

ASSESSMENT REPORT

**1996
DIAMOND DRILLING PROGRAM**

on the

RED MOUNTAIN PROJECT

SKEENA MINING DIVISION

NTS: 103P/13W-13E, 104A/4W-4E

**LOCATED
18 KM EAST OF STEWART
BRITISH COLUMBIA**

**Latitude: 55° 58' North
Longitude: 129° 42' West**

**Owner:
ROYAL OAK MINES INC**

**Operator:
ROYAL OAK MINES INC**

Report by

A. W. RANDALL, P. ENG

**DATE: April 1997 GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

Volume I

1 OF 2

24,947

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SUMMARY

Exploration has been carried out in the Red Mountain area since the early 1900's. This work has been documented in various reports by the BC Department of Mines, and in assessment reports over the years. During the period 1989 to 1994 Bond Gold and then Lac Minerals Limited carried out extensive exploration on Red Mountain following the discovery of interesting gold values within the massive gossan on the mountain. No work was carried out in 1995 during the transition from Lac Minerals to American Barrick Resources Corporation and the subsequent acquisition of the property by Royal Oak Mines Inc. in late 1995.

A sectional geological resource of 3.65 million tonnes grading 8.2 g/t Au and 21.8 g/t Ag was calculated for the Marc-AV-JW, Tail and 141 zones by Lac Minerals in February 1995.

In 1996 Royal Oak undertook a major \$8.0 million exploration program with the purpose of expanding existing reserves to a target of about 1.4 million ounces gold. The program involved extensive surface and underground drilling totaling 26,966 meters, extension of underground workings, and included some development work studies for underground access and tailings area assessment as well as ongoing environmental studies.

Results of this program although positive from an exploration sense did not achieve the reserve expansion goals that were set. The Marc-AV-JW mineralized zone which was expected to extend northward but in fact was actually found to trend toward the northeast and was down dropped significantly across a series of faults. Some of the last holes drilled in the program intersected mineralization that may develop into deposits of a size similar to the Marc-AV-JW zones.

This assessment report covers diamond drilling work on the Kim 14, Bon Fr., Bon Accord 2, and Bon Accord 6 claims in the Hartley Gulch area and work on the ORO IV, ORO Fr, and Lisa 2 claims in the Red Mountain area. Most of the work was concentrated on the ORO IV claim which covers the main Red Mountain mineral deposit.

LOCATION & ACCESS

The Red Mountain project claims are located in the Skeena Mining District NTS 103P/104A about 18km by air east of the community of Stewart and near the Southern end of the so called Golden Triangle gold district of Northwest B.C. The Project claims range in elevation from 450meters ASL in the Bitter Creek Valley to 2100 meters at the tops of the various mountain peaks throughout the claims. The property is situated in steep rugged topography and is surrounded on three sides by glaciers, most notably the huge Cambria Icefield.

The project is entirely helicopter supported from the base of Vancouver Island Helicopters in Stewart. An all weather, all season 60 man camp is located in the Goldslide Creek cirque at an elevation of 1462 meters. Road access up Bitter Creek valley from highway 37A has been partially developed for 13 km to the Hartley Gulch-Otter Creek area. This road is not passable due to land-slide activity and environmental restrictions pending remediation of unstable areas.

