

MAR 19790016: LAKE ATHABASCA

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LAKE ATHABASCA JOINT VENTURE
EXPLORATION UPDATE - WINTER ACTIVITIES 1979

Effective February 4, 1979 the 5 Quartz Mineral Exploration Permits P219 to P223 have gone to lease under Quartz Mineral Lease Nos. 2879050001 to 2879050005.

<u>DATE</u>	<u>ACTION</u>
January - March, 1979	GEOG and partners drilled 2 additional core holes on Anomaly "A", Numbers 79-LAJV-006 and 79-LAJV-007. Total of 6,808 feet of drilling. Completed line cutting, seismic and gravity surveys.

FIELD ACTIVITIES - WINTER OF 1979

PROGRAM

The goal of the winter of 1979 field work was to accumulate further stratigraphic information within the Lake Athabasca Joint Venture acreage. Two stratigraphic core holes were planned to be drilled to the Precambrian Basement. Also, line cutting, seismic, and gravity surveys were employed to obtain further information of the structural trends.

RESULTS

A total of two holes, amounting to 6,808 feet were drilled on Anomaly "A", with both holes intersecting the Precambrian Basement. The exact hole locations are on Figure 5.

Both holes intersected the Athabasca Formation beneath a sand and clay overburden ranging from 85 to 100 feet in thickness.

Between the two drill holes the thickness of the Athabasca Formation varied by 240 feet. The detailed logs and sections of each drill hole are enclosed in the Appendix, and in the pocket.

A medium-grained sandstone was the dominant rock type, varying locally from fine to coarse-grained and strong to no hematitization. Throughout the Athabasca Formation are shale layers; either red, hematitic, or green, chloritic-glaucconitic, or buff unaltered. The shale layers are normally thickest near the top of the Athabasca Formation, (up to 125 feet) and thinnest near the basal section (less than one inch). Contacts between the shale and sandstone vary from sharp to gradational. The basal unit of the Athabasca Formation is composed of at least 1000 feet of sparsely pebbled conglomerate. The bulk of the unit is comprised of medium-grained quartz and minor feldspar, with lesser amounts of mafics and micas. Pebbles, primarily quartz, quartzite, gneisses and banded iron formation form about 10% of the bulk of the conglomerate. Most pebbles are rounded to sub-rounded except near the Basement, where they are more angular. Bedding and cross-bedding are good varying from 70° to 90° to the core. Fracturing occurs dominantly from 0° to 45° and 70° to 90° to the core, in all rock units of the Athabasca Formation.

A unit called the Regolith was intersected in both holes, which is a highly altered, fossilized soil horizon of the basement rocks. It varies in thickness from 17 feet to 26 feet. The Regolith is strongly hematitized, locally chloritized and contains fragments of both the over- and underlying units.

The Basement is a unit of lower greenschist metamorphic facies consisting of quartz, feldspar, chlorite; with minor amounts of sulphides. Texturally different, the basement rocks at the bottom of both holes, have basically the same mineralogy and metamorphic history except that 79-LAJV-006 has been mylonitized and 79-LAJV-007 migmatized. The basement is strongly sheared at very low angles to the core.

Weak uranium mineralization is found at the upper section of the Athabasca Sandstone in the shale layers. Concentration is higher at the contact between the regolith and metamorphic Basement in the most strongly altered zone. Nickel, cobalt, zinc and lead are also found enriched in this zone.

DIAMOND DRILL SUMMARY

<u>HOLE NO.</u>	<u>LENGTH</u>	<u>AZIMUTH</u>	<u>DIP</u>	<u>COMMENCED</u>	<u>COMPLETED</u>
79-LAJV-006	2781'	-	90°	24/01/79	17/02/79
79-LAJV-007	3027'	-	90°	21/02/79	11/03/79

TOTALS

2 Holes 5,808' DAYS DRILLING 44

DIP TEST									DIAMOND DRILL CORE LOG GOLDEN EAGLE OIL & GAS LTD MINERAL DEPARTMENT PROJECT: <u>Lake Athabasca</u> <u>Joint Venture</u>	LOCATION	Northeastern Alberta	HOLE NO	79-LAJV-006
FROM	TO	TOTAL	ANGLE	CORR.	HOR.	CUMM.	VERT.	CUMM.		LATITUDE		LENGTH	2781
0'	500'	500'	89.5	89.5	4.36	4.36	499.98	499.98		LONGITUDE		AZIMUTH	
500'	1000'	500'	89	89	8.72	13.08	499.92	999.9		ELEVATION		OIP	90°
1000'	1500'	500'	88.5	88.5	13.09	26.17	499.83	1499.73		CONTRACTOR	Midwest Drilling	PURPOSE	Obtain Stratigraphic
1500'	2000'	500'	87	87	26.17	52.34	499.31	1999.04		CORE	HQ, NQ, BQ		Information
2500'	2781'	281'	85	85	24.49	89.92	279.93	2778.80		STORAGE	Field		
										PHOTOGRAPHED		COMMENCED	January 24, 1979
										SEALED	No	COMPLETED	February 18, 1979
									CASING	100'	LOGGED	R.B. Brown	
FROM	TO	REMARKS											
0.0	100.0	CASING											
100.0	2701.5	ATHABASCA FORMATION: Sandstone, shale, conglomerate.											
		COLOUR: Buff to pink to dark purple, minor green.											
		HARDNESS: 4.0 - 6.5											
		DESCRIPTION: This unit can be divided up into two sections, an upper and lower section. The upper section consists of fine to medium-grained sandstone and shale. The lower section is dominated by a medium to coarse-grained sandstone and conglomerate. Shale bands are found throughout the upper section, decreasing with depth to nil in lower section. The lower section contains pebbles and cobbles of quartz, gneiss and quartzite, sub-rounded to subangular.											
		The grains are mostly quartz and feldspar with minor amounts of mafics and micas. Bedding varies from 70° to 90° to the core, with some good cross-bedding. Cementing agents are dominated by silica and hematite. Hematitization of the core varies from none to moderate with locally strong sections. The texture ranges from massive to irregular to mottled. Minor chloritization or glauconitization found in shales.											
		COMPOSITION: Sandstone 97% Quartz 75% Feldspar 22% Hematite 3% Mica Trace Mafic Trace Shale 2% Conglomerate 1%											
		ALTERATION: None to moderate to locally strong hematitization of the entire unit. Weak to moderate chloritization or glauconitization primarily in shales.											
		RADIOACTIVITY: Minor, weak radioactivity 237' - 238' 1800 cpm on TV-1A 263' - 264' 1500 cpm on TV-1A 2212.2' - 2313.2' 1100 cpm on TV-1A 2269.7' - 2270.7' 1300 cpm on TV-1A 2325.5' - 2326.5' 1400 cpm on TV-1A											
		CORE: Broken core dominant in upper section. Fracturing 0°-30° to core in upper sections with fracturing at 90° to core dominant in lower section.											

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HOLE NO. 79-LAJV-006

FROM	TO	REMARKS						
100.0	169.0	Sandstone; fine to medium-grained, buff to pink in colour. Weak to locally moderate wide-spread hematitization. Minor clay rich bands. Fracturing sub-parallel to the core.						
110.3	110.5	Fracture sub-parallel to the core.						
117.0	117.5	Cross-bedding at 50° and 70° to core.						
127.8	138.4	Spotty hematitization, clay-rich bedding at 90° to the core. Fracturing at 30° to the core.						
146.1		Clay bedding at 80° to the core.						
154.0	154.5	Clay-rich bedding at 90° to the core in medium-grained sandstone.						
154.6	155.6	Sandstone, medium-grained, moderately hematitized.						
155.6	156.6	Sandstone, clay-rich.						
159.9		Bedding at 75° to the core.						
168.9		Pale green to buff, clay chip in medium to coarse-grained sandstone.						
169.0	201.1	Sandstone; fine to medium-grained, pink to purple with minor grey and green colour. Minor shale sections. Weak to moderate, widespread to locally strong hematitization. Minor broken core, fracturing at all angles.						
169.0	169.3	Shale; sandy, moderately hematitized						
169.3	176.6	Sandstone; moderately hematitized, minor to moderate, clay-rich banding. Broken core.						
171.9	172.7	Sandstone; coarse-grained.						
173.5	174.2	Fracturing at 15° to the core.						
175.5	176.6	Fracturing at 30° to the core.						
176.6	182.3	Sandstone; fine to medium-grained, clay-rich banding.						
182.3	183.3	Shale; sandy, broken core. Hematitized, chloritization or glauconitization is spotty. Fracturing predominantly less than 30°.						
183.3	183.4	Brecciated sandstone, possible fault at 25° to the core. Strongly hematitized.						
185.5		Minor amounts of mafics. Mineralization possibly magnetite.						
190.4		Bedding at 80° to the core.						
192.5	193.5	Shale; sandy.						
193.0	193.2	Fracture sub-parallel to the core.						
193.5	195.6	Sandstone; clay-rich, grading into a shale.						
193.5	193.9	Fracture at 15° to the core.						

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HOLE NO. 79-LAJV-006

FROM	TO	REMARKS						
195.0	195.6	Broken core.						
195.6	201.1	Sandstone; fine to medium-grained, weak to moderate, locally strong, hematitization. Clay-rich banding with depth.						
200.8	201.1	Sandstone; poorly cemented, strongly hematitized.						
201.1	226.0	Sandstone; similar to (100.0-169.0) coarser-grained near basal contact. Hematite, specularite.						
211.0	212.3	Sandstone; weak spotty hematitization.						
226.0	235.0	Dominantly sandstone with small bands of shale. Weakly hematitized.						
226.0	227.0	Shale bands.						
227.0	230.0	Sandstone; minor amounts of clay throughout as well as clay banding.						
232.2	235.0	Sandstone; minor amounts of mafics throughout.						
235.0	277.3	Sandstone; fine to medium-grained, buff to purple, minor green. Weak to moderate, to strong local hematitization, dominantly in shale-rich zones. Minor amounts of broken core.						
235.0	235.5	Broken core, shale-rich sandstone and sandy shale, weakly hematitized.						
237.0	238.0	Broken core, moderately hematitized. Weak radioactivity, 1800 cpm on the TV-1A.						
238.0	252.0	Sandstone; shaly, weak to moderate hematitization.						
242.9	243.6	Fracture at 18° to the core.						
244.6	258.5	Weakly leached.						
252.0	252.3	Shale; moderately hematitized.						
258.5		Coarse-grained quartz.						
258.5	261.7	Shale-rich sandstone, grading into a shale and back into a shale-rich sandstone.						
260.5	261.0	Fracturing, sub-parallel to the core.						
262.0	263.0	Sandstone; shale-rich, grading to a shale.						
263.0	264.0	Shale; moderately hematitized. Weak radioactivity, 2000 cpm on TV-1A.						
264.0	270.0	Sandstone; shaly, spotty hematitization.						
264.2		Shale chip.						
270.1	270.2	Unconsolidated sand.						

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FROM	TO	REMARKS						
274.7		Leached solution spot, comprised of three rings and a core. Outer ring leached, second ring earthy hematite, third ring specularite, core leached.						
275.0	277.3	Sandstone; shaly, purple and grey in bands, moderately hematitized. Fracturing at 90° to the core.						
277.2	277.3	Shale.						
277.3	365.8	Sandstone; fine to medium-grained, buff to purple, clay-rich. Weak to moderate hematitization with weak tiger-striping. Spotty leaching widespread with weak to moderate, to strong local, leaching. Minor broken core.						
278.8	293.8	Sandstone; tiger-striping of buff, moderately leached with stripes of hematitization. Minor limonite.						
281.7		Fracturing at 5° to the core.						
286.4	287.0	Broken core strongly leached.						
288.9	290.0	Broken core of strongly leached, clay-rich sandstone. Weak to moderate hematitization, poorly consolidated.						
293.8	303.2	Sandstone; shaly, moderately hematitized with spotted leaching. Grey-green bands.						
300.5	300.8	Fracture at 35° to the core.						
303.2	310.7	Sandstone; tiger-striped.						
310.7	319.9	Sandstone; similar to (293.8-303.2) with grey-green bands.						
315.6	316.0	Broken core.						
319.9	339.0	Tiger-striping becomes weaker with depth.						
319.7		Shale; green.						
326.5		Shale; green.						
329.0		Shale chip; hematitized.						
330.2	332.0	Shale banding.						
336.4	336.6	Clay banding.						
339.0	346.6	Sandstone; fine-grained, weakly hematitized. Light green clay banding.						
346.6	347.5	Shale; intermixed, chloritization and hematitization.						
347.5	347.8	Sandstone; minor chlorite.						
349.7	351.4	Sandstone; fine-grained, feldspar dominant.						

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FROM	TO	REMARKS						
351.8		Shale chip.						
353.5	353.9	Shale chip banding at 50° to the core.						
354.4	354.8	Shale chip banding at 10° to the core.						
355.2	360.0	Shale; sandy, similar to (346.6 - 347.5) but less chlorite.						
358.3	359.0	Feldspar banding, irregular.						
360.3	365.8	Sandstone grading into shale with depth. Weak to moderate hematitization.						
365.8	487.0	Shale intermixed with sandstone. Sandstone; very fine-grained, buff to light grey, to green, to purple. Weak to moderate hematitization. Fractures throughout, with weak spotted leaching. Radioactivity above background.						
365.8	366.9	Shale; green, chlorite bands throughout, weak hematitization. Sandstone, minor, widespread.						
367.7	367.8	Chlorite or glauconite.						
374.0	374.4	Sandstone; fine to medium-grained, shale chips, feldspar crystals.						
375.0	375.4	Fracture at 30° to the core.						
376.5	377.3	Fracturing at 0° to 35° to the core.						
377.4		Shale; chloritized or glauconitized, minor limonite present.						
378.6	378.8	Sandstone; clay-rich, minor feldspar crystals.						
378.8	378.9	Sandstone; chloritized or glauconitized.						
380.3	384.8	Sandstone and shale intermixed, chlorite throughout.						
384.8	385.8	Sandstone; very fine-grained, chloritized or glauconitized throughout.						
387.0	388.5	Sandstone; very fine-grained, and shale intermixed.						
388.5	397.0	Shale; sandstone bands throughout, weak to moderately hematitized.						
397.0	400.3	Sandstone; very fine-grained, weak to moderately hematitized.						
400.3	405.8	Interbanded shale and fine-grained sandstone, weakly hematitized.						
405.8	487.0	Interbanded shale and very fine-grained sandstone.						
425.6	426.0	Shale; sandy. Fracture at 5° to the core.						
426.6	428.3	Shale; sandy. Fracture sub-parallel to the core.						
431.0		Broken core in shale.						

