragments also present. The sand is predominantly sub rounded to rounded. Rare calcite and carbonate grains react strongly to HCl. Again some magnetic minerals are observed predominantly within granitic rock fragments.
									Total depth: 42.7m

Appendix 6

Statement of Actual Expenditures

MINERAL ASSESSMENT
EXPENDITURE BREAKDOWN BY TYPE OF WORK

☐ **Estimated Expenditure** (submitting with **Statement of Intent to File**)

☒ **Actual Expenditure** (**for Part B of Report**; Must match total filed in Part A)

Project Name: North Heart River Assessment Report

	AMOUNT
1. Prospecting	$
2. Geological Mapping & Petrography	$
3. Geophysical Surveys	
a. Airborne	$
b. Ground	$
4. Geochemical Surveys	$ **99,324.57**
5. Trenching and Stripping	$
6. Drilling	$**137,532.80**
7. Assaying & whole rock analysis	**$ 1,156.31**
8. Other Work: _____	$
SUBTOTAL	**$238,013.68**
9. Administration (up to 10% of subtotal)	**$23,589.80**
TOTAL	$**261,603.48**

Paul A. Hawkins
SUBMITTED BY (Print Name)

19-Jun-2008
DATE