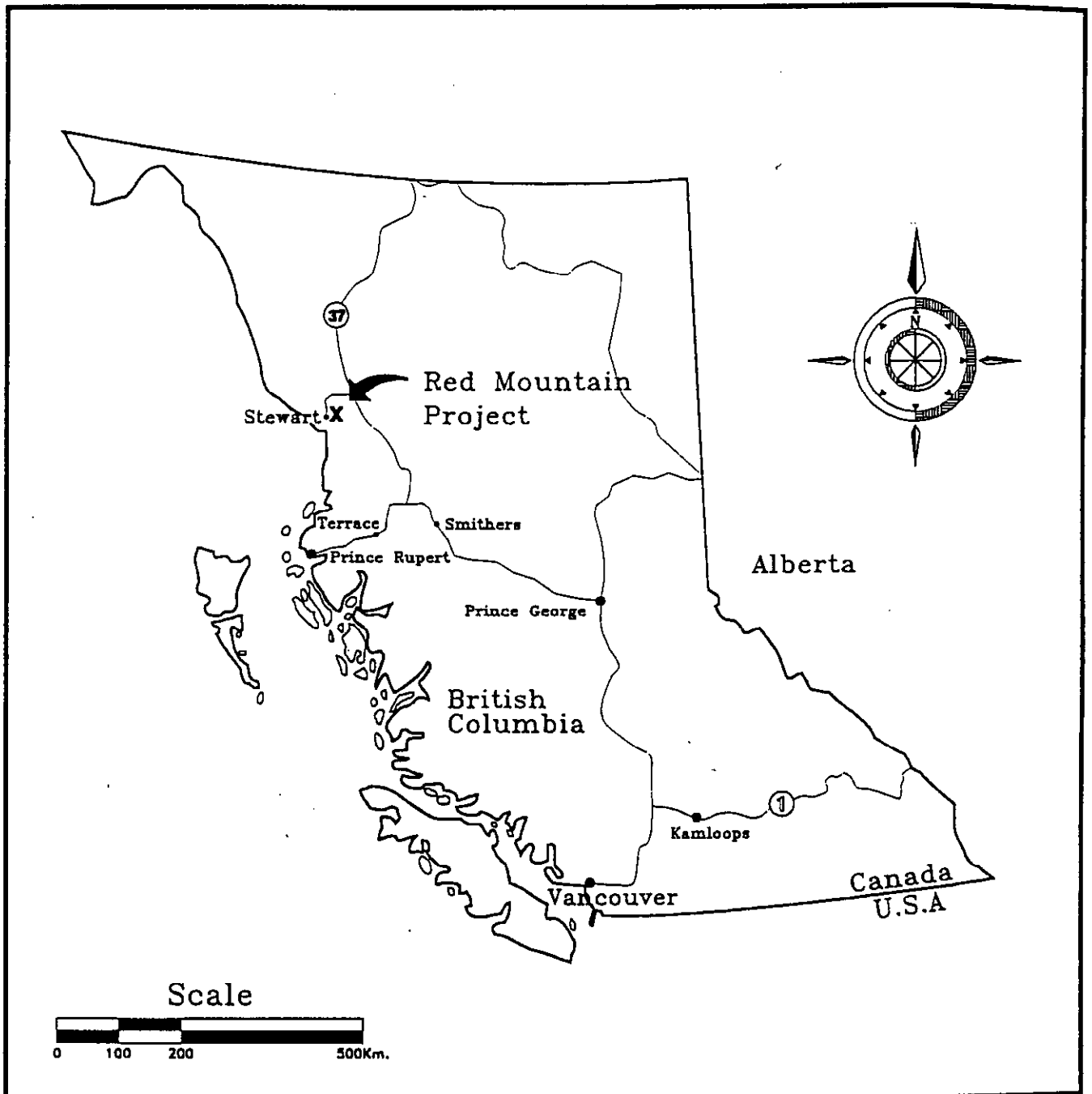


Fig. 1

RED MOUNTAIN PROJECT LOCATION MAP

PROPERTY STATUS

The Red Mountain Project includes 160 mineral claims totaling 1479 units. Royal Oak has a 100% interest in all claims on the property. Twenty-two claim groups are included in this report (See Appendix IV for details).

EXPENDITURES

Total estimated expenditures on the Red Mountain Project from 1989 to and including 1996 are Cdn \$44.4 million. Expenditures in 1996 totaled \$8.0 million to the end of December 1996. Expenditures applicable for assessment work purposes amount to \$6.35 million (see Appendix I).

EXPLORATION HISTORY

Exploration in the vicinity of Red Mountain dates back to the early 1900's with discovery of placer gold in Bitter Creek. Over the years 1900 to 1970 work was done on various properties on Roosevelt Creek and Hartley Gulch, north-west of Red Mountain in search of gold. In the 1960's and 1970's copper-molybdenum exploration was carried out in the area around the McAdam stock, south-west of Red Mountain. It was not until the 1980's however that glacier ice had receded enough to expose some of the prospective areas on Red Mountain itself.

Exploration on Red Mountain was initiated by Bond Gold in 1989 after discovery of gold mineralization in what was later designated the Marc zone. This work was carried on by Lac Minerals from 1990 to 1994 after taking over Bond Gold. By the end of 1994 a total of 100,285 meters of drilling was completed in 406 drill holes, drilled both from surface and underground. Over 1300 meters of underground drifting was done for diamond drilling and bulk sampling purposes.

In September 1994 Lac Minerals was taken over by American Barrick however Barrick elected not to continue exploration work. The property was acquired in late 1995 by Royal Oak Mines Inc. During 1996 RYO drilled an additional 61 holes totalling 26,966 meters. Total drilling on the property now amounts to 127,251 meters in 467 drill holes. Underground workings were extended by 304 meters for a total length of some 1600 meters.

REGIONAL GEOLOGY (Greig et al., 1994)

Red Mountain is located in a belt of Upper Triassic to Middle Jurassic sedimentary, volcanic and plutonic rocks of the Stikinia Terrane. It is near the boundary of the Intermontane and Coast belts along the southwestern margin of the Bowser Basin.

Lower Jurassic to Middle Jurassic marine clastics and Paleozoic to Lower Jurassic oceanic arc volcanic and volcanoclastic rocks of the Hazelton Group crop out in the Red Mountain area. Jurassic and Tertiary aged intrusive rocks have been mapped in the region. The early to middle Jurassic plutons are roughly coeval and cospatial with the Hazelton Group. The Goldslide Intrusive unit appears to be closely associated with gold mineralization at Red Mountain.

Red Mountain occurs within the disrupted core of a northwest trending and plunging Bitter Creek antiform (Sieb 1995) which has been complexly faulted including

an interpreted thrust fault following Bitter Creek which has juxtaposed Upper Triassic rocks against the Lower Jurassic rocks which underlie the Red Mountain property.

RED MOUNTAIN GEOLOGY

Rock Types

The Red Mountain gold deposits are situated in Middle to Upper Triassic and Early Jurassic sedimentary and minor volcanic strata. This volcano-sedimentary package is intruded by early Jurassic plutons, sills and dykes.

The bedded rocks are mostly mudstones, wackes, and ash tuffs (designated variably VT, MT, FT) with local areas of conglomerate. They are somewhat carbonaceous which gives them their typical black color. Bedding thickness is generally only a few centimeters while stratigraphic packages, where they can be identified, vary from less than a meter to hundreds of meters in thickness. Attitudes of these sedimentary units suggests a northwest strike with variable dips due to folding. Breccias are common within the intrusives and volcano-sediment units.

The intrusives underlying Red Mountain have been segregated into two phases, Goldslide (FHx) and Hillside (FHBp). They both have dioritic compositions. The core phase of these intrusive units has been designated FHp and is the normal footwall or stop rock for diamond drill holes. Goldslide rocks have been noted cross-cutting Hillside porphyry suggesting that Hillside is the older phase (Sieb 1995).