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FROM	TO	REMARKS						
454.2	458.5	Sandstone with irregular shale banding throughout.						
458.5		Shale chip.						
477.4	478.3	Fractures at 15° and 20° to the core.						
486.4	487.0	Fracture at 20° to the core.						
487.6	511.1	Shale, buff to green to purple, weak to moderately hematitized, with spotted leaching.						
489.2		Sandstone; chloritized or glauconitized.						
507.4	507.6	Broken core.						
511.1	545.5	Sandstone; fine to medium-grained, pink to purple, and green. Weak to moderate hematitization, with minor tiger striping. Minor shale banding throughout. Weak spotted leaching. Clay-rich bands throughout. Radioactivity weak, just above background, 800-1000 cpm on TV-1A.						
514.7	514.9	Shale; moderately hematitized.						
517.7		Shale chip, buff-coloured.						
518.4	518.7	Fracture at 40° to the core.						
521.0		Shale at 60° to the core.						
521.3	523.8	Sandstone; moderately hematitized with clay banding throughout at 75° to 90° to the core.						
532.5	532.6	Shale; sandy, chlorite or glauconite visible.						
537.0		Clay-rich, chloritized or glauconitized band at 85° to the core.						
542.3	542.7	Shale; clay-rich, chloritized or glauconitized.						
545.5	562.8	Intermixed shale and sandstone, moderately hematitized, clay-rich throughout. Radioactivity above background, 900-1100 cpm on TV-1A.						
551.2	551.4	Shale; clay-rich, chloritized or glauconitized.						
552.3	553.0	Broken core; shale.						
557.0		Broken core; sandstone and shale.						
562.8	622.0	Sandstone; fine-grained, buff to dark pink. None to weak hematitization.						
563.0	563.2	Fracture at 15° to the core.						
564.8	565.0	Broken core.						
574.8		Shale band.						

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FROM	TO	REMARKS						
593.6	602.0	Sandstone; fine to medium-grained, dark grey to white.						
599.3	599.5	Fracture at 35° to the core.						
602.0	622.0	Sandstone; fine to medium-grained, grey with minor shale banding throughout.						
612.0	613.0	Sandstone; chloritization throughout.						
614.3		Shale chip.						
617.0		Broken core.						
617.0	618.5	Intermixed shale and sandstone.						
620.0	620.5	Sandstone; highly chloritized.						
621.5	622.0	Sandstone grading into shale.						
622.0	631.0	Shale; sandstone throughout, weakly hematitized.						
623.5	623.7	Broken core.						
628.5	629.5	Broken core.						
631.0	707.0	Sandstone; fine to medium-grained, buff to purple, none to weak hematitization, minor shale bands, no radioactivity.						
634.0	634.1	Shale; grey to purple, at 90° to the core.						
635.6	635.7	Shale; sandy, predominantly green, some purple.						
636.0		Sandstone; fine-grained, moderately hematitized.						
642.0	642.3	Broken core, sandstone and shale intermixed.						
643.3		Fracture at 75° to the core. Sandstone limonite in fracture, weakly chloritized.						
647.0	650.6	Sandstone, weak hematitization, clay-rich.						
657.0	664.0	Sandstone, weak hematitization banding.						
664.2	664.3	Fracture at 30° to the core.						
667.0	672.8	Sandstone; fine-grained, no to weak hematitization.						
672.8	673.2	Fracture sub-parallel to the core.						
674.2	674.9	Sandstone; fine-grained, grading into shale, chloritized.						
675.0	691.0	Similar to (667.0 to 672.8).						
683.0	690.0	Fracture zone; sub-parallel to >45° to the core.						

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FROM	TO	REMARKS						
687.0	688.0	Broken core.						
691.0	691.3	Shale; moderately hematitized, clay-rich.						
702.9	703.9	Fracture at 10 ⁰ to the core.						
705.7	705.2	Shale; moderately hematitized, minor chlorite.						
705.2	707.0	Sandstone; medium-grained, weak hematitization banding 1 mm.						
707.0	719.2	Sandstone; fine to medium-grained, buff to green-grey to dark grey. None to weak hematitization, minor shale throughout some broken and ground core.						
707.0	707.1	Sandstone; medium-grained, grey, with minor carbonate.						
707.6		Shale; green-grey, mica.						
707.6	708.6	Shale; clay-rich.						
707.8	707.9	Shale; hematitized.						
708.5		Sandstone; medium-grained, poorly cemented.						
708.5	710.0	Sandstone; medium-grained, mafics throughout.						
712.0	713.0	Sandstone; medium grading to fine-grained with depth.						
712.5		Shale.						
714.2	714.4	Sandstone, fine-grained, shale chips, elongated at 90 ⁰ to the core.						
716.4	716.7	Shale; sandy.						
716.7	718.0	Sandstone; fine-grained, spotty hematitization.						
718.0	719.0	Sandstone; medium-grained, weakly hematitized, with minor moderate spotty hematitization.						
719.0	719.2	Shale; sandy, clay-rich.						
719.2	745.2	Sandstone; fine to medium-grained, buff to grey, with bands of shale. No to weak hematitization, with minor spotty hematitization.						
727.6	728.2	Sandstone; clay-rich, widespread hematite.						
731.1	731.2	Shale.						
731.2	733.5	Sandstone and shale intermixed.						
733.5	739.5	Sandstone; fine to medium-grained, buff to green-grey. Weakly striped hematitization throughout.						
739.5	739.6	Shale; sandy.						

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FROM	TO	REMARKS						
740.3		Sandstone; medium-grained, hematitic spotting with minor mica.						
740.9		Sandstone; quartz crystals 2 mm x 3 mm.						
742.6		Shale and sandstone; clay-rich, with minor amounts of specularite.						
743.3	743.9	Fracture at 5° to the core.						
745.1	745.2	Shale; sandy.						
745.2	767.0	Sandstone; fine-grained, buff with weakly hematitized banding throughout.						
767.0	786.7	Sandstone; fine to medium-grained, grey and buff. Minor spotty hematitization throughout.						
771.2	771.6	Shale; clay-rich, chloritization or glauconitization.						
737.7	773.8	Shale.						
783.4	784.8	Shale; clay-rich, silver dollar fracturing at 90° to the core.						
784.4	785.6	Broken core.						
786.5	786.7	Shale.						
787.2	787.4	Shale; clay-rich, chloritized.						
787.4	791.0	Sandstone; similar to (767.0-786.7).						
791.0	806.7	Sandstone; fine to medium-grained, buff to grey. No to weak hematitization. Shale bands throughout.						
797.0	806.7	Ground and broken core.						
806.7	821.5	Sandstone; fine to medium-grained, buff to dark grey. Shale bands throughout.						
820.9		Shale and sandstone intermixed; chloritized.						
821.5	830.0	Sandstone; fine to medium-grained, buff with no hematitization.						
826.1	826.1	Shale.						
828.2	828.5	Sandstone; coarse-grained.						
830.0	866.7	Sandstone; fine to medium-grained, buff to grey-green, to light brown. No to weak hematitization with minor shale.						
831.5		Fracture sub-parallel to the core.						
835.0		Clay chips oriented at 90° to the core.						
839.3	839.5	Sandstone and clay intermixed.						

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FROM	TO	REMARKS						
839.7		Fracture at 20° to the core.						
840.3		Clay chip.						
840.4	840.9	Sandstone and shale intermixed.						
845.0	847.8	Fractures sub-parallel and at 15° to the core.						
849.8	850.2	Shale; clay-rich.						
851.7	852.9	Fractures at 15° to the core.						
854.0		Shale; clay-rich.						
855.0	855.8	Shale; moderately hematitized.						
855.0	850.2	Broken core.						
859.6	866.0	Sandstone; fine-grained, light brown to green-grey bands.						
866.0	866.7	Shale; green to pink, banded.						
866.7	963.0	Sandstone; fine to medium-grained, with weak to moderate, to locally strong, hematitization. Fractures throughout. Minor clay banding.						
866.7	879.0	Sandstone; fine to medium-grained, with weak to locally moderate hematitization.						
870.3	871.0	Fracture at 15° to the core.						
872.0	873.8	Fractures at 25° to the core.						
872.8		Clay chip.						
873.2	873.4	Broken core.						
875.2		Clay; chloritized or glauconitized.						
875.2	879.0	Sandstone; medium-grained, weak hematitization.						
879.3	880.0	Fracture at 10° to the core.						
883.9	884.1	Sandstone and clay intermixed.						
885.5		Clay chips; white.						
885.9	887.0	Shale; weak to moderately hematitized, clay-rich in fractures.						
887.0	888.6	Sandstone; green-grey, moderately hematitized striping. Fracture sub-parallel to the core.						
890.1	891.2	Sandstone; fine to medium-grained, weak to moderately hematitized.						
893.2	893.7	Fracture at 15° to the core.						

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FROM	TO	REMARKS						
894.6	895.2	Fracture sub-parallel to the core.						
898.7	899.0	Fracture at 15° to the core.						
899.1	917.5	Sandstone; medium-grained, purple, moderately hematitized.						
902.0	904.8	Sandstone; minor spotty leaching.						
907.0	913.0	Fracture zone; fractures from 0° to 25° to the core.						
909.5		Clay chip.						
913.3	913.5	Fracture at 25° to the core.						
915.0		Shale; clay-rich, chloritized.						
915.2	915.4	Sandstone; strongly hematitized, poorly cemented. Fracture at 35° to the core.						
916.6	917.0	Fracture at 20° to the core.						
917.5	919.3	Sandstone; fine-grained, buff, weakly hematitized.						
918.2	919.3	Fracture, sub-parallel to the core.						
919.3	925.0	Sandstone; fine to medium-grained, purple, moderately hematitized.						
925.0	925.3	Sandstone; fine-grained, limonite throughout.						
925.3	925.7	Sandstone and shale intermixed.						
928.0	928.8	Fractures at 0° to 30° to the core.						
932.0		Shale chip oriented at 90° to the core.						
932.4	932.5	Shale and sandstone intermixed.						
932.5	934.5	Fracture at 5° to the core.						
934.8		Clay chip.						
949.6	949.8	Sandstone; fine-grained, strongly hematitized.						
949.8	950.6	Shale; clay-rich, minor chlorite.						
950.6	952.0	Sandstone; similar to (949.6-949.8).						
952.0	954.4	Sandstone; fine-grained, weakly hematitized.						
953.7	954.4	Fracture, sub-parallel to the core.						
957.8	960.0	Sandstone and shale intermixed.						

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FROM	TO	REMARKS						
963.0	1032.2	Sandstone; fine to medium-grained, buff to purple. No to moderate hematitization. Shale throughout.						
963.0	963.6	Fracture sub-parallel to the core.						
963.5	964.2	Broken core.						
966.0	967.5	Fracture sub-parallel to the core.						
968.6	972.3	Sandstone; grading from medium to fine-grained. Moderately hematitized.						
972.3	973.5	Sandstone and shale intermixed.						
977.0	978.0	Fracture at 10° to the core.						
981.6	982.3	Sandstone and shale intermixed.						
981.7		Shale; clay-rich, minor sandstone chloritization, glauconitized.						
982.3	988.4	Similar to (968.6 to 972.3).						
986.4	987.0	Broken core.						
988.4	988.7	Clay chips.						
988.7	990.9	Sandstone and shale intermixed.						
990.0	990.5	Fracture at 5° to the core.						
990.9	996.9	Sandstone; fine to medium-grained, purple, weak to moderately hematitized.						
996.9	997.2	Shale.						
997.2	999.4	Similar to (990.9-996.9).						
999.4	1000.4	Shale; clay-rich.						
1000.9	1000.6	Broken core.						
1001.6		Shale.						
1002.0	1003.0	Sandstone and shale intermixed, chloritization, glauconitized.						
1003.2	1004.4	Fractures at 0° to 10° to the core.						
1004.4	1022.0	Sandstone; medium-grained, weakly hematitized.						
1013.9	1014.5	Fracture at 15° to the core.						
1018.7		Clay in healed fracture.						
1022.0	1025.8	Sandstone; medium grading to fine-grained with depth. Pink to purple, weak to moderate hematitization.						

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FROM	TO	REMARKS							
1026.2	1029.5	Shale; clay-rich.							
1031.0	1032.2	Fracture, sub-parallel to the core.							
1032.2	1058.2	Sandstone; fine to medium-grained, buff to pink to grey. No to weak, minor spotty hematitization.							
1042.0	1042.6	Fracture at 10° to the core.							
1042.0	1045.4	Sandstone; fine to medium-grained, weak hematitization with minor striping.							
1058.2	1092.5	Sandstone; fine to medium-grained, pink to purple. Weak to moderate hematitization, shale bands throughout.							
1059.0	1061.7	Fracture zone; fractures at less than 15° to the core.							
1058.2	1075.7	Sandstone; fine-grained, dark pink, weakly hematitized.							
1075.7	1077.2	Sandstone; poorly cemented, moderately hematitized.							
1077.4	1077.9	Shale; clay-rich.							
1078.6		Mineralization, possibly galena.							
1078.1	1079.3	Shale; very clay-rich. Dominated by moderately hematitized material, with lesser amounts of weakly hematitized material near fractures.							
1082.4	1082.7	Fracture at 15° to the core.							
1083.0	1091.0	Sandstone; medium-grained, weak hematitization with sporadic, spotty hematitization.							
1091.0	1092.5	Similar to (1083.0-1091.0), minor mafics throughout.							
1092.5	1122.0	Sandstone and shale intermixed. Sandstone; fine to medium-grained, no to weakly hematitized. Clay chips aligned at 90° to the core. Shale is in finely laminated bands with weakly hematitized and chloritized or glauconitized clay.							
1100.1	1100.3	Fracture at 5° to the core.							
1102.2	1102.4	Minor mafics, abundant sulphides.							
1110.8	1111.4	Fracture at 15° to the core.							
1122.2	1226.0	Sandstone; fine to medium-grained, buff to grey to pink. No to weak hematitization. Shale throughout.							
1129.5	1130.2	Fracture sub-parallel to the core.							
1130.6		Bedding at 75° to the core.							
1132.4	1133.0	Fracture at 15° to the core.							
1135.3	1135.4	Shale; chloritized or glauconitized.							