There is some suggestion that portions of these intrusives may be of sub-volcanic origin. These lithologies may be a continuum of genetically related sediments of pyroclastic origin (Mahgoub 1997).

Contact relationships between intrusives and sediments are highly variable ranging from very sharp to invisible. In places alteration has changed or destroyed rock compositions so that original textures of sedimentary, volcanic and intrusive character are indistinguishable from one another. Intrusive-volcano-sediment contacts may also be brecciated.

The following tables (1 and 2) outline geological codes used and give a summary description of some of the major units. It should be noted that descriptions used here are based on the geological bias of a genetic relationship, alluded to above, of all units.

Alteration

Alteration is strong and widespread throughout the property. All pre-Tertiary rocks have been hydrothermally altered. The sediments and intrusives display similar alteration assemblages. Alteration minerals observed include Quartz, K-feldspar, tourmaline, sericite, chlorite, and pyrite. The name Red Mountain was coined because of the extensive rusty oxidation anomaly covering 12 to 15 square kilometers which attracted explorers to the area. Detailed alteration mineral assemblages have been developed by Rhys et al (1995), Thompson (1994) and Swanson (1994) for the regional setting and mineralized zones.

Structure

The rocks of the Red Mountain area are structurally contorted by the regional fold system noted earlier as well as significant local cross-faulting perpendicular to the trend of the Marc-AV-JW ore zones which has apparently segmented these main ore lenses.

The northerly extension of the ore zones, in the area explored during the 1996 program, was found to be extensively disrupted by a series of closely spaced steep northerly dipping faults which have down-dropped the ore zones with an apparent north-easterly shift. North to northwest striking, south-westerly and north-easterly dipping faults, most notably the 050 fault, also cross-cut the area.

Ore/Mineralized Zone Alteration

Sericite-pyrite-carbonate-quartz alteration is intimately associated with the gold enriched mineralized zones. In particular the ore zones are typically bleached due to extensive sericite development. Even where mineralized zones are situated in black sediments they are often bleached to grey or white. Sericite alteration replaces most primary rock compositions and generally overprints previous alteration assemblages (Prefontaine 1995). K-feldspar alteration is also widespread, and particularly well developed in the footwall and hanging wall of the ore zones (Prefontaine 1994).

Pyrite is well developed in and around ore zones however extensive pyrite alteration may also be developed in areas of low- or sub- ore-grade mineralization. Wide spread pyrite and pyrrhotite mineralization is responsible for the massive gossan for which Red Mountain is noted.

MINERALIZATION

As noted earlier Red Mountain is characterized by an extensive gossan associated with widespread pyrite and pyrrhotite mineralization. Precious metal mineralization (gold-silver-telluride) occur within the intrusive, sedimentary and volcanic rocks underlying Red Mountain with no obvious geometric or symmetric relation to the large gossan. Gold mineralization is typically associated with sulphide-carbonate-quartz stockworks within areas of wider spread quartz-sericite-pyrite alteration. In the 1996 drilling it was noted that the best gold values occurred where the coarsest (chunky) pyrite was found.

Precious metal mineralization is distributed across all rock types in a highly irregular pipelike to tabular plume forming two relatively distinct trends which occasionally intersect along the strike of the system. The most prominent of these trends is the Marc-AV-JW zone which consists of two and possibly three individual bodies separated by post ore cross faults or are situated enechelon within the structural panel hosting the deposits. Lac Minerals staff suggested a fault offset (Rick Fault) of the Marc and AV segments of the deposits however an examination of mineralization distribution suggests that the mineralized zone may actually cross this fault. The pattern evident suggests an enechelon distribution. The 141 zone or West Zone as it is now designated forms a similar although lower grade and less well-defined mineralized trend.

Ore minerals include native gold, electrum, gold-silver tellurides, and silver bearing sulphosalts. Other minerals associated with the precious metals include pyrite, pyrrhotite, sphalerite, chalcopyrite, and minor galena. It is estimated that 95% of the precious metal minerals occur as inclusions in and along internal cracks of pyrite (Prefontaine, 1995).

HARTLEY GULCH AREA

The geology of the Hartley Gulch South area is similar to Red Mountain with fine grained sediments (FT and VT) intercalated (intruded) by dykes and sills of intrusive FHx. Prospecting of the area by Lac geologists in 1992 -1994 indicated alteration and mineralization similar to what was found at Red Mountain. A couple of small showings were trenched by Lac and found to contain pyrite stringers with gold values up to 298 ppm Au. The gold was associated with up to 20% pyrite mineralization and minor sphalerite which occurs near a brecciated sediment/intrusive contact (Daubeny, 1994). Prospecting in early 1996 located some additional sulphide mineralization to the northwest of the Lac trenches but with low gold values.

Work at Red Mountain by Lac geologists indicated gold mineralization often occurs below a transition from pyrrhotite-dominated to pyrite-dominated alteration. Interpretation of sulphide distribution at Hartley Gulch suggests this same transition is present and indicated a vector toward the Hartley valley floor down slope of the trenches and mineralization found (Daubeny, 1996).

1996 DIAMOND DRILLING

The purpose of the 1996 drill program was to expand ore reserves at the Red Mountain mineral deposit and explore other favourable targets on the property. A total of 26,966 meters of core was drilled in 61 holes (Appendix II). Drilling was done both from surface and underground. Collar locations were picked up by survey and tied in to the Red Mountain grid. Underground preparation work included opening and dewatering of existing workings and driving of 103 meters of additional drift.