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FROM	TO	REMARKS						
1135.5	1135.8	Fracture at 20° to the core.						
1137.6	1139.6	Sandstone; medium-grained, no to weak hematitization.						
1139.6	1142.0	Sandstone; fine-grained, weakly hematitized.						
1142.0	1154.8	Shale; sandy.						
1155.0	1155.2	Fracture at 15° to the core.						
1155.9	1167.0	Sandstone; fine to medium-grained, weakly hematitized.						
1156.0	1156.4	Fracture at 10° to the core.						
1157.4	1158.8	Fracture sub-parallel to the core.						
1163.3	1163.1	Fracture zone. Fractures sub-parallel to the core.						
1167.0	1169.1	Sandstone; fine-grained, no hematitization.						
1183.7		Clay chip, chloritized, orientated at 90° to the core.						
1183.7	1189.4	Sandstone; medium-grained, buff to grey, weakly hematitized.						
1189.4		Shale chloritized.						
1189.4	1194.9	Sandstone; fine-grained, weakly hematitized.						
1192.7	1193.3	Fracture at 10° to the core.						
1199.5	1200.3	Interbanded shale and sandstone. Shale; clay-rich, sandstone, fine-grained, weakly hematitized.						
1201.8	1202.2	Fracture at 20° to the core.						
1202.2	1202.4	Shale; chloritized or glauconitized with minor amounts of sulphides.						
1212.0	1212.5	Fracture at 5° to the core.						
1214.1	1214.2	Shale; sandy.						
1215.7	1216.0	Fracture sub-parallel to the core.						
1222.4	1222.7	Sandstone; shaly.						
1226.0	1226.1	Shale.						
1226.1	1246.1	Sandstone and shale intermixed.						
1226.1	1227.6	Shale, mottled.						
1228.2	1229.6	Fracture sub-parallel to the core.						

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FROM	TO	REMARKS						
1232.5		Bedding at 80° to the core.						
1232.8	1233.0	Sandstone; shaly.						
1233.8	1234.2	Fracture at 25° to the core.						
1235.6	1239.6	Sandstone and shale interbanded.						
1245.2	1246.3	Fracture at 5° to the core.						
1246.1	1322.8	Sandstone; fine to medium-grained. No to weak hematitization.						
1253.5	1253.9	Fracture at 10° to the core.						
1269.7	1271.2	Sandstone; medium-grained, weakly hematitized.						
1274.4		Bedding at 80° to the core.						
1274.7	1275.3	Fracture at 20° to the core.						
1275.4	1275.8	Fracture at 5° to the core.						
1277.0		Sandstone; shaly, weakly hematitized.						
1284.7	1285.0	Fracture at 15° to the core.						
1303.7	1305.0	Sandstone; coarse-grained, moderately hematitized.						
1317.1	1317.7	Sandstone; medium-grained with coarse-grained quartz crystals throughout.						
1318.1	1318.2	Similar to (1317.1-1317.7).						
1319.5		Shale; aligned at 90° to the core.						
1322.5	1365.4	Sandstone; fine to medium-grained, no to weak, to locally moderate hematitization.						
1330.1	1330.2	Sandstone and shale intermixed.						
1330.7		Shale; green in color.						
1331.7	1332.0	Fracture sub-parallel to the core.						
1337.4	1337.5	Shale; fractured at 90° to the core.						
1342.0		Sandstone; coarse-grained, weakly hematitized, aligned at 10° to the core.						
1343.8		Similar to (1342.0), no hematitization.						
1344.5	1344.9	Sandstone; fine to medium-grained with larger quartz crystals within the matrix.						
1344.9	1345.3	Sandstone and shale intermixed. Sandstone, medium to coarse-grained.						
1345.9	1346.5	Fracture sub-parallel to the core.						

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FROM	TO	REMARKS						
1348.0	1349.3	Sandstone; coarse-grained, moderately hematitized.						
1349.3	1350.0	Sandstone; fine-grained, moderately hematitized.						
1351.4	1352.0	Fracture sub-parallel to the core.						
1355.6	1355.7	Sandstone; shaly, buff in color.						
1355.7	1356.2	Broken core with large shale chip moderately hematitized.						
1356.3	1356.7	Fracture at 20° to the core.						
1359.1	1359.4	Fracture sub-parallel to the core.						
1362.7	1363.6	Fracture sub-parallel to the core.						
1364.0	1364.6	Fracture at 10° to the core.						
1365.4	1417.0	Sandstone; medium-grained, buff to pink, and grey. No to weak hematitization.						
1369.0	1369.3	Shale.						
1369.3		Clay; mica-rich.						
1369.3	1369.4	Sandstone; fine-grained, no hematitization.						
1372.0	1372.2	Sandstone intermixed with clay. Sandstone; medium-grained, mica present in clay.						
1374.3		Clay chips.						
1376.9	1377.0	Sandstone; shaly.						
1378.8	1379.6	Sandstone; fine-grained.						
1390.2	1390.5	Sandstone; coarse-grained, moderately hematitized.						
1400.0	1417.0	Sandstone and shale intermixed.						
1405.4	1407.0	Fracture sub-parallel to the core.						
1407.6	1417.0	Ground and broken core.						
1417.0	1467.0	Sandstone; fine to medium-grained, buff to pink. No to weak hematitization.						
1417.0		Fracture at 10° to the core.						
1419.7		Shale.						
1419.7	1420.8	Sandstone; coarse-grained, weakly hematitized.						
1426.9	1427.1	Shale; brown, minor chloritization and mica.						
1439.5	1440.5	Shale; red-brown in color.						

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FROM	TO	REMARKS						
1441.8	1442.2	Shale; green.						
1443.6	1443.8	Sandstone; coarse-grained.						
1444.9		Shale; brown.						
1462.9	1463.3	Sandstone; coarse-grained, weakly hematitized.						
1467.0	1511.2	Sandstone; fine to medium-grained, light grey to purple. Weak to moderate hematitization, minor shale throughout.						
1470.6	1470.7	Shale; brown, moderately hematitized.						
1474.5		Bedding at 80° to the core.						
1476.7	1476.8	Shale and clay banding.						
1477.7	1478.0	Shale; brown, radioactivity, 1300 cpm on TV-1A.						
1481.0	1481.5	Shale; grey-red in color.						
1482.6	1483.1	Sandstone and shale intermixed. Shale; greenish-red. Sandstone; fine-grained, moderately hematitized.						
1487.9		Bedding at 85° to the core.						
1499.3	1500.0	Shale and sandstone intermixed. Sandstone, fine-grained, weakly hematitized. Shale; greenish-red, laminated at 5° to the core. Mica present.						
1501.7	1503.0	Fracture sub-parallel to the core.						
1503.0	1508.0	Broken and ground core.						
1507.3	1507.5	Shale; mica throughout.						
1511.2	1588.2	Sandstone; medium-grained, buff to pink and dark grey. No to weak to locally moderate hematitization. Fractures at 90° to the core.						
1512.0	1527.0	Sandstone; minor spotty leaching throughout.						
1528.5	1528.8	Sandstone; shaly, weakly hematitized.						
1529.3	1529.6	Similar to (1528.5-1528.8).						
1540.2		Bedding at 80° to the core.						
1542.0	1542.7	Sandstone; coarse-grained, dark grey, weakly hematitized.						
1550.7	1551.7	Similar to (1542.0-1542.7), light grey in color.						
1555.1	1555.4	Sandstone; shaly, weakly hematitized, mica present.						

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FROM	TO	REMARKS						
1557.5	1558.0	Sandstone; medium-grained, moderately to strongly hematitized. Bedding throughout at 75° to the core. Poorly cemented.						
1559.0	1559.1	Sandstone; coarse-grained, weakly hematitized.						
1560.4	1560.5	Similar to (1559.0-1559.1).						
1564.4	1564.3	Fracture sub-parallel to the core.						
1564.6	1564.9	Sandstone; shaly, mica widespread.						
1568.1		Shale; clay-rich.						
1572.1	1572.5	Sandstone; fine-grained, large quartz grains present, weakly hematitized.						
1572.6		Bedding at 85° to the core.						
1573.8		Shale.						
1573.8	1574.4	Similar to (1557.5-1558.0).						
1577.0	1577.1	Sandstone; fine-grained, weakly hematitized.						
1580.9	1581.1	Sandstone; medium to coarse-grained, moderately hematitized.						
1582.2		Shale.						
1588.2	1647.0	Sandstone; fine to medium-grained, buff to dark grey. No to weak hematitization, with minor widespread shale.						
1594.2	1594.3	Shale.						
1597.3		Shale; finely laminated at 90° to the core, clay-rich.						
1600.0	1600.2	Shale.						
1608.2		Bedding at 85° to the core.						
1611.6	1611.7	Sandstone; coarse-grained, weakly hematitized.						
1611.7	1612.0	Shale; light brown to light green, minor chloritization or glauconitization throughout.						
1612.0	1612.3	Shale; sandy.						
1623.8	1624.2	Shale; light brown, minor chlorite, silver dollar fracturing at 90° to the core.						
1628.2		Shale.						
1638.4	1638.4	Shale.						
1642.8	1642.9	Interbanded sandstone, clay and mica.						
1643.3	1643.9	Fracture sub-parallel to the core.						

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FROM	TO	REMARKS						
1647.0	1667.9	Sandstone and shale intermixed. Sandstone; fine to medium-grained, weak to locally strong hematitization.						
1649.9	1650.2	Fracture at 15° to the core.						
1650.9	1651.0	Shale; thinly laminated at 90° to the core.						
1653.6		Sandstone; coarse-grained, moderately hematitized.						
1655.8	1657.0	Sandstone; fine-grained, moderately to strongly hematitized.						
1658.8	1658.9	Clay and sandstone interbanded.						
1659.5	1659.8	Sandstone; fine-grained, no hematitization.						
1662.7	1663.0	Fracture at 10° to the core.						
1662.8	1663.0	Sandstone; shaly.						
1663.0		Shale; clay-rich.						
1667.9	1814.0	Sandstone; coarse-grained, buff to grey to dark green-grey. No to weakly, to locally moderate hematitization. Has a vuggy and porous appearance, fractured at 90° to the core. Minor pebbles of quartz and quartzite.						
1667.9	1668.5	Shale chips.						
1672.7	1675.4	Sandstone; medium-grained, buff, unhematitized.						
1694.4		Quartzite pebbles in coarse-grained sandstone.						
1699.3	1699.5	Quartz and quartzite pebbles.						
1704.8	1709.5	Sandstone; coarse-grained, moderately hematitized, poorly cemented.						
1711.8	1712.6	Sandstone; coarse-grained, mottled grey and dark pink. Weakly hematitized.						
1716.0	1717.0	Sandstone; coarse-grained, moderately hematitized, poorly cemented.						
1717.4	1718.6	Similar to (1711.8-1712.6).						
1721.0	1722.4	Sandstone; medium-grained, no hematitization.						
1724.5	1724.9	Sandstone; fine to medium-grained, weakly hematitized. Minor amounts of mica.						
1727.1	1727.4	Sandstone; medium to coarse-grained, strongly hematitized, poorly cemented.						
1737.3	1738.8	Sandstone; fine to medium-grained, buff, no hematitization.						
1740.8	1741.4	Quartz and quartzite pebbles.						
1747.0	1748.0	Quartz and quartzite pebbles.						

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FROM	TO	REMARKS					
1749.0	1750.0	Similar to (1711.8-1712.6).					
1759.9	1762.6	Sandstone; fine-grained, buff, no hematitization.					
1784.6	1785.0	Similar to (1699.3-1699.5).					
1788.9	1789.9	Sandstone; medium-grained, buff, no hematitization.					
1794.6	1795.0	Sandstone; fine-grained, grey, weakly hematitized.					
1796.1	1797.0	Similar to (1794.6-1975.0).					
1800.9		Quartzite pebble.					
1806.6	1807.4	Similar to (1794.6-1795.0).					
1814.0	2079.9	Sandstone; medium to coarse-grained, buff to grey to dark green-grey. No to moderate hematitization. Has a vuggy and porous appearance with rounded to sub-rounded pebbles of quartz and quartzite randomly spaced throughout.					
1831.6	1832.0	Sandstone; medium-grained with pebbles of quartz and quartzite.					
1838.2	1839.8	Sandstone; fine to medium-grained, buff, weakly hematitized.					
1838.8		Sandstone; fine to medium-grained, moderately hematitized with a fine-grained sandstone chip. Minor mafics throughout.					
1844.0	1844.3	Fracture at 10° to the core.					
1847.4	1849.4	Sandstone; fine to medium-grained, buff to light pink in color.					
1851.8	1852.2	Sandstone; medium-grained, moderately hematitized with mottled appearance. Abundant pebbles of quartz and quartzite.					
1856.4	1856.7	Sandstone; fine to medium-grained, moderately hematitized. Mafics throughout, pebbles and quartz.					
1864.0	1865.6	Sandstone; fine to medium-grained, no to weakly hematitization.					
1867.9	1869.3	Sandstone; fine-grained, buff, no hematitization.					
1878.2	1879.5	Sandstone; mottled appearance.					
1882.2	1882.7	Large quartz pebbles, .5" to 1.5" diameter.					
1917.0	1917.3	Fracture sub-parallel to the core.					
1922.3	1923.4	Sandstone; fine to medium-grained, light pink, weakly hematitized.					
1944.3	1946.2	Irregular, interbanded unhematitized and weakly hematitized sandstone.					
1946.7	1948.4	Sandstone; medium-grained, light purple, weakly hematitized, with irregular small banding of darker hematitization.					

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FROM	TO	REMARKS					
1948.4	1950.6	Similar to (1946.7-1948.7), strong hematitization.					
1950.6	1957.0	Similar to (1946.7-1948.7).					
1950.6	1952.6	Sandstone; mottled.					
1957.0	1960.0	Similar to (1948.4-1950.6).					
1966.2		Sandstone; fine-grained, buff in color.					
1972.9	1977.0	Similar to (1944.3-1946.2).					
1977.7		Quartz pebble.					
1989.7	1989.9	Sandstone; fine-grained, buff, no hematitization.					
1998.9	2002.0	Sandstone; medium to coarse-grained, grey to pink to dark grey. Weakly hematitized, very mottled.					
2002.9		Quartz pebble; 1" diameter.					
2005.8		Quartz pebble.					
2007.2	2005.4	Sandstone; medium to coarse-grained, pink and dark grey, mottled appearance.					
2007.2		Quartz cobble.					
2012.2	2014.0	Sandstone; medium to coarse-grained, buff, no hematitization.					
2024.1	2024.8	Similar to (2012.2-2014.0).					
2025.8		Quartzite pebble, 2" diameter.					
2028.9	2029.2	Similar to (2012.2-2014.0).					
2029.5		Quartz cobble.					
2035.0	2035.5	Similar to (2012.2-2014.0).					
2040.3	2041.8	Similar to (2012.2-2014.0).					
2054.1	2055.1	Similar to (2012.2-2014.0).					
2060.0		Quartz cobble.					
2061.2		Quartz pebble.					
2063.4	2066.0	Sandstone; medium-grained, weakly hematitized with darker banding, giving it a weakly striped appearance.					
2066.0	2066.5	Sandstone; medium-grained, buff, no hematitization.					

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FROM	TO	REMARKS						
2066.5	2067.5	Sandstone; medium-grained, grey and buff, mottled.						
2079.9	2102.0	Sandstone; medium-grained, buff to pink to grey-purple. Irregular amounts of hematitization. Vuggy and porous in appearance. Pebbles are widespread.						
2083.0		Sandstone; fine-grained, pink in color.						
2102.0	2197.5	Sandstone; medium-grained, buff-pink to grey. No to weak, irregular hematitization. Pebbles are sub-rounded to sub-angular of quartz and quartzite composition; randomly spaced. Has a vuggy appearance with minor amounts of mafics. Fractures are at 90° to the core.						
2102.1	2102.2	Sandstone; fine to medium-grained, moderately to strongly hematitized.						
2105.8	2106.0	Sandstone; fine-grained, buff, no hematitization.						
2122.2	2123.3	Similar to (2105.8-2106.0).						
2125.7		Bedding at 85° to the core.						
2129.9	2130.6	Similar to (2105.8-2106.0).						
2132.0		Conglomerate; quartz pebbles.						
2134.3	2134.7	Sandstone; fine to medium-grained, grey to pink, unhematitized.						
2135.4	2136.0	Similar to (2134.3-2134.7).						
2136.0	2136.6	Sandstone; fine-grained, grey, unhematitized.						
2136.6	2136.9	Sandstone; fine-grained, purple, moderately hematitized.						
2138.9	2139.2	Sandstone; fine-grained, buff in color.						
2141.8	2142.7	Sandstone; coarse-grained, dark pink, weakly hematitized.						
2142.3		Quartz pebble 1.5" diameter.						
2142.7		Quartzite pebble 2.0" diameter.						
2146.6	2148.1	Similar to (2146.0-2148.1).						
2156.0	2169.4	Sandstone; series of fine to medium-grained, pink, unhematitized sections, interbanded with medium-grained, grey, weakly hematitized sections.						
2160.4	2161.0	Sandstone; coarse-grained, moderately hematitized.						
2168.3		Quartz pebble with mica.						
2176.4	2176.5	Minor broken core.						
2177.0	2177.4	Sandstone; medium, grading into fine-grained, dark grey. Weakly hematitized.						

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FROM	TO	REMARKS						
2177.4	2178.2	Sandstone; fine-grained, buff, unhematitized.						
2178.2	2183.8	Sandstone; fine to medium-grained, light grey, none to very weakly hematitized.						
2183.8		Quartzite pebble, 2" diameter.						
2184.0		Quartz pebble, 1" diameter.						
2184.7		Elongated shale chip oriented at 90° to the core.						
2187.2	2187.9	Sandstone; medium to coarse-grained, weakly hematitized. Quartz pebbles up to 1.5" in diameter.						
2188.6	2189.5	Sandstone; fine-grained, buff to pink in color.						
2192.7		Similar to (2184.7).						
2195.0		Quartz pebble.						
2195.7		Quartz cobble.						
2196.3		Conglomeratic pebble, 1.0" in diameter.						
2197.5	2299.0	Sandstone; fine to medium-grained, buff to pink, and dark grey. No, to weak, irregular hematitization. Quartz pebbles throughout, with fractures at 60° to the core. Radioactivity slightly above background, 800-1000 cpm on TV-1A.						
2199.9	2200.0	Sandstone; fine-grained, buff in color.						
2202.7	2202.9	Similar to (2199.9-2200.0).						
2205.2	2205.3	Similar to (2199.9-2200.0).						
2205.8	2208.0	Sandstone; fine-grained, pink to buff, unhematitized.						
2208.9	2209.4	Sandstone; fine-grained, pink, weakly hematitized. Quartz pebbles up to 1.5" in diameter.						
2212.1	2213.4	Sandstone; fine-grained, dark grey, moderately hematitized. Weak radioactivity, 1100 cpm on TV-1A.						
2225.3	2226.8	Sandstone; fine-grained, buff, unhematitized.						
2227.6		Quartz pebble; 1" in diameter.						
2239.7	2240.6	Similar to (2225.3-2226.8).						
2242.3		Quartz pebble; 0.5" in diameter.						
2244.5	2245.2	Sandstone; fine-grained, buff to light grey, unhematitized.						
2252.5		Gneiss pebble; 1.0" in diameter.						

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FROM	TO	REMARKS						
2259.0		Quartz cobble.						
2264.4		Quartz pebble; 1.0" in diameter.						
2265.2	2266.8	Sandstone, fine-grained, pink to buff, unhematitized.						
2268.2		Quartz pebble; 0.5" in diameter.						
2269.7	2270.7	Similar to (2212.1 - 2213.4). Radioactivity, 1300 cpm with TV-1A.						
2271.6	2271.9	Sandstone; fine-grained, buff, unhematitized.						
2275.2	2275.3	Similar to (2271.6 - 2271.9).						
2278.0	2278.4	Similar to (2271.6 - 2271.9).						
2286.2		Arkose pebble; 0.5" in diameter.						
2289.4	2289.7	Similar to (2271.6 - 2271.9).						
2291.8	2292.2	Similar to (2271.6 - 2271.9).						
2294.7		Quartz pebble; 0.5" in diameter.						
2297.1	2297.3	Similar to (2271.6 - 2271.9).						
2297.8		Quartz pebble; 0.5" in diameter.						
2299.0	2660.8	Sandstone; fine to medium-grained with buff to pink and dark grey sections interbanded throughout. No to weak hematitization; pebbles throughout.						
2311.8		Quartz pebble; 1.0" in diameter.						
2312.5		Quartz and gneiss pebbles.						
2320.7		Quartz pebble; 1.0" in diameter.						
2325.5	2326.5	Sandstone; fine-grained, sulphide mineralization present. Radioactivity, 1400 cpm on TV-1A.						
2336.7		Gneiss pebble; 1.0" diameter.						
2348.0		Quartz pebble; 0.5" diameter.						
2352.8		Quartz pebble; 1.0" in diameter.						
2359.2		Gneiss pebble elongated at 90° to the core.						
2357.0		Gneiss pebble; 1.0" diameter.						
2357.7	2361.0	Abundant pebbles of gneiss and quartz, 0.5" in diameter.						
2363.9	2364.3	Fracture at 10° to the core.						

GOLDEN EAGLE OIL & GAS LTD MINERAL DEPARTMENT			HOLE NO. 79-LAJV-006				
FROM	TO	REMARKS					
2371.0		Similar to (2364.8).					
2376.8		Quartz pebble; 0.5" in diameter.					
2379.7		Similar to (2364.8).					
2381.2	2381.3	Quartz.					
2385.9		Limonite in fracture at 90° to the core.					
2386.2		Quartz pebble.					
2386.8	2387.0	Small pebbles of gneiss.					
2390.4		Gneiss pebble.					
2407.9		Breccia; minor carbonate in fractures.					
2415.3		Quartz pebble; 0.5" in diameter.					
2422.6		Strongly hematitized pebble possibly from banded iron formation. Minor vugs.					
2422.8		Gneiss pebble; 0.5" in diameter.					
2426.4		Jasper, with minor magnetite.					
2428.8		Quartz pebble; 0.5" in diameter.					
2429.0		Minor trace of strongly hematitized pebble, possibly of a banded iron formation.					
2431.6		Quartz pebble.					
2436.0	2436.5	Sandstone; medium to coarse-grained, weakly hematitized.					
2443.8	2444.8	Pebbles and cobbles of quartz and banded iron formation.					
2457.1		Gneiss pebble; light brown elongated at 90° to the core.					
2467.2		Hematitized pebble possibly from banded iron formation, elongated at 90° to the core.					
2481.8	2481.9	Sandstone; fine-grained feldspar is dominant.					
2492.7		Sandstone; fine-grained, moderately hematitized.					
2512.0	2556.0	Weak radioactivity throughout section, 1000 - 1100 cpm on TV-1A.					
2511.5	2511.8	Sandstone; fine-grained, buff, no hematitization. Feldspar dominant.					
2513.5	2513.6	Similar to (2511.5 - 2511.8).					
2515.9		Moderately hematitized, fine-grained sandstone fractured at 90° to the core.					

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FROM	TO	REMARKS						
2529.1	2529.5	Pebbles of quartz, quartz-feldspar and banded iron formation.						
2537.9	2539.4	Sandstone; medium-grained, weakly hematitized. Pebbles throughout.						
2547.8	2551.3	Sandstone; fine-grained, buff to pink-grey, weakly hematitized.						
2587.0	2598.8	Sandstone; medium-grained, grey to purple, no to moderate hematitization. Fewer pebbles than in rest of section.						
2605.5		Strongly altered gneiss, very soft.						
2609.4	2609.8	Pebbles of quartz, quartz-feldspar and banded iron formation.						
2614.5	2615.0	Intermixed pebbles of quartz, quartz-feldspar, gneiss and banded iron formation. Layer of shale oriented at 80° to the core.						
2626.5	2660.8	Pebbles throughout of quartz, gneiss, meta-arkose and banded iron formation.						
2627.2		Irregular shaped quartz-feldspar pebble.						
2627.9	2628.4	Pebbles of meta-arkose, quartz-feldspar and banded iron formation.						
2641.3		Large mica fragments.						
2644.2		Sandstone; fine-grained, moderately hematitized in fracture.						
2657.3		Banded iron formation; strongly hematitized.						
2660.8	2698.7	Sandstone; fine to medium-grained, pink-grey to grey. No to weak, irregular hematitization. Fracture at 90° to the core.						
2680.0		Mafic gneiss pebble, irregular shape.						
2693.2	2693.4	Fracture at 15° to the core.						
2698.7	2701.5	Basal conglomerate; pebbles and cobbles throughout consisting mainly of quartz-feldspar with minor chloritization. Numerous pebbles of gneiss and regolith. Matrix consists of material similar to pebbles, coarse-grained, moderate irregular hematitization which makes up the cement. Weak radioactivity 1200 - 1300 cpm on TV-1A.						
2701.5	2727.0	REGOLITH COLOR: Red-brown and blue-grey. HARDNESS: 3.0 - 6.0						

GOLDEN EAGLE OIL & GAS LTD
MINERAL DEPARTMENT

HOLE NO. 79-LAJV-006

FROM	TO	REMARKS																																																																																								
		<p>DESCRIPTION: The material in this unit is extensively altered, from shearing. The upper section consists of irregular banding of moderate hematitization. Large amounts of feldspar and minor chlorite sandstone can be seen throughout. The lower section is a blue-grey with irregular earthy hematitization along fracture planes, with most of the section highly chloritized.</p> <p>COMPOSITION:</p> <table data-bbox="598 487 840 592"> <tr><td>Feldspar</td><td>40%</td></tr> <tr><td>Quartz</td><td>5%</td></tr> <tr><td>Chlorite</td><td>20%</td></tr> <tr><td>Hematite</td><td>25%</td></tr> <tr><td>Sandstone</td><td>10%</td></tr> </table> <p>ALTERATION: Unit is strongly altered, dominated by weak to moderate hematitization, with widespread chloritization and minor feldspathization.</p> <p>RADIOACTIVITY:</p> <table data-bbox="598 698 1354 1096"> <thead> <tr> <th>Footage</th> <th>cpm</th> <th>Footage</th> <th>cpm</th> </tr> </thead> <tbody> <tr><td>2701.5-2703.0</td><td>1800</td><td>2710.0-2711.0</td><td>2100</td></tr> <tr><td>2703.0-2704.0</td><td>2000</td><td>2711.0-2712.0</td><td>2300</td></tr> <tr><td>2704.0-2705.0</td><td>2000</td><td>2712.0-2713.0</td><td>2000</td></tr> <tr><td>2705.0-2706.0</td><td>1800</td><td>2713.0-2714.0</td><td>2000</td></tr> <tr><td>2706.0-2707.0</td><td>2200</td><td>2714.0-2715.0</td><td>2100</td></tr> <tr><td>2707.0-2708.0</td><td>2300</td><td>2715.0-2716.0</td><td>2400</td></tr> <tr><td>2708.0-2709.0</td><td>2400</td><td>2716.0-2717.0</td><td>2600</td></tr> <tr><td>2709.0-2710.0</td><td>2300</td><td>2717.0-2718.0</td><td>2000</td></tr> <tr><td></td><td></td><td>2718.0-2719.0</td><td>2500</td></tr> <tr><td></td><td></td><td>2719.0-2720.0</td><td>2100</td></tr> <tr><td></td><td></td><td>2720.0-2721.0</td><td>2400</td></tr> <tr><td></td><td></td><td>2721.0-2722.0</td><td>2300</td></tr> <tr><td></td><td></td><td>2722.0-2723.0</td><td>1900</td></tr> <tr><td></td><td></td><td>2723.0-2724.0</td><td>1800</td></tr> <tr><td></td><td></td><td>2724.0-2725.0</td><td>1800</td></tr> <tr><td></td><td></td><td>2725.0-2726.0</td><td>2000</td></tr> <tr><td></td><td></td><td>2726.0-2727.0</td><td>2000</td></tr> </tbody> </table> <p>CORE: No broken or ground core. Fracturing from 30° to 90° to the core.</p>	Feldspar	40%	Quartz	5%	Chlorite	20%	Hematite	25%	Sandstone	10%	Footage	cpm	Footage	cpm	2701.5-2703.0	1800	2710.0-2711.0	2100	2703.0-2704.0	2000	2711.0-2712.0	2300	2704.0-2705.0	2000	2712.0-2713.0	2000	2705.0-2706.0	1800	2713.0-2714.0	2000	2706.0-2707.0	2200	2714.0-2715.0	2100	2707.0-2708.0	2300	2715.0-2716.0	2400	2708.0-2709.0	2400	2716.0-2717.0	2600	2709.0-2710.0	2300	2717.0-2718.0	2000			2718.0-2719.0	2500			2719.0-2720.0	2100			2720.0-2721.0	2400			2721.0-2722.0	2300			2722.0-2723.0	1900			2723.0-2724.0	1800			2724.0-2725.0	1800			2725.0-2726.0	2000			2726.0-2727.0	2000						
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2721.5	2705.0	Moderately hematitized section pseudo-banding at 70° to the core.																																																																																								
2705.0	2717.0	Blue-grey pseudo-banding not as predominate.																																																																																								
2722.5	2723.5	Fracture at 10° to the core.																																																																																								
2724.2	2727.0	Chloritization is dominate alteration.																																																																																								
2727.0	2752.3	MYLONITE																																																																																								