Logistics

Drilling was carried out by Britton Brothers Diamond Drilling of Smithers B.C. from May 26 to October 18, 1996 using a up to 5 diamond drills. Surface drilling was carried out from a series of drill platforms built into the mountain sides. Drills, supplies and personal were transported to these sites by helicopter. Underground drilling was done using electric-hydraulic and diesel-hydraulic drills from cutouts in the underground drift.

Water was supplied from the underground workings for much of the program and occasionally from surface sources when convenient. Water supplies required several staged pump stations and long water lines due to the elevation differences and distance from source to drillsites.

Drill core sizes used included NQ for collaring holes for distances up to 300 meters which were then reduced to BDBGM (B thin-wall) or standard BQWL for the balance of holes, many of which were over 1000 meters long. Since many of the drill holes were very long some wedging was done to reduce the amount of drilling while increasing the zone intersections.

Supervision of the diamond drilling and core logging of these drill holes was carried out by the writer and a team of 5 geologists and 5 technical assistants. Drill platforms were constructed by Minconsult Ltd of Vernon. Assaying was done by Eco-Tech Laboratories of Kamloops. Surveying was done by Jay Hallman of Blue Bear Enterprises, a contract surveyor from Smithers. Camp catering was by Pacific Camp Services of Vancouver and expediting was handled by Granmac Services of Stewart. Avalanche control was carried out by Bear Enterprises from Smithers under the

supervision of Christoph Dietzfelbinger. Underground development work and drill shift supervision was conducted by Procon Mining Services of Vancouver

Core Logging and Assaying

All drill core was logged on site and then transported to the Royal Oak core storage yard in Stewart for storage. All drill core logs were entered into an electronic database for plotting. A set of composite drill hole sections for the Red Mountain and Hartley Gulch areas are included in this report.

Sections of drill core were selected for assaying by visual mineralization guides most frequently heavy sulphide development and locally the presence of a green alteration (?Chrome Mica) (mineral also thought to be Maraposite or Fuchsite) that occasionally occurs near gold mineralization. Sampled intervals were normally 1.5 meters and locally 1.0 meter, and adjusted to accommodate geological contacts. Core splitting was done by diamond-saw. Samples were sent to Eco-Tech's sample prep lab in Stewart where pulps were produced for shipment to Kamloops for assaying.

All samples were routinely fire-assayed for gold and ICP analysed for the standard 31 element suite. Results of assaying are appended to drill logs. An analysis of ICP data was done and nine elements were selected as being significant. These nine elements are included with Au fire-assay results.

RESULTS AND CONCLUSIONS

Red Mountain Area

Drilling on the Red Mountain mineralized trend extended the mineralized zone some 700 meters to the north however the azimuth of the expected extension was north-easterly rather than to the north as had been expected. In addition the mineralized trend plunged some 700 meters across a series of faults. The mineralized zone was evident across this series of faults but was severely segmented. The relatively wide spaced drilling and lack of stratigraphic markers made it virtually impossible to correlate mineralized intersections across fault blocks.

Some of the most northerly drilling, done late in the program, did intersect significant gold mineralization over lengths of 7 to 9 meters. This mineralization could be the edge of another large tabular deposit of mineralization similar to the Marc-AV-JW zones. Significant mineralized intersections in the 1996 drilling are summarized in Appendix III.

Hartley Gulch Area

Results of drilling in the Hartley Gulch South area were inconclusive as many of the holes were not completed to target depths. Some holes did intersect minor sulphide mineralization but of limited lengths and negligible gold values. Drilling on the Hartley Gulch North area also encountered the same problems in hole completion and poor core recovery. Drilling lower down in the Hartley valley in 1982 by Northair encountered a similar fate.

The similarity of geology, alteration and mineralization at Hartley Gulch to the Red Mountain area and the fact it is on the apparent regional northwesterly mineralized trend makes it a favorable prospective area.

It is planned to carry out additional drilling in this area but using a reverse circulation rig or other drilling equipment capable of penetrating the broken ground.

CERTIFICATE OF QUALIFICATIONS

I, Alfred W. Randall of 1470 Sunnypoint Dr., Smithers, B.C., do hereby certify that:

1. I have studied Geological Engineering at the University of British Columbia in Vancouver, B.C., and have received a Bachelor of Applied Science degree in Geological Engineering in 1972.
2. I am a member in good standing of the Association of Professional Engineers and Geologists of B.C.
3. I have continuously practiced my profession in Canada since graduation.
4. I am employed by Royal Oak Mines Inc. from the B.C. Exploration office in Smithers, B.C.
5. The work described in this report was conducted and/or supervised directly by me. The statements in this report are based on office compilation of past and present work done on the Red Mountain and Hartley Gulch properties.

Dated at Smithers this 10th day of April, 1997.

Signed: _____
A. W. Randall P.Eng

REFERENCES

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- Thompson, A., (1994):** Summary of Alteration Minerology, Red Mountain Project, Stewart, B.C., Lac Minerals 1994, Internal Company Report.