GOLDEN EAGLE OIL & GAS LTD
MINERAL DEPARTMENT

HOLE NO. 79-LAJV-006

FROM	TO	REMARKS						
		<p>COLOR: Pink to green, dark-green; minor red-brown.</p> <p>HARDNESS: 3.0 - 5.5</p> <p>DESCRIPTION: This unit is highly altered with the upper section being altered Mylonite grading into a Mylonite. The unit is fine to medium-grained, heavily sheared, highly chloritized rock. Moderate hematitization is present in fractures.</p> <p>The Mylonite dominantly consists of feldspar with chlorite and minor mafics. Feldspar and quartz become more visible with depth. There is minor sulphide mineralization found near fractures.</p> <p>COMPOSITION: Feldspar 50% Quartz 5% Chlorite 30% Mafics 15%</p> <p>ALTERATION: Strong chloritization throughout, weak to moderate hematitization, and minor feldspathization in fractures. Healing process in fractures is dominantly chloritization and hematitization, with minor feldspathization.</p> <p>RADIOACTIVITY: Weak throughout, about 2000 cpm on TV-1A.</p> <p>CORE: Minor broken core, no ground core. Fractures vary from 0° to 90° to the core.</p>						
2727.2	2727.7	Broken core.						
2731.2	2731.5	Fractures at 30° to the core.						
2734.5	2737.0	Fracture sub-parallel to the core.						
2738.7	2740.0	Fracture sub-parallel to the core.						
2743.5	2745.0	Fracture at 35° to the core.						
2745.0	2752.3	Intermixing of Mylonite and Migmatite.						
2752.3	2781.0	<p>MIGMATITE</p> <p>COLOR: Grey-green to buff, pink.</p> <p>HARDNESS: 4.0 - 6.0.</p>						

GOLDEN EAGLE OIL & GAS LTD
MINERAL DEPARTMENT

HOLE NO. 79-LAJV-006

FROM	TO	REMARKS																	
		<p>DESCRIPTION: This unit is basically a granitic rock with gneissic sections throughout. Strong widespread chloritization, with minor feldspathization in fractures. The quartz and feldspar in the unit are more dominant in the sections which have been altered by chlorite. There is minor sulphide mineralization, with some mafic material and trace garnets, which have been partially broken down.</p> <p>COMPOSITION:</p> <table data-bbox="590 509 848 639"> <tr><td>Feldspar</td><td>40%</td></tr> <tr><td>Quartz</td><td>35%</td></tr> <tr><td>Chlorite</td><td>20%</td></tr> <tr><td>Mafics</td><td>5%</td></tr> <tr><td>Garnet</td><td>Trace</td></tr> <tr><td>Sulfides</td><td>Trace</td></tr> </table> <p>ALTERATION: Highly chloritized, with minor feldspathization.</p> <p>RADIOACTIVITY: Weak throughout, about 2200 cpm on TV-1A.</p> <p>CORE: No broken or ground core, fractures throughout, dominantly at 30° to 45° to the core.</p>	Feldspar	40%	Quartz	35%	Chlorite	20%	Mafics	5%	Garnet	Trace	Sulfides	Trace					
Feldspar	40%																		
Quartz	35%																		
Chlorite	20%																		
Mafics	5%																		
Garnet	Trace																		
Sulfides	Trace																		
2756.3	2756.6	Fracture at 20° to the core.																	
2760.3	2761.2	Fracture at 10° to the core.																	

GOLDEN EAGLE OIL & GAS LTD MINERAL DEPARTMENT			HOLE NO.				
FROM	TO	REMARKS					
		431.0 - 432.0 2300 cpm on TV-1A 444.4 - 445.4 2200 cpm on TV-1A 2936.0 - 2937.0 1400 cpm on TV-1A CORE: Minor broken core and ground core dominant in upper sections. Fractures at 0° to 90° in upper sections with fractures at 90° dominant in lower sections.					
85.0	85.3	Broken core of fine-grained sandstone. Moderately chloritized or glauconitized throughout.					
85.3	98.7	Sandstone; fine to medium-grained, buff, no hematitization.					
98.7	181.0	Sandstone; fine to medium-grained, buff to pink to purple. No to weak irregular bands, to moderate local hematitization. Shale and clay sections throughout with weak widespread chloritization.					
108.0	108.5	Sandstone; medium to coarse-grained, pink, weak hematitization.					
108.5	109.4	Moderately chloritized shale.					
109.0	109.4	Broken core.					
109.5	109.9	Sandstone; fine to medium-grained, light purple, moderately hematitized.					
111.0		Clay in fracture at 90° to the core.					
112.0	112.2	Shale; clay-rich.					
113.0	115.0	Sandstone; fine-grained, clay-rich, unhematitized.					
115.0	115.3	Shale; clay-rich with minor chloritization or glauconitization.					
122.0		Clay chip.					
115.3	124.0	Sandstone; fine to medium-grained, buff to pink. No to weak irregular hematitization.					
124.0	126.6	Sandstone; fine to medium-grained, buff, unhematitized.					
127.8	129.0	Sandstone; fine-grained, unhematitized with clay banding throughout at 75° to the core.					
129.0	132.3	Sandstone; same as (124.0-126.6).					
132.8	135.8	Sandstone; same as (124.0-126.6).					
132.8		Bedding at 70° to the core.					
136.0	136.1	Sandstone; coarse-grained, buff, unhematitized.					
136.7		Bedding at 70° to the core.					

GOLDEN EAGLE OIL & GAS LTD
MINERAL DEPARTMENT

HOLE NO. 79-LAJV-007

FROM	TO	REMARKS						
137.0	141.5	Sandstone; same as (124.0-126.6).						
142.4	148.4	Sandstone; fine-grained, buff to pink. No to weak irregular hematitization with clay bands throughout.						
148.4	150.8	Sandstone; fine to medium-grained, buff, minor pink. Unhematitized.						
150.8	151.7	Sandstone; coarse-grained, buff, minor spotted hematitization.						
155.7	164.8	Sandstone; fine to medium-grained, buff, unhematitized.						
166.3	167.0	Sandstone; shaly, clay-rich. Chloritization or glauconitization.						
168.6	168.7	Sandstone; same as (166.3-167.0).						
168.7	170.5	Sandstone; fine-grained, pink to purple. Banding of weak and moderate hematitization.						
169.2	169.3	Sandstone; same as (166.3-167.0).						
171.2	171.5	Bedding at 70° to the core.						
172.0	178.6	Sandstone; fine-grained, buff to pink. No to weak spotty hematitization						
181.0	228.8	Sandstone; fine-grained, buff to purple. Weak to moderate hematitization with minor unhematitized sections. Clay stringers throughout with shale sections radioactive. 1800 cpm on TV-1A. Minor chloritization or glauconitization present in fractures. Fracturing dominantly at 90° to the core.						
189.0	189.3	Sandstone; medium-grained, weak chloritization or glauconitization throughout.						
193.5		Fractures at 70° to the core.						
194.3	194.5	Bedding at 75° to the core.						
203.5		Shale chip.						
206.8	208.2	Sandstone; fine-grained, buff, unhematitized.						
210.0	211.5	Sandstone; fine-grained, purple, moderately hematitized with sections of shale. Chloritization in fractures.						
212.1	213.0	Sandstone; fine-grained, weak to moderate hematitization with spotty leaching.						
215.3		Shale; chloritized.						
217.3	218.3	Shale; chloritized with strong hematitization. Radioactivity weak 1800 cpm on TV-1A.						
218.3		Coarse-grained sandstone.						
218.4	222.0	Sandstone; fine-grained. Intermixed buff and grey sections with magnetite and possibly galena present in grey sections. Mafics found throughout sections.						

GOLDEN EAGLE OIL & GAS LTD
MINERAL DEPARTMENT

HOLE NO. 79-LAJV-007

FROM	TO	REMARKS						
222.0	223.4	Sandstone; fine-grained with buff and pink bands due to irregular hematitization.						
223.9	227.0	Sandstone; same as (218.3-222.0).						
228.8	280.8	Sandstone; fine-grained, pink to purple. Interbanded sections of weak and moderate hematitization. Minor chloritization in fractures. Fractures at 90° to the core.						
275.6	277.8	Sandstone; fine-grained, buff, unhematitized.						
278.4	280.8	Sandstone; same as (275.6-277.8).						
280.8	327.9	Sandstone; fine-grained, greenish buff to purple, moderate hematitization. Shale sections throughout with spotty leaching.						
280.8	280.9	Shale; chloritized or glauconitized.						
280.9	281.3	Sandstone; shaly, chloritized or glauconitized.						
281.3	282.9	Sandstone; fine-grained, spotty leaching throughout.						
282.9	283.2	Shale; sandy, chloritized.						
283.2	284.1	Sandstone; fine-grained, shale in fracture.						
284.1	284.2	Broken core.						
286.4	287.4	Intermixed shale and sandstone. Weak radioactivity 2600 cpm on TV-1A.						
289.0	290.5	Shale; moderately hematitized. Weak radioactivity 1800 cpm on TV-1A.						
290.5	291.5	Sandstone; shaly, moderately hematitized, spotty leaching.						
291.5	298.3	Sandstone; very fine-grained, weak to moderate hematitization, spotty leaching.						
294.6	294.7	Broken core.						
298.3	299.0	Broken core.						
299.4	300.2	Fracture at 15° to the core.						
301.0	302.9	Shale; spotty chloritization or glauconitization throughout. Moderate hematitization.						
304.0	304.4	Shale and sandstone intermixed.						
304.4	313.7	Sandstone; very fine-grained, greenish buff. Chloritization throughout with minor hematitization.						
313.7	319.3	Sandstone; very fine-grained, grey, weak hematitization, spotty leaching throughout.						
319.3	319.5	Shale; sandy.						
320.1	320.5	Shale intermixed with very fine-grained sandstone.						

GOLDEN EAGLE OIL & GAS LTD MINERAL DEPARTMENT			HOLE NO. 79-LAJV-007			
FROM	TO	REMARKS				
320.5	320.7	Shale chips in a fine-grained sandstone.				
320.7	321.4	Shale; red-brown, spotty chloritization throughout.				
320.5	321.4	Weak radioactivity 2000 cpm on TV-1A.				
324.8	325.2	Sandstone; very fine-grained, buff, spotty chloritization.				
325.8	327.9	Shale; same as (320.7-321.4).				
327.9	400.4	Sandstone; very fine to fine-grained, buff to grey to purple. No to moderate hematitization. Minor tiger-stripping, spotty leaching throughout. Minor chloritization with shale. Fractures at 90° to the core. Radioactivity weak 1100 to 1200 cpm on TV-1A.				
327.9	331.2	Sandstone; very fine to fine-grained, buff, minor chloritization throughout. Shale chips.				
344.2	345.3	Sandstone; shaly, spotty chloritization throughout.				
345.3	346.8	Sandstone; fine-grained, grey, spotty hematitization.				
347.9	348.5	Similar to (344.2-345.3).				
348.5	351.5	Sandstone; fine-grained, greenish-buff, weak spotty hematitization. Moderate chloritization weakening with depth. Shale chips throughout.				
356.7	357.0	Broken core.				
357.0	367.0	Ground core.				
368.1	368.8	Shale; red-brown, weak chloritization. Radioactivity 2400 cpm on TV-1A.				
359.9	361.4	Sandstone; fine-grained, weak tiger-stripping.				
366.7	369.6	Sandstone; same as (359.9-361.4).				
370.0		Shale; red-brown, chloritized.				
370.3	370.7	Shale; similar to (370.0).				
370.7	372.0	Sandstone; very fine-grained, buff, minor weak hematitization.				
372.0	375.2	Sandstone; very fine-grained, weak tiger-stripping.				
377.0	381.4	Sandstone; fine-grained, light purple, weak hematitization. Strong spotted leaching, weak chloritization throughout. Minor mica.				
382.4	384.0	Sandstone; same as (377.0-381.4).				
387.0	390.0	Sandstone; very fine-grained, greenish-grey. Hematite spotting with weak chloritization throughout.				
391.3	392.0	Sandstone; very fine-grained, weak chloritization abundant shale chips.				

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FROM	TO	REMARKS					
392.3	395.3	Shale; red-brown, chloritized throughout. Radioactivity 2500 cpm on TV-1A.					
395.7	396.2	Sandstone; very fine-grained, abundant shale chips.					
396.2	400.4	Sandstone; very fine-grained, buff, weak spotty hematitization. Minor shale chips.					
400.4	522.0	Shale with sandy shale intermixed, grading into a shaly sandstone. Shale; weak to moderate hematitization, moderate chloritization throughout. Spotted leaching with mica throughout. Radioactivity 1500 to 2800 cpm on TV-1A.					
402.0	403.0	Weak radioactivity 2800 cpm on TV-1A.					
406.0	407.0	Weak radioactivity 2000 cpm on TV-1A.					
415.2	416.2	Weak radioactivity 2400 cpm on TV-1A.					
431.0	432.0	Weak radioactivity 2300 cpm on TV-1A.					
434.8	435.3	Shale; sandy, buff-green, chlorite and mica abundant.					
436.4	437.4	Shale; highly chloritized, radioactivity weak 2300 cpm on TV-1A.					
437.0	437.4	Broken core.					
443.2	443.4	Fracture at 25° to the core.					
444.4	445.4	Radioactivity weak 2200 cpm on TV-1A.					
459.2	459.8	Shale; similar to (436.4-437.4). Weak radioactivity 2100 cpm on TV-1A.					
462.9	463.2	Fracture at 25° to the core.					
464.3	465.0	Shale; similar to (436.4-437.4). Weak radioactivity 1900 cpm on TV-1A.					
488.5	488.8	Fracture at 10° to the core.					
493.2	494.2	Weak radioactivity 2200 cpm on TV-1A.					
468.0	468.4	Fracture sub-parallel to the core.					
470.3	470.7	Fracture at 20° to the core.					
476.6	477.6	Weak radioactivity 2300 cpm on TV-1A.					
484.4	484.5	Fracture at 45° to the core.					
486.4	487.1	Fracture sub-parallel to the core.					
498.7	499.8	Shale; highly chloritized, weak radioactivity 2200 cpm on TV-1A.					
499.8	500.2	Fracture sub-parallel to the core.					

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FROM	TO	REMARKS						
503.5	504.5	Weak radioactivity 2200 cpm on TV-1A.						
510.8	511.0	Fracture at 15° to the core.						
512.5	513.6	Shale; sandy, chloritized, mica abundant.						
516.2	517.0	Shale; sandy, chloritized, mica abundant.						
517.7	517.9	Fracture at 30° to the core.						
522.0	572.1	Shale intermixed with shaly-sandstone. Shale is weak to moderately hematitized, chloritization throughout, mica abundant. Sandstone; shaly, highly chloritized, no to weak hematitization. Spotted leaching throughout, mica and chlorite abundant.						
532.0	534.0	Shale; moderately hematitized, chlorite throughout. Weak radioactivity 2300 cpm on TV-1A.						
538.5	539.5	Shale; similar to (532.0-534.0).						
545.0	546.0	Shale; similar to (532.0-534.0). Chloritization not as prominent.						
547.0	548.6	Shale; light purple, tiger-striped, weakly hematitized. Spotted leaching throughout.						
548.7	551.0	Shale; mottled.						
551.8	552.0	Broken core.						
554.0	554.7	Sandstone; shaly, buff, mica abundant.						
564.8	565.7	Broken core.						
566.6	567.1	Broken core.						
572.1	603.7	Sandstone; shaly to very fine-grained, chloritization striping, with weak to moderate hematitization. Minor spotted leaching with minor hematite spotting. Minor shale sections.						
572.1	573.1	Sandstone; shaly, buff, with small clay chips throughout.						
573.8	573.9	Shale; moderately hematitized, some chloritization.						
578.7	580.6	Shale; sandy.						
580.6	580.7	Shale; highly chloritized.						
581.3	581.5	Shale; clay-rich.						
600.5	601.2	Shale; moderately hematitized, minor chloritization.						
603.7	623.1	Interbanded sandstone and shale. Sandstone; shaly, grey, no to weakly hematitized, spotted leaching. Shale is moderately hematitized.						
605.2	605.8	Shale; moderately hematitized.						

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FROM	TO	REMARKS				
605.8	605.9	Pebble of quartzite.				
608.1	608.2	Shale; similar to (605.2-605.8).				
609.5	610.2	Shale; sandy.				
616.0	619.8	Shale; dark red-brown, moderately hematitized, chloritized throughout.				
620.7	621.0	Shale; red-brown, moderately hematitized, chloritized throughout.				
623.1	645.7	Sandstone; shaly to very fine-grained, grey. No to weak stringers of hematitization. Minor shale, clay chloritized in fractures at 90° to the core.				
628.0	628.2	Fracture at 30° to the core.				
645.7	707.0	Sandstone and shale intermixed. Sandstone; very fine-grained, light grey, no to weak hematitization. Shale; sandy, red-brown, minor chloritization.				
645.7	651.3	Shale; purple.				
651.3	654.7	Sandstone; fine-grained, grey, weakly hematitized.				
654.7	655.1	Shale; sandy, red-brown with minor chlorite.				
655.1	660.6	Similar to (651.3-654.7).				
660.6	661.1	Sandstone; medium-grained, dark grey, weakly hematitized.				
661.2		Shale chips.				
661.2	664.8	Sandstone; similar to (651.3-654.7) but very fine-grained grading into fine to medium-grained.				
664.8	665.2	Broken core in shale.				
665.2	667.3	Sandstone; very fine-grained, grey, no to weak hematitization.				
667.3	668.5	Shale; sandy, weakly hematitized, minor chloritization.				
668.5	668.7	Conglomerate of shale, quartz and quartzite.				
668.7	670.8	Shale; red-brown, clay-rich, moderately hematitized. Chloritized throughout.				
670.8	677.3	Sandstone; very fine-grained, grey, weakly hematitized. Minor spotted leaching, clay-rich, shale in fractures.				
677.3	677.6	Shale; sandy, clay-rich, chlorite throughout.				
677.6	678.1	Shale; red-brown, moderately hematitized, minor chloritization. Fracture sub-parallel to the core.				
678.1	678.5	Shale; sandy, red-brown, moderately hematitized.				

GOLDEN EAGLE OIL & GAS LTD MINERAL DEPARTMENT			HOLE NO. 79-LAJV-007			
FROM	TO	REMARKS				
678.5	682.0	Sandstone; very fine-grained, grey colored. Shale; sandy found in fractures, moderately hematitized.				
682.0	686.5	Sandstone; shaly to very fine-grained, pink-grey to dark grey, moderately hematitized. Shale is sandy found in fractures.				
682.0		Shale; clay-rich, minor chloritization.				
686.5	687.0	Sandstone clay interbanded at 90° to the core. Sandstone; shaly, moderately hematitized clay in bands, chlorite throughout.				
687.0	693.0	Sandstone; shaly to very fine-grained, pink-grey, weakly hematitized, clay filled fractures.				
693.0	693.5	Sandstone; very fine-grained, buff, very weak hematitization throughout.				
693.5	706.5	Sandstone; very fine to fine-grained, dark pink-grey to pink-grey. No to locally moderate hematitization. Shale clay-rich in fractures, weakly hematitized.				
705.3	705.7	Fracture at 15° to the core.				
706.5	706.7	Shale; red-brown color.				
707.0	757.0	Sandstone; very fine to fine-grained, dark pink to buff-grey. No to weak hematitization. Minor chloritized stringers throughout. Shale dominant in fractures.				
707.0	732.0	Sandstone; very fine to fine-grained. Alternating pink-grey and dark pink bands with minor chloritized stringers.				
732.0	736.1	Sandstone; fine-grained, buff, unhematitized.				
734.1		Fracture at 70° to the core.				
734.5		Fracture at 70° to the core.				
736.1	748.2	Sandstone; similar to (707.0-732.0) but minor hematite spotting.				
748.2	754.2	Sandstone; fine-grained, buff, unhematitized.				
749.1		Fracture at 65° to the core.				
753.1	754.0	Fracture sub-parallel to the core.				
757.0	846.8	Sandstone; fine-grained, buff-grey to grey. No to minor spotted hematitization. Hematitization stronger in healed fractures. Shale is widespread.				
7570.0	757.6	Sandstone; fine-grained, pink-grey, weak hematitization.				
758.7	758.8	Shale; red-grey-brown color.				
760.5	760.8	Shale; light red-grey-brown color.				
767.0		Sand.				

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FROM	TO	REMARKS						
766.9	767.2	Shale; same as (760.5-760.8).						
768.6	768.7	Shale; same as (760.5-760.8).						
769.5	772.0	Sandstone; fine-grained, buff and grey intermixed. Hematite spotting.						
774.0	774.1	Shale; light red-brown color.						
775.4	775.6	Shale; same as (774.0-774.1).						
782.0	782.6	Shaly sandstone intermixed with shale.						
782.6	782.8	Shale; moderately chloritized.						
782.8	784.0	Shale; moderately hematitized and chloritized.						
784.0		Shale; moderately chloritized.						
789.4		Shale; weakly chloritized.						
790.9		Irregular shaped shale chip.						
791.0	791.2	Shale; clay-rich.						
792.7	793.0	Shale; moderately hematitized.						
795.4	795.6	Shale.						
801.7	801.8	Sandstone; shaly.						
804.0	804.3	Fracture at 20° to the core in shale.						
805.8	805.9	Shale; sandy, highly chloritized with spotted hematitization.						
807.5		Fracture at 60° to the core.						
808.7	809.3	Fracture at 10° to the core.						
819.7	820.0	Shale; sandy, mica and minor chloritization throughout.						
820.9	821.0	Shale; clay-rich in fracture.						
825.7	827.0	Fracture sub-parallel to the core.						
830.3	830.5	Shale; same as (820.9-821.0).						
836.0	836.1	Shale; moderately hematitized.						
842.4	842.9	Sandstone; weak mottled hematitization, minor chloritization. Sulphide mineralization present - galena.						
842.9	843.1	Shale; sandy, minor chloritization grading into weak hematitization.						

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FROM	TO	REMARKS						
844.0	844.1	Shale.						
844.7	844.8	Shale.						
846.8	876.7	Sandstone; fine-grained, buff to light grey, no to weak hematitization. Minor shale.						
848.4	849.3	Sandstone; fine-grained, buff, clay chips and clay filled fractures.						
860.8	850.9	Shale; sandy, moderate hematitization, minor chloritization.						
859.5		Shale.						
859.5	862.0	Intermixed fine-grained and shaly sandstone. Spotty hematitization.						
861.1		Shale.						
862.8	863.0	Shale.						
863.8		Shale; clay-rich.						
865.0	865.1	Quartz-feldspar.						
862.0		Shale; clay-rich, minor broken core.						
876.7	948.9	Sandstone; fine-grained, pink to grey, no to weak hematitization. Abundant fractures, minor shale.						
876.7	877.0	Shale; chloritized.						
877.0	877.9	Mottled section consisting of shale, quartz-feldspar and sandstone. Minor irregular hematitization.						
878.3	880.0	Fracture sub-parallel to the core, moderately hematitized.						
879.3	880.4	Shale; buff, irregular weak hematitization.						
880.4	882.0	Shale and shaly sandstone intermixed.						
889.0	889.3	Fracture at 15° to the core.						
893.2		Clay chip.						
895.2	895.8	Fracture sub-parallel to the core.						
897.5	898.0	Fracture at 10° to the core.						
898.5	898.7	Fracture at 20° to the core.						
909.3	912.0	Fracture sub-parallel to the core.						
912.3	912.9	Fracture at 5° to the core.						

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FROM	TO	REMARKS						
914.6	915.1	Fracture at 15° to the core.						
917.0	917.8	Sandstone; fine-grained, moderately hematitized intermixed with shale bands, moderately chloritized.						
917.8	918.4	Shale; sandy, irregular chloritization.						
918.8	919.4	Shale.						
922.0	922.5	Sandstone; fine-grained with clay chips throughout.						
926.9	927.0	Talc filled fracture.						
934.8	935.2	Fracture at 25° to the core.						
935.4		Shale.						
935.4	937.0	Intermixed sandstone and shale. Sandstone; very fine-grained, grey-buff color. Shale; light green, weak chloritization in fractures.						
938.0	938.4	Fracture at 5° to the core.						
942.0	942.5	Sandstone; very fine-grained, moderately hematitized.						
944.3	944.6	Fracture at 35° to the core.						
947.5	948.9	Fracture sub-parallel to the core.						
948.9	964.8	Sandstone; fine-grained, grey to purple, weak to moderate hematitization. Shale and clay filled fractures.						
949.2	952.0	Sandstone; fine-grained, weak to moderate hematitization banding.						
957.0	958.0	Sandstone; fine-grained, moderate to locally strong hematitization in fractures.						
960.4		Clay chips.						
961.4	962.0	Shale and clay intermixed, moderately hematitized, minor chloritization.						
964.8	1038.5	Sandstone; fine to medium-grained, moderate to locally strong hematitization. Mafics throughout.						
972.1		Talc chip.						
972.3	973.0	Shale; weakly hematitized.						
977.2	977.6	Fracture at 20° to the core.						
981.4	982.0	Fracture at 10° to the core.						
983.3	984.3	Fracture at 10° to the core.						

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FROM	TO	REMARKS				
987.0	987.3	Shale; clay-rich.				
991.4	992.0	Fracture at 15° to the core.				
994.1		Shale; clay-rich, spotted hematitization.				
995.7	996.0	Shale; clay-rich.				
996.0	996.1	Quartz-feldspar.				
996.4	996.7	Shale; clay-rich, weakly hematitized.				
997.8	998.3	Fracture at 10° to the core.				
1004.4		Shale in fracture, moderately hematitized.				
1015.1		Bedding at 75° to the core.				
1019.8		Shale chip moderately hematitized.				
1022.5		Shale chip clay-rich.				
1023.0	1024.1	Fracture at 5° to the core.				
1031.3	1032.0	Shale; brown-green, weakly chloritized.				
1032.0	1038.5	Sandstone; fine-grained, purple, moderate to strong hematitization.				
1038.5	1217.0	Sandstone; very fine to fine-grained, weak to moderately hematitized. Mica widespread. Minor shale sections found predominantly in fractures. Weak radioactivity 800 to 900 cpm on TV-1A.				
1038.5	1039.5	Shaly sandstone intermixed with shale.				
1039.9	1040.6	Sandstone; shaly to very fine-grained, weakly hematitized. Shale predominantly found in fractures.				
1040.6	1041.6	Sandstone; fine-grained, moderate to strongly hematitized.				
1043.6	1044.0	Sandstone; very fine-grained, weakly hematitized.				
1044.3	1044.8	Sandstone; very fine-grained, clay chips widespread.				
1044.8	1046.8	Shale moderately hematitized intermixed with clay.				
1048.2	1048.9	Sandstone; very fine-grained, with shale filled fractures.				
1059.6	1057.8	Shale and sandstone intermixed.				
1057.9		Shale chip.				
1057.9	1059.0	Sandstone; shaly, weakly hematitized.				

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FROM	TO	REMARKS				
1060.3	1061.0	Sandy-shale intermixed with shaly-sandstone.				
1061.0	1062.5	Sandstone; shaly, grey, no hematitization.				
1062.5	1063.4	Sandstone; very fine-grained, unhematitized.				
1068.3	1068.7	Fracture at 10° to the core.				
1069.4	1069.5	Fracture at 30° to the core.				
1080.4	1080.5	Shale; mica abundant.				
1082.3	1082.8	Shale and sandy-shale intermixed.				
1086.3	1086.6	Sandstone; shaly.				
1090.5		Clay chip.				
1096.3	1096.5	Pyrite abundant along fracture at 20° to the core. Minor chloritization.				
1100.7		Shale; chloritized in fracture at 90° to the core.				
1102.7		Shale and sphalerite present in fracture at 90° to the core.				
1103.7	1104.0	Fracture at 25° to the core.				
1107.2		Clay chip.				
1108.1		Shale filled fracture at 90° to the core.				
1108.3		Clay chips aligned at 90° to the core.				
1112.0	1112.2	Sandstone; fine-grained, buff, unhematitized.				
1114.2	1114.8	Fracture at 10° to the core.				
1115.0		Clay filled fracture.				
1115.8	1116.4	Fracture sub-parallel to the core.				
1118.7		Clay filled fracture.				
1119.5	1119.7	Sandstone; medium-grained, moderately hematitized.				
1120.6	1134.4	Sandstone; very fine-grained, weak to moderate hematitization.				
1136.1	1136.3	Pyrite in fracture at 15° to the core, moderately hematitized.				
1136.5	1137.7	Interbanded shaly-sandstone and sandy-shale. Chloritization widespread.				
1139.3		Shale; chloritized.				