APPENDIX I

Summary of Expenditures 1996

ROYAL OAK MINES INC
RED MOUNTAIN PROJECT
SUMMARY OF EXPENDITURES 1996
(Costs applicable to Claim Assessment Work)
(Costs extracted from December 96 cost report)

	Surface	Underground	Total
Salaries	349,268.75	105,221.71	454,490.46
Travel	77,454.48	23,334.16	100,788.64
Postage	2,329.03	701.65	3,030.68
Telephone	3,795.87	1,143.55	4,939.42
Vehicle Leases	11,142.15	3,356.72	14,498.87
Vehicle Expenses	7,228.89	2,177.79	9,406.68
General Office Supplies	10,250.60	3,088.13	13,338.73
Computer Hardware	57,766.37	17,402.86	75,169.23
Computer Software	41,703.14	12,563.61	54,266.75
Freight	12,328.45	3,714.10	16,042.55
Maps, Reports, Copying	2,301.65	693.40	2,995.05
Communications	68,049.81	20,500.88	88,550.69
Helicopter	1,015,349.90	305,887.25	1,321,237.15
Camp Services	553,615.40	166,783.78	720,399.18
Surveying	15,744.70	4,743.30	20,488.00
Aerial Photography	4,630.00		4,630.00
Geological Mapping	2,258.00		2,258.00
Diamond Drilling - Surface	1,647,380.36		1,647,380.36
Diamond Drilling - U/G		352,312.85	352,312.85
Assaying - Core	70,042.37	21,101.17	91,143.54
Assaying - Whole Rock	189.35	57.05	246.40
Assaying - ICP	2,406.97	725.13	3,132.10
General Field Supplies	104,188.29	31,388.06	135,576.35
Underground Development		1,213,041.60	1,213,041.60
Miscellaneous	890.48	268.27	1,158.75
EXPENDITURE	\$4,060,315.00	\$2,290,207.03	\$6,350,522.03
DRILL METERAGE	20,746	6,250	26,996
ALL INCLUSIVE COST/METER	\$195.72	\$366.43	\$235.24

APPENDIX II

- **1996 Summary of Drill Holes**
- **Drill Logs & Assay Records
(Volume II)**

1996 DRILL HOLE SUMMARY

Hole Number	MINE GRID			Mine		Length	Casing Len/Su	CORE SIZE NQ	CORE SIZE		DATE		Logged By		
	North	East	Elev	Azimuth	Dip				BDBGM	BQ	Started	Finished			
<u>Exploration Drilling</u>															
227	1966.04	4802.07	2018.22	92.6	-58.5	1427.30	3.0/1.0		0-1008	1008-1427.30	26-May	26-Jun	LW/SF		
228	1966.00	4802.00	2018.00	93.0	-51.0	1144.50	3.0/1.3	0-434		434-1145.50	27-Jun	13-Jul	SF		
229	1966.00	4802.00	2018.00	93.0	-77.0	203.35	3.0/1.3	0-203.35			13-Jul	15-Jul	SR/SF		
230	2821.62	4759.46	1563.97	125.1	-46.1	1225.91	1.5/1.0	0-316		316-1225.91	16-Jul	10-Aug	SR/SF		
231W	2504.21	5295.34	1815.09	169.9	-53.0	619.04	-	441Wge		441-1060.00	10-Aug	18-Aug	LW		
232	2504.21	5295.34	1815.09	181.0	-70.0	1200.00	1.5/0.5	0-315		315-1200.00	18-Aug	2-Sep	LW		
233W	2504.21	5295.34	1815.09	169.8	-70.0	798.48	-	407Wge		407-1206	2-Sep	16-Sep	MM		
234W	2504.21	5295.34	1815.09	172.3	-70.0	262.70	-	387Wge		387-648.70	16-Sep	21-Sep	SR		
235	2061.46	4831.73	1962.68	134.2	-73.7	519.66	3.0/1.0		0-519.66		28-May	8-Jun	MM/SF		
236	2061.50	4831.70	1963.00	95.0	-65.0	1165.60	3.0/1.0	0-283	283-843	843-1165.60	8-Jun	1-Jul	MM/SF		
237	2061.00	4831.70	1963.00	90.0	-69.0	1110.60	3.0/1.0	0-284	284-429	429-1110.60	2-Jul	15-Jul	MM/SF		
238	2061.00	4831.70	1963.00	115.0	-57.0	918.40	3.0/1.0	0-304		304-918.40	16-Jul	27-Jul	MM/SF		
239	2504.21	5295.34	1815.09	181.1	-55.6	1087.22	1.5/0.5	0-315		315-1087.22	28-Jul	10-Aug	MM/LW		
240	2541.62	4677.44	1568.00	90.0	-80.0	833.32	1.5/0.5	0-457		457-833.32	3-Jul	30-Jul	SR/LW		
241	2541.62	4677.44	1568.00	180.0	-60.0	1029.72	1.5/0.5	0-422		422-1029.72	4-Aug	23-Aug	LW		
242	2108.00	5657.00	2008.00	242.0	-70.0	1036.58	3.0/1.5	0-371		371-1036.58	18-Aug	10-Sep	SR		
243	1207.33	5191.63	1982.63	119.0	-60.0	538.70	1.5/0.5	0-330		330-538.70	18-Aug	7-Sep	JH		
244	2541.62	4677.44	1568.00	196.8	-60.0	977.49	1.5/0.5	0-398		398-977.49	24-Aug	15-Sep	LW		
245	1207.33	5191.63	1982.63	79.0	-58.5	885.28	1.8/0.5	0-216		216-886.28	7-Sep	27-Sep	JH		
246W	2108.00	5657.00	2008.00	237.8	-70.0	484.50	-	531Wge		531-1015.30	11-Sep	20-Sep	SR		
247W	2108.00	5657.00	2008.00	230.8	-69.5	469.57	-	485Wge		485-957	21-Sep	26-Sep	JH		
248W	2504.21	5295.34	1815.09	178.8	-88.5	211.58	-	449Wge		449-660.54	22-Sep	29-Sep	LW		
260	5880.81	5787.92	1097.00	253.8	-46.0	80.35	6.0/1.0		0-60.35		15-Jun	15-Jun	JH/SF		
261	5880.12	5788.65	1096.00	239.8	-43.8	43.28	6.0/1.0	0-43.28			17-Jun	17-Jun	JH/SF		
262	5880.56	5788.38	1096.19	246.7	-81.0	66.44	4.8/2.0	0-62	62-66.44		19-Jun	19-Jun	JH		
263	5880.00	5788.00	1096.00	315.0	-60.0	237.12	12.2/3.0	0-30	30-237.12		22-Jun	27-Jun	SR/SF		
264	5957.00	5814.00	1029.59	284.5	-43.6	278.75	4.8/2.0	0-73	73-278.75		28-Jun	1-Jul	SR/SF		
265	5957.00	5814.00	1029.59	303.5	-50.0	24.04	9.1/2.0	0-24.04			7-Jul	8-Jul	SR/SF		
266	6350.48	6235.92	1304.00	255.0	-70.0	66.00	6.0/2.0	0-68.00			11-Aug	14-Aug	StuF		
267	6350.48	6235.92	1304.00	255.0	-85.0	38.00	6.0/2.0	0-38.00			14-Aug	15-Aug	SR		
268	6308.78	5964.70	1252.20	252.0	-75.0	94.49	12.0/2.0	0-37		37-94.49	25-Aug	2-Sep	SR		
269	6308.78	5964.70	1252.20	n/a	-90.0	30.48	12.0/2.0	0-30.48			2-Sep	4-Sep	SR		
1162	1680.80	4995.10	1755.90	0.0	-8.5	240.79	1.0/0.5		0-240.79		8-Jun	12-Jun	JH		
1163	1680.80	4995.10	1755.90	0.0	25.0	163.68	1.0/0.5		0-163.68		12-Jun	14-Jun	JH		
1164	1772.00	5096.30	1761.90	90.0	-74.0	416.97	0.3/0.1		0-416.97		28-Aug	5-Sep	MM		
1165	1772.00	5096.30	1761.90	90.0	-62.0	459.76	0.6/0.3		0-459.76		5-Sep	11-Sep	MM		
1165ext						69.68				460-529.44	7-Oct	9-Oct	MM		
1166	1772.00	5096.30	1761.90	90.0	-86.0	415.55	0.6/0.3		0-415.55		11-Sep	18-Sep	MM		
1167	1772.00	5096.30	1761.90	126.0	-71.0	358.84	0.6/0.3		0-358.84		16-Sep	20-Sep	MM		
1168	1839.72	5150.81	1762.60	95.5	-76.5	580.83	0.6/0.3		0-580.83		6-Sep	17-Sep	SR		
1169	1839.58	5150.09	1762.91	91.5	-80.5	546.04	0.6/0.3		0-546.04		17-Sep	24-Sep	MM		
1170	1839.72	5150.81	1762.72	86.5	-55.0	640.24	0.6/0.3			0-640.24	26-Sep	3-Oct	MM		
1171	1839.72	5150.81	1762.72	85.5	-48.0	618.08	0.6/0.3			0-618.08	4-Oct	18-Oct	MM		
1172	1772.00	5096.30	1761.90	145.0	-68.0	257.00	0.6/0.3		0-257.00		9-Oct	12-Oct	SR		
1173	1772.00	5096.30	1761.90	192.0	-70.0	358.31	0.6/0.3		0-356.31		12-Oct	16-Oct	SR		
1174	1772.00	5096.30	1761.90	171.0	-76.0	201.17	0.6/0.3			0-20.17	20-Sep	23-Sep	LW		
1175	1769.70	5093.73	1762.02	176.4	-76.5	295.82	0.6/0.3			0-295.82	23-Sep	27-Sep	LW		
1176	1771.87	5092.67	1762.05	269.1	-70.5	449.38	0.6/0.3			0-449.38	27-Sep	7-Oct	LW		
<u>Geotechnical Drilling</u>															
270	4924.77	3411.74	505.70	180.0	0.0	457.30	1.5/1.0		0-457.30		10-Jul	16-Jul			
271	4010.65	4071.47	1113.50	225.0	-50.0	251.21	4.8/1.5		0-251.21		17-Jul	22-Jul	SR		
272	5658.82	3617.61	435.69	248.0	-47.0	80.18	0.6/0.3		0-80.18		23-Jul	23-Jul			
273	5658.63	3618.93	435.55	n/a	-90.0	70.12	0.6/0.3		0-70.12		24-Jul	25-Jul			
274	5658.63	3618.93	435.55	080.0	-50.0	80.16	0.6/0.3			0-80.16	2-Aug	3-Aug	LW		
275	5661.80	3708.60	449.64	044.0	-50.0	80.18	4.8/1.5			0-80.18	4-Aug	6-Aug			
276	5660.24	3704.71	450.28	224.0	-75.0	81.70	6.0/1.5	0-82.70			7-Aug	8-Aug			
277	5346.96	3389.27	446.75	172.0	-50.0	89.60	4.8/1.5	0-89.60			10-Aug	11-Aug			
278	5346.96	3389.27	446.75	284.0	-46.0	75.60	3.0/1.0	0-75.60			11-Aug	12-Aug			
279	5239.07	3337.22	453.87	302.0	-64.0	82.00	1.5/0.5	0-82.00			12-Aug	17-Aug			
280	5239.07	3337.22	453.87	005.0	-47.0	85.10	1.5/0.5	0-85.10			18-Aug	19-Aug			
281	5239.07	3337.22	453.87	134.0	-44.0	81.40	1.5/0.5	0-81.40			19-Aug	20-Aug			
282	5677.87	3545.09	463.86	105.0	-60.0	114.00	1.5/0.5	0-114.00			21-Aug	24-Aug			
				Number of Holes:				61							
W-Wedge Hole				Total Length of Exploration Holes:				25,338		Meters					
Su-Stickup				Total Length of Geotech Holes:				1,629		Meters					
				Total Length of Holes to Date:				26,966		Meters					
										Exploration Holes:		47			
										Geotechnical Holes:		13			