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FROM	TO	REMARKS					
1140.0		Bedding at 75° to the core.					
1142.3	1143.0	Fracture sub-parallel to the core.					
1143.2		Shale; chloritized, mica-rich.					
1143.2	1144.0	Sandstone; very fine-grained, weakly hematitized. Mica rich in clay-filled fractures.					
1153.3	1153.6	Fracture at 15° to the core.					
1155.9	1156.6	Shale chips.					
1156.9	1157.0	Shale; chloritized.					
1157.0	1157.1	Quartz-feldspar grains.					
1159.9	1160.1	Shale.					
1161.0	1163.0	Sandstone; fine-grained, buff, no hematitization.					
1163.4	1164.5	Sandstone; medium-grained, moderately hematitized.					
1167.0	1167.2	Quartz-feldspar grains.					
1171.0	1173.0	Pyrite abundant in fracture sub-parallel to the core.					
1182.8		Shale; chloritized.					
1184.0	1184.2	Shale and very fine-grained sandstone interbanded.					
1185.1	1185.9	Shale; same as (1184.0-1184.2).					
1185.9	1186.6	Shale.					
1186.4	1187.2	Shale and very fine-grained sandstone interbanded.					
1190.6	1191.3	Sandstone; fine-grained, buff, unhematitized.					
1192.0	1192.2	Fracture at 20° to the core.					
1192.8	1193.0	Fracture at 30° to the core.					
1195.3		Shale; chloritized.					
1195.8	1196.7	Shale; weak chloritization and hematitization.					
1196.7	1197.7	Shale and very fine-grained sandstone interbanded.					
1217.0	1377.0	Sandstone; very fine to fine-grained, dark pink-grey to grey. No to weak to locally moderate hematitization. Minor shale.					
1213.4	1213.6	Fracture at 30° to the core.					

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FROM	TO	REMARKS						
1216.1	1216.8	Fracture at 10° to the core.						
1218.6		Shale.						
1221.6	1222.4	Shale and very fine-grained sandstone, interbanded.						
1226.4	1227.7	Sandstone; fine-grained, moderately hematitized.						
1231.5	1232.0	Shale; sandy.						
1239.3	1239.5	Fracture at 30° to the core.						
1240.1	1240.5	Fracture sub-parallel to the core.						
1252.0	1253.8	Abundant clay chips.						
1252.8	1255.0	Sandstone; very fine-grained, with widespread shale bands at 1 mm thickness aligned at 90° to the core.						
1269.3	1272.3	Shale and very fine-grained sandstone interbanded.						
1277.5	1277.8	Shale.						
1280.8	1281.1	Fracture at 25° to the core.						
1287.9		Bedding at 70° to the core.						
1289.1		Clay chip in fracture at 90° to the core.						
1289.4	1290.1	Sandstone; fine to medium-grained, weak hematitization. Clay chips widespread.						
1291.6	1292.4	Fracture sub-parallel to the core.						
1294.7	1295.6	Sandstone and shale interbanded. Sandstone; very fine-grained, widespread weak hematitization. Abundant mica.						
1303.7	1305.5	Sandstone; fine-grained, buff-pink color.						
1312.9		Shale.						
1324.3	1324.8	Fracture at 15° to the core.						
1326.6	1328.6	Shale; mottled. Weak radioactivity 1400 cpm on TV-1A.						
1330.1		Shale and clay in fractures.						
1331.4		Shale.						
1333.7	1334.0	Sandstone and clay chips intermixed.						
1345.6	1345.9	Fracture at 15° to the core.						

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FROM	TO	REMARKS						
1355.9	1356.1	Shale; clay-rich.						
1361.7	1362.0	Sandstone; fine-grained, purple, moderately hematitized.						
1368.1	1368.4	Shale.						
1369.0	1369.3	Shale.						
1369.6		Shale.						
1377.0	1432.0	Sandstone; very fine to fine-grained, grey-buff to dark grey, no to weak hematitization. Banding of dark then light colored sandstone. No shale, minor clay in fractures. Weak radioactivity just above background.						
1378.8	1379.2	Fracture at 10° to the core.						
1432.0	1494.7	Sandstone; fine-grained, buff to pink-grey. No to weak to locally moderate hematitization. Minor shale. Weak radioactivity 1000 to 1500 cpm on TV-1A.						
1433.4	1433.9	Shale and minor very fine-grained sandstone interbanded.						
1434.4	1435.8	Sandstone; very fine to fine-grained interbanded with shale chips.						
1438.7	1438.9	Minor broken core.						
1452.0		Shale filled fracture at 90° to the core.						
1453.4		Sandstone; medium-grained, buff, unhematitized.						
1455.7		Shale.						
1455.9		Clay chip.						
1460.5	1460.6	Sandstone; same as (1453.7).						
1462.0		Fracture at 65° to the core.						
1470.7	1471.3	Fracture at 5° to the core.						
1472.9		Clay chip.						
1473.5	1473.6	Shale.						
1480.1	1480.4	Fracture sub-parallel to the core.						
1494.5	1494.7	Shale; brown, minor spotted chloritization.						
1494.7	1567.0	Sandstone; fine-grained, buff to pink-grey to dark grey. No to weak hematitization, weak radioactivity 800 to 900 cpm on TV-1A.						
1506.8	1508.6	Sandstone; fine-grained, buff, unhematitized.						

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FROM	TO	REMARKS				
1508.7	1508.8	Sandstone; very fine-grained, clay-rich.				
1519.7		Shale; clay-rich, mica throughout.				
1528.8	1532.0	Sandstone; fine-grained, buff, unhematitized.				
1533.8		Shale; light-brown in color.				
1550.8	1551.2	Fracture at 10° to the core.				
1551.4	1552.0	Sandstone; very fine-grained and minor shale interbanded.				
1561.0	1561.2	Sandstone; medium-grained, pink, weakly hematitized.				
1567.0	1592.3	Sandstone; fine to medium-grained, buff to dark grey. No to weak to locally moderate hematitization.				
1568.4	1569.5	Sandstone; fine to medium-grained, purple, moderate to strong hematitization.				
1570.6	1570.8	Sandstone; coarse-grained, no to weak hematitization.				
1572.3	1572.5	Shale.				
1573.5	1573.6	Sandstone; coarse-grained, moderately hematitized.				
1575.3	1575.5	Shale.				
1578.9	1579.2	Clay chip.				
1582.3	1582.6	Sandstone; fine-grained, feldspar/rich, no to weak hematitization.				
1594.5	1597.4	Sandstone; fine-grained, buff, no hematitization.				
1595.6		Bedding at 90° to the core.				
1592.3	1637.0	Sandstone; fine to medium-grained, buff to dark grey. No to weak to spotted hematitization. Minor shale.				
1602.0	1603.1	Clay-rich shale interbanded with sandy shale.				
1662.1		Shale; brown color.				
1602.1	1602.3	Shale; same as (1602.0-1603.1).				
1606.0	1606.1	Shale; light brown in color.				
1618.5	1618.6	Shale.				
1623.6		Irregular shaped shale band.				
1623.9	1624.0	Sandstone; fine-grained, purple, moderately hematitized.				

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FROM	TO	REMARKS						
1624.4	1624.6	Shale; clay-rich.						
1624.9	1625.1	Sandstone; similar to (1623.9-1624.0) but is fine to medium-grained.						
1627.4	1627.7	Shale.						
1637.0	1687.0	Sandstone; fine to medium with minor coarse-grained material throughout. Buff to pink to dark grey, no to weak to locally moderate hematitization. Fractures at 90° to the core.						
1640.2	1643.0	Interbanded weak and moderately hematitized sandstone.						
1644.0		Shale.						
1661.8	1662.4	Shale with minor very fine-grained sandstone intermixed.						
1665.4		Shale and clay.						
1665.5	1665.6	Sandstone; fine-grained, moderately hematitized.						
1672.0	1672.2	Shale.						
1675.9	1676.1	Sandstone; very fine-grained, grey in color.						
1687.0	1769.8	Sandstone; medium-grained with minor coarse-grained sections, light buff-grey to dark grey. No to weak to locally moderate hematitization. Material appears slightly vuggy.						
1694.5	1694.6	Shale; green-red in color.						
1694.6	1694.7	Shale; sandy, light red-brown color.						
1695.2	1695.3	Shale; same as (1694.6-1694.7).						
1698.9	1699.0	Shale; red-brown in color.						
1699.0	1699.8	Shale; sandy, brown, minor spotty chloritization.						
1699.8	1699.9	Shale; same as (1698.9-1699.0).						
1704.0	1704.1	Shale; layers of red to red-brown and grey.						
1706.8		Shale.						
1748.1	1748.3	Shale; red-brown in color.						
1748.6		Irregular shale chip.						
1752.0		Shale; light brown in color.						
1757.8	1757.9	Shale; light brown in color.						
1759.9	1760.0	Shale.						

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FROM	TO	REMARKS					
1769.8	2467.0	Sandstone; medium to coarse-grained, grey-purple and purple, weak hematitization. Sections of fine to medium-grained, unhematitized sandstone. Random pebbles of quartz-quartz-feldspar, individually or in groups. Dominantly sub-rounded to sub-angular. Section has a vuggy and porous appearance.					
1772.5	1773.5	Sandstone; fine-grained, buff, unhematitized.					
1776.1		Quartz pebble.					
1778.4	1779.1	Transition zone between buff and grey sandstone. Contact is moderately hematitized.					
1781.9	1782.1	Quartz and quartz-feldspar pebbles.					
1783.7	1784.7	Sandstone; fine-grained, unhematitized.					
1787.0		Quartz pebble.					
1787.2		Quartz pebble.					
1787.9		Quartz-feldspar pebble.					
1797.5	1798.0	Pebbles of quartz, quartz-feldspar and banded iron.					
1809.4		Quartz pebble.					
1812.6		Quartz pebble.					
1819.0		Quartz pebble.					
1819.0	1821.0	Sandstone; fine to medium-grained, unhematitized.					
1824.6	1826.8	Sandstone; coarse-grained, moderately to strongly hematitized.					
1826.6		Gneiss pebble.					
1827.8		Banded iron formation pebble.					
1828.0		Quartz pebble.					
1844.0	1844.8	Sandstone; fine to medium-grained, feldspar-rich, unhematitized.					
1849.7	1850.1	Sandstone; same as (1844.0-1844.8).					
1853.2		Quartz pebble.					
1854.8		Quartz pebble.					
1859.2	1859.7	Sandstone; same as (1844.0-1844.8).					
1862.6	1863.4	Sandstone; same as (1844.0-1844.8).					
1869.8	1870.0	Sandstone; same as (1844.0-1844.8).					

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FROM	TO	REMARKS				
1871.5		Quartz pebble.				
1873.2	1873.6	Sandstone; same as (1844.0-1844.8).				
1876.2	1877.4	Sandstone; fine to medium-grained, unhematitized.				
1878.7	1879.4	Sandstone; same as (1876.2-1877.4).				
1881.3	1882.3	Sandstone; same as (1876.2-1877.4).				
1886.6	1888.1	Sandstone; same as (1876.2-1877.4).				
1895.2		Quartz pebble.				
1907.0	1909.0	Sandstone; same as (1876.2-1877.4).				
1911.2		Quartz-feldspar pebble.				
1922.0	1972.0	Fine-grained, buff, unhematitized, feldspar-rich sandstone interbanded with medium to coarse-grained, weakly hematitized sandstone. Mafics throughout section.				
1961.6	1962.1	Fracture sub-parallel to the core.				
1962.5		Sandstone; medium-grained, strongly hematitized, weakly cemented.				
1999.1	1999.5	Sandstone; fine-grained, unhematitized, feldspar-rich.				
2000.5	2001.1	Sandstone; same as (1999.1-1999.5).				
2004.3	2004.7	Sandstone; same as (1999.1-1999.5).				
2006.0	2006.7	Sandstone; same as (1999.1-1999.5).				
2007.5	2007.6	Sandstone; same as (1999.1-1999.5).				
2010.5	2012.0	Sandstone; medium to coarse-grained, moderately hematitized, weak spotted leaching.				
2012.0	2012.5	Sandstone; same as (1999.1-1999.5).				
2014.9	2016.2	Sandstone; similar to (2010.5-2012.0) only weakly hematitized.				
2016.2	2016.6	Sandstone; same as (1999.1-1999.5).				
2021.1	2022.2	Sandstone; same as (1999.1-1999.5).				
2026.3		Pebbles of quartz, quartz-feldspar and banded iron formation.				
2040.7	2041.2	Sandstone; fine-grained, feldspar-rich, unhematitized.				
2047.5	2048.0	Sandstone; same as (2040.7-2041.2).				
2050.7	2050.9	Sandstone; same as (2040.7-2041.2).				

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FROM	TO	REMARKS					
2086.5	2087.7	Sandstone; fine-grained, grey, feldspar-rich, unhematitized.					
2088.4	2088.6	Sandstone; fine-grained, dark pink, feldspar dominant 70%, unhematitized.					
2092.5		Band of gneissic material, black in color.					
2093.0	2106.3	Sandstone; similar to (1769.8), but not as vuggy in appearance.					
2099.6	2099.7	Sandstone; fine-grained, pink, unhematitized.					
2102.7	2103.4	Sandstone; fine-grained, buff, unhematitized.					
2111.0	2111.3	Sandstone; same as (2102.7-2103.4).					
2111.5	2112.2	Sandstone; leached.					
2116.5	2116.6	Sandstone; fine-grained, unhematitized.					
2124.3	2124.4	Sandstone; same as (2116.5-2116.6).					
2127.4	2128.3	Sandstone; fine-grained, pink-buff, feldspar-rich, unhematitized.					
2128.6	2129.0	Sandstone; same as (2127.4-2128.3).					
2129.0	2130.0	Sandstone; medium-grained, dark pink, weakly hematitized, spotted leaching.					
2131.1	2132.1	Sandstone; medium-grained, buff, unhematitized. Quartz grains dominant. Silica cement.					
2134.2	2134.3	Sandstone; same as (2127.4-2128.7).					
2135.3	2135.9	Sandstone; same as (2127.4-2128.7).					
2137.2		Irregular band of unhematitized, medium-grained sandstone.					
2138.2	2138.5	Sandstone; fine-grained, grey, very weakly hematitized.					
2143.8	2144.1	Sandstone; same as (2131.1-2132.1).					
2154.8	2155.0	Sandstone; same as (2131.1-2132.1).					
2159.8	2160.3	Sandstone; fine to medium-grained, buff, unhematitized. Cement is dominantly silica.					
2160.5	2160.8	Sandstone; fine-grained, unhematitized.					
2160.8	2067.0	Sandstone; similar to (2147.0-2152.0), more fine-grained material.					
2164.1		Strongly hematitized fracture at 85° to the core.					
2167.0		Strongly hematitized fracture at 70° to the core.					
2167.0	2167.6	Sandstone; same as (2160.5-2160.8).					