APPENDIX III

**Significant Intersections Summary
1996 Drilling**

ROYAL OAK MINES INC
 RED MOUNTAIN PROJECT
 SIGNIFICANT INTERSECTION SUMMARY
 1996 DRILLING PROGRAM

02/04/02

DDH	North	East	Elevation	From	To	Actual Width	True Width	Au(gm/t)	Au*TW	Remarks
227	1910	5373	1200	1000.0	1005.0	5.0	3.0	1.26		
228	1850	5331	1330	846.5	881.3	34.8	21.0	3.38	71.0	Mixed fg vT&FHx + 10-15%py
231	1946	5359	1053	947.0	950.0	3.0	2.5	4.61	11.5	
232	2120	5303	780	1094.0	1122.5	28.5	20.0	0.25	5.0	10-15% Py, Locally Msv
233			800	1090.0	1115.0	25.0	20.0			10-15% Py, Locally Msv
236	1951	5235	1091	971.0	972.0	1.0		8.64		7-10% Py
"	1951	5235	1091	976.0	979.2	3.2		6.29		Msv Py
"	1951	5235	1091	971.0	979.2	8.2	6.0	3.51	21.1	
237				874.1	878.2	4.1				Bx'd vT
238	1825	5197	1305	790.3	795.6	5.3	2.5	0.25	0.6	10% py
239	1890	5294	1132	929.5	935.5	6.0	6.0	1.15	6.9	
"	1890	5294	1132	934.0	943.5	9.5				20-30% Py
242				803.0	805.0	2.0				10-15% vfg Py, xvT
"	1940	5405	1155	900.8	905.50	4.7	3.3	6.27	20.7	Msv Py + Maraposite
"				820.0	926.00	106.0				Scattered Elevated Au Values
246	1933	5397	1163	902.0	917.00	15.0	12.0	2.67	32.0	
247				812.9	814.00	1.1		13.28		
"				896.6	903.70	7.1		6.47		Cut to 31 g/t
1164	1765	5200	1475	300.0	304.5	4.5	2.3	2.58	5.9	
"	1765	5225	1435	340.0	343.0	3.0	1.5	2.22	3.3	
1167	1726	5158	1566	206.5	208.0	1.5	1.0	5.51	5.5	
1168				410.0	438.0	28.0	12.0			Bx'd vT w/ Py & Mariposite
"	1825	5277	1360	417.6	420.6	3.0	2.5	3.17	7.9	
1169	1810	5345	1385	419.0	425.0	6.0	3.0	1.49	4.5	Hvy Py, Loc Msv, Marposite
"				438.0	441.5	1.5	1.5	1.29	1.9	
1170				588.5	594.5	6.0	6.0	1.38	8.3	
"				637.8	639.3	1.5	1.5	1.22	1.8	
1172				205.0	208.0	3.0	3.0	1.55	4.7	
1175	1712	5103	1538	229.1	230.5	1.4	1.0	9.67	9.7	

APPENDIX IV

Summary of Claim Groupings

Royal Oak Mines Inc
Red Mountain Project
Summary of 1996 Claim Grouping, Cash Requirements, and
Statement of PAC Account Credits
 (All Claims to Year 2000)

Work Source (Claim)	Claim Group	Total Units	Units Work Applied	Assessment Required	Recording Fees
Kim14 etc	Cam1	86	30	\$12,000	\$600
"	Glad 2	100	60	\$26,000	\$1,400
"	Glad 5	76	38	\$15,200	\$760
"	Ruby Silver	100	64	\$24,800	\$1,560
"	Rusopir	99	15	\$5,700	\$440
Total Assessment Work Applied to Kim Claim Groups				\$83,700	\$4,760
Total Assessment Work Done On Kim etc Claims				\$158,647	
Balance of Assessment Work To PAC Acct				\$74,947	
ORO IV etc	Bromley	47	6	\$2,400	\$180
"	Dick 3	97	48	\$28,800	\$1,440
"	Dick 4	95	46	\$27,600	\$1,380
"	Dixie 4	90	34	\$20,400	\$1,020
"	Glad 4	94	40	\$20,000	\$1,000
"	Goldspot	73	2	\$1,200	\$60
"	Irene	100	20	\$12,000	\$600
"	Janine 2	79	34	\$20,400	\$1,020
"	Janine 4	81	40	\$24,000	\$1,200
"	Lisa 1	96	40	\$24,000	\$1,200
"	Lisa 13	100	20	\$12,000	\$600
"	Lisa 4	89	50	\$30,000	\$1,500
"	Sarah 10	98	40	\$24,000	\$1,200
"	Sarah 6	82	24	\$14,400	\$720
"	Sarah 8	94	43	\$25,800	\$1,290
"	Shawna	95	54	\$32,400	\$1,620
"	Vera 8	99	60	\$36,000	\$1,800
Total Value of Assessment Work Applied On ORO IV Claim Groups				\$355,400	\$17,830
Total Value of Assessment Work Done On ORO IV Claims				\$6,172,336	
Balance of Assessment Work To PAC Acct				\$5,816,936	
Sub Total Assessment Work Fees					\$22,590
Grouping Fees- 22 groups @ \$10/group					\$220
Grand Total Assessment Work Fees					\$22,810
Grand Total Assessment Work Credits to PAC				\$5,891,883	