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FROM	TO	REMARKS						
2168.2		Strongly hematitized fracture at 65° to the core.						
2168.2	2170.4	Sandstone; same as (2160.8-2167.0).						
2170.4	2170.6	Sandstone; fine-grained, unhematitized.						
2171.0	2171.2	Sandstone; coarse-grained, pink, weakly hematitized.						
2172.4	2177.0	Sandstone; same as (2147.0-2152.0).						
2177.3	2177.6	Sandstone; medium to coarse-grained, pink-buff, unhematitized.						
2177.7	2178.1	Sandstone; fine to medium-grained, buff, feldspar-rich, unhematitized.						
2178.1	2178.2	Sandstone; fine to medium-grained, pink-buff, silica cement dominant. Unhematitized.						
2178.2	2186.4	Sandstone; medium-grained, grey to dark purple, weakly hematitized, slightly vuggy in appearance.						
2185.5	2186.0	Sandstone; fine to medium-grained, pink, unhematitized.						
2186.4	2189.0	Sandstone; same as (2185.5-2186.0).						
2190.4		Cobble of quartzite.						
2191.0	2202.0	Sandstone; same as (2178.7-2186.4).						
2197.1	2197.3	Sandstone; fine to medium-grained, buff, unhematitized.						
2200.7	2201.4	Sandstone; same as (2197.1-2197.3).						
2207.9	2208.1	Sandstone; same as (2197.1-2197.3).						
2219.0	2219.3	Sandstone; same as (2197.1-2197.3).						
2219.5		Strongly hematitized fracture at 10° to the core.						
2221.9	2222.4	Sandstone; same as (2197.1-2197.3).						
2223.0	2223.2	Sandstone; similar to (2197.1-2197.3) but darker pink in color.						
2224.6	2224.7	Sandstone; medium to coarse-grained, pink, weakly hematitized.						
2225.1	2225.4	Sandstone; fine to medium-grained, buff, unhematitized.						
2226.6		Elongated pebble of banded iron formation.						
2230.6	2230.9	Sandstone; same as (2225.1-2225.4).						
2233.0	2234.4	Sandstone; coarse-grained, purple, weak to moderate hematitization.						
2234.6		Elongated pebble of gneiss.						

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FROM	TO	REMARKS						
2238.0	2238.6	Sandstone; same as (2225.1-2225.4).						
2244.5	2247.0	Fine-grained, moderately hematitized sandstone interbanded with fine-grained unhematitized sandstone.						
2251.0		Cobble of quartz.						
2251.2		Banded iron formation pebble.						
2256.4	2257.7	Sandstone; fine-grained, unhematitized.						
2258.4	2258.9	Sandstone; fine-grained, pink, weakly hematitized.						
2260.3	2260.5	Sandstone; same as (2256.4-2257.7).						
2266.0	2266.2	Sandstone; same as (2258.7-2258.9).						
2270.0	2270.5	Sandstone; fine to medium-grained, grey, unhematitized.						
2279.6	2340.8	Sandstone; medium-grained with interbanding of grey and buff sections. Strongly hematitized fractures, not as vuggy in appearance as previous sections. Pebbles not as abundant.						
2332.6	2336.3	Abundant pebbles of dominantly quartz, quartzite and quartz-feldspar.						
2349.6	2350.3	Sandstone; fine to medium-grained, unhematitized.						
2352.0	2352.4	Sandstone; fine-grained, buff, unhematitized.						
2355.7	2356.1	Sandstone; same as (2352.0-2352.4).						
2371.5	2372.4	Sandstone; fine-grained, grey in color.						
2372.4		Strongly hematitized fracture.						
2372.4	2373.0	Sandstone; same as (2352.0-2352.4).						
2375.3	2378.3	Sandstone; fine to medium-grained, grey and pink mottled.						
2384.1	2385.2	Sandstone; same as (2352.0-2352.4).						
2385.5	2385.9	Sandstone; same as (2352.0-2352.4).						
2399.0	2401.6	Sandstone; mottled, pink and dark pink.						
2403.8	2404.3	Sandstone; fine-grained, buff, unhematitized.						
2407.4	2408.0	Sandstone; fine-grained, buff, with bands of strong hematitization at 90° to the core.						
2410.1	2410.7	Sandstone; fine to medium-grained, feldspar dominant. Unhematitized.						
2413.3	2413.5	Minor broken core.						

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FROM	TO	REMARKS					
2415.0	2515.6	Sandstone; fine to medium-grained, pink, feldspar dominant, unhematitized.					
2418.2	2418.8	Sandstone; fine to medium-grained, buff, unhematitized.					
2421.4	2422.9	Sandstone; fine to medium-grained, interbanding of buff and pink-grey colors.					
2423.9	2424.0	Sandstone; same as (2418.2-2418.8).					
2424.0	2425.1	Sandstone; medium-grained, light purple, moderately hematitized.					
2425.1	2425.6	Sandstone; same as (2418.2-2418.8).					
2430.3	2430.7	Sandstone; same as (2418.2-2418.8).					
2432.6	2434.9	Sandstone; fine to medium-grained, pink-buff, very weakly hematitized.					
2439.9	2436.6	Sandstone; medium-grained, dark pink, weakly hematitized.					
2437.0	2437.5	Sandstone; fine to medium-grained, unhematitized.					
2438.4	2439.3	Sandstone; same as (2432.6-2434.9).					
2441.3	2442.5	Sandstone; fine to medium-grained, buff to pink, unhematitized.					
2445.8		Gneiss pebble.					
2449.0	2452.0	Sandstone; fine to medium-grained, buff and pink-grey mottled.					
2453.6	2453.8	Sandstone; fine to medium-grained, buff, unhematitized.					
2453.8	2456.0	Sandstone; fine to medium-grained, grey and dark purple-grey, mottled.					
2467.0	2629.0	Sandstone; medium to coarse-grained, grey-pink to purple. Weak to moderate hematitization with sections of fine to medium-grained, unhematitized sandstone. Slightly vuggy in appearance throughout. Random pebbles of quartz and quartz-feldspar, either separate or in a group. Dominantly sub-rounded to sub-angular. Fractures are dominantly at 90° to the core. Cement is comprised of silica and hematite.					
2468.0	2470.1	Sandstone; medium-grained, purple and pink, mottled.					
2470.0	2470.7	Sandstone; fine-grained, unhematitized.					
2471.4	2473.4	Sandstone; same as (2468.0-2470.1).					
2473.4	2474.5	Sandstone; fine to medium-grained, light pink, feldspar dominant, unhematitized.					
2477.1	2477.7	Sandstone; same as (2470.0-2470.7).					
2482.8	2485.3	Sandstone; fine-grained, buff to light pink, feldspar dominant, unhematitized.					
2489.0	2490.2	Sandstone; grading from fine to medium-grained to very fine-grained back to fine to medium-grained. Light pink to buff. Feldspar dominant comprises 80% of matrix.					

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FROM	TO	REMARKS						
2493.6	2494.1	Sandstone; fine-grained, buff, unhematitized.						
2496.2	2496.4	Sandstone; same as (2493.6-2494.1).						
2496.4	2497.3	Sandstone; grading from fine to medium-grained. Light pink to dark pink, no to weak hematitization.						
2498.6	2499.3	Sandstone; fine to medium-grained, pink, unhematitized.						
2500.2	2500.8	Sandstone; same as (2498.6-2499.3).						
2502.7	2504.1	Sandstone; grading from a fine to medium-grained buff, unhematitized.						
2505.0	2505.7	Sandstone; same as (2498.6-2499.3).						
2509.0	2533.0	Sandstone; fine to medium-grained, light pink to light purple, sections are slightly mottled.						
2535.5	2537.2	Sandstone; fine to medium-grained, light pink, unhematitized.						
2539.4	2540.4	Sandstone; same as (2535.5-2537.2).						
2541.3	2542.0	Sandstone; same as (2535.5-2537.2).						
2546.6	2547.7	Sandstone; same as (2535.5-2537.2).						
2547.7	2553.1	Sandstone; fine to medium-grained, pink to dark pink, weakly hematitized.						
2561.6	2562.3	Sandstone; fine-grained, buff, unhematitized.						
2563.5		Black chert pebble 1" diameter.						
2564.0	2565.4	Sandstone; fine to medium-grained, pink, unhematitized.						
2569.1		Cobble of quartz.						
2571.6	2572.2	Sandstone; fine-grained, buff, unhematitized.						
2577.2	2578.3	Sandstone; fine-grained, pink-buff, unhematitized.						
2581.1	2582.4	Sandstone; fine-grained, pink-buff, unhematitized.						
2589.3	2590.2	Sandstone; same as (2577.2-2578.3).						
2597.7	2601.2	Sandstone; fine to medium-grained, pink-buff, unhematitized.						
2605.4	2606.2	Sandstone; medium-grained, pink-buff, unhematitized.						
2610.6	2614.1	Sandstone; fine to medium-grained, buff, unhematitized.						
2618.3	2618.8	Sandstone; same as (2610.6-2614.1).						

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FROM	TO	REMARKS						
2629.0	2759.0	Sandstone; medium to coarse-grained, light pink to grey, weakly hematitized with sections of fine to medium-grained, buff-pink to light pink, no to very weakly hematitized. Appears very porous and slightly vuggy. Pebbles are at random, dominantly quartz. Fractures are at 90° to the core.						
2630.9		Meta-Arkose.						
2645.4		Meta-Arkose. Strongly hematitized.						
2646.1	2647.1	Interbanding of shaly sandstone and fine-grained sandstone, all unhematitized.						
2671.9	2673.3	Sandstone; medium-grained, dark grey, weak to moderately hematitized. Cement dominantly hematite.						
2685.5	2687.0	Sandstone; fine-grained, buff, unhematitized.						
2759.0	2867.0	Sandstone; fine to medium-grained, pink-grey to light purple, no to moderately hematitized. Fine-grained, light grey, unhematitized sandstone spread throughout. Random pebbles and cobbles more abundant than previous section.						
2760.2	2761.8	Abundant pebbles and cobbles of quartz, quartz-feldspar, gneiss and banded iron.						
2763.4	2767.9	Pebbles and cobbles of quartz, quartz-feldspar, shale chips and meta-arkose.						
2773.6	2773.8	Conglomerate of quartz, quartz-feldspar. Meta-Arkose.						
2784.5	2785.3	Cobbles and pebbles of quartz, quartz-feldspar.						
2789.7		Shale filled fracture.						
2814.0		Pebbles of chert.						
2867.0	2894.4	Sandstone; medium-grained, grey-pink, weakly hematitized. Abundant pebbles and cobbles throughout. Dominantly quartz, with abundant banded iron, quartz-feldspar, minor gneiss and regolith pebbles.						
2894.4	2937.0	Sandstone; fine to medium-grained, grey-pink, weakly hematitized. Pebbles and cobbles dominantly quartz, with banded iron-gneiss.						
2940.6	2957.8	REGOLITH COLOR: Red-brown to brown with green. HARDNESS: 3.0-6.0. DESCRIPTION: This unit consists of highly altered material. It is medium to coarse-grained, moderate to strongly hematitized, with minor chloritization becoming stronger with depth. Feldspar is the dominant grain with quartz and minor mafics. Fractures are at 90° to the core and are strongly hematitized.						

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MINERAL DEPARTMENT

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FROM	TO	REMARKS						
		<p>COMPOSITION: Feldspar 60% Quartz 5% Mafics Trace Chlorite 5% Hematite 25% Sandstone 5%</p> <p>ALTERATIONS: Unit is strongly altered, dominated by moderate to strong hematitization. Minor chloritization increasing with depth.</p> <p>RADIOACTIVITY: Weak throughout, about 1000 to 1800 cpm on TV-1A.</p> <p>CORE: No broken or ground core. Fractures are dominantly at 90° to the core.</p>						
2945.3	2945.0	Disintegration of feldspar, yellow-green.						
2952.0	2952.6	Disintegration of feldspar. Introduction of more chloritization.						
2952.0	2957.8	Transition zone, chloritization becoming dominant alteration factor over hematitization, which is still present.						
2957.8	³ 2027.0	<p>MIGMATITE</p> <p>COLOR: Light green and pink to light green-grey with darker bands of green throughout.</p> <p>HARDNESS: 3.5-6.0.</p> <p>DESCRIPTION: This unit is basically a granitic rock consisting of feldspar and quartz. The sections are fine to coarse-grained with large feldspars being dominant in the upper section. Sections of the feldspar-rich rock have been heavily altered by chloritization. Chloritization is found throughout the unit with darker bands being found in the lower sections. The core as a whole, is extensively fractured at all angles from 0° to 90° but with most fractures being healed by chloritization.</p> <p>Minor sulphide mineralization is visible.</p> <p>COMPOSITION: Feldspar 65% Quartz 20% Chlorite 15% Sulphides Trace</p> <p>ALTERATION: This unit has been highly sheared and chloritized. Chloritization is widespread as well as appearing in dark bands along fractures.</p> <p>RADIOACTIVITY: Weak throughout, 1000 to 1800 cpm on TV-1A.</p> <p>CORE: No broken or ground core. Fractures are dominantly either 0° or 90° to the core.</p>						

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FROM	TO	REMARKS						
2961.4	2962.0	Feldspar altered by chloritization.						
2972.5	2972.6	Feldspar dominant.						
2973.4	2974.1	Fracture sub-parallel to the core.						
2982.0	3027.0	Gneissic sections more prominent than in upper section of granitic material						
3007.9	3008.1	Fracture at 25° to the core.						
3008.7	3009.0	Fracture at 25° to the core.						
3020.5	3020.7	Sulphide mineralization in fracture.						