C. Coon
April 2/97

Grouping - Cam 1

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Bon Accord		L6089	251660	1	Feb-16, 87	Feb-16, 05							
Bon Accord 1		L6090	251661	1	Feb-16, 87	Feb-16, 05							
Bon Accord 2		L6091	251627	1	Jan-19, 87	Jan-19, 05							
Bon Accord 6		L6095	251631	1	Jan-19, 87	Jan-19, 05							
Bon Accord 9		L6202	251662	1	Feb-16, 87	Feb-16, 05							
Bon Fr.*		120664	328214	1	Jul-18, 94	Jul-18, 98							
Klm No.14	500940 M		250794	1	Sep-26, 79	Sep-26, 05							
Sarah I		122220	253172	20	Sep-26, 89	Sep-26, 00							
Sarah 3		120778	253109	6	Sep-15, 89	Sep-15, 97							
Sarah 4		120785	253110	2	Sep-15, 89	Sep-15, 97							
Sarah Fr		219285	319423	1	Jul-20, 93	Jul-20, 97							
Glad 6*		220446	324386	18	Apr-01, 94	Apr-01, 98							
Cam 1*		226021	325272	12	May-09, 94	May-09, 98	12		2		4800	240	May-09, 00
Glad 8*		220448	324387	18	Apr-01, 94	Apr-01, 98	18		2		7200	360	Apr-01, 00
Totals							30		4		\$12,000	\$600	
Total Units in Group				84									
Total Units with Work Applied				30									
Total Assessment \$ Required for Group				\$12,000									
Recording Fees				\$600									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Bon Fr.	120664	328214	1	Jul-18, 94	Jul-18, 98							
Kim No.14	500940 M	250794	1	Sep-26, 79	Sep-26, 05							
Montreal 8 CG	L6289	253778	1	Mar-22, 90	Mar-22, 05							
Montreal 4,5	L6286	250334	1	Jan-27, 75	Jan-27, 05							
Montreal 1	L6282	250331	1	Jan-27, 75	Jan-27, 05							
Windy	226013	320869	3	Sep-14, 93	Sep-14, 97							
Vermillion 2	220153	343047	12	Jan-18, 96	Jan-18, 97							
Vera 11	122219	253132	20	Sep-24, 89	Sep-24, 97							
Glad 1	220441	324380	20	Apr-01, 94	Apr-01, 98	20		2		8000	400	Apr-01, 00
Glad 2	220442	324381	20	Apr-01, 94	Apr-01, 97	20	1	2	2000	8000	600	Apr-01, 00
Glad 3	220443	324382	20	Apr-01, 94	Apr-01, 98	20		2		8000	400	Apr-01, 00
Totals						60		6	\$2,000	\$24,000	\$1,400	
Total Units in Group			100									
Total Units with Work Applied			60									
Total Assessment \$ Required for Group			\$26,000									
Recording Fees			\$1,400									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Bon Accord		L6089	251660	1	Feb-16, 87	Feb-16, 05							
Bon Accord 1		L6090	251661	1	Feb-16, 87	Feb-16, 05							
Bon Accord 2		L6091	251627	1	Jan-19, 87	Jan-19, 05							
Bon Accord 6		L6095	251631	1	Jan-19, 87	Jan-19, 05							
Bon Accord 9		L6202	251662	1	Feb-16, 87	Feb-16, 05							
Bon Fr.		120664	328214	1	Jul-18, 94	Jul-18, 98							
Kim No.14	500940 M		250794	1	Sep-26, 79	Sep-26, 05							
Sarah 1		122220	253172	20	Sep-26, 89	Sep-26, 00							
Sarah Fr		219285	319423	1	Jul-20, 93	Jul-20, 97							
Sarah 3		120778	253109	6	Sep-15, 89	Sep-15, 97							
Sarah 4		120785	253110	2	Sep-15, 89	Sep-15, 97							
Glad 6		220446	324386	18	Apr-01, 94	Apr-01, 98	18		2		7200	360	Apr-01, 00
Glad 5		220445	324384	20	Apr-01, 94	Apr-01, 98	20		2		8000	400	Apr-01, 00
Totals							38		4		\$15,200	\$760	
Total Units in Group				74									
Total Units with Work Applied				38									
Total Assessment \$ Required for Group				\$15,200									
Recording Fees				\$760									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Bon Accord	L6089	251660	1	Feb-16, 87	Feb-16, 05							
Bon Accord 1	L6090	251661	1	Feb-16, 87	Feb-16, 05							
Bon Accord 2	L6091	251627	1	Jan-19, 87	Jan-19, 05							
Bon Accord 6	L6095	251631	1	Jan-19, 87	Jan-19, 05							
Bon Accord 10	L6203	251663	1	Feb-16, 87	Feb-16, 05							
Bon Fr.	120664	328214	1	Jul-18, 94	Jul-18, 98							
Glad 7*	220447	324385	20	Apr-01, 94	Apr-01, 98	20		2	8000		400	Apr-01, 00
Kim No.14	500940 M	250794	1	Sep-26, 79	Sep-26, 05							
ROM 2*	229663	347578	8	Jul-07, 96	Jul-07, 97	8	3		2400		240	Jul-07, 00
Roo 1*	220423	325244	16	May-08, 94	May-08, 98	16		2	6400		320	May-08, 00
Ruby Silver 3*	226043	336016	20	May-12, 95	May-12, 97	20	2	1	4000	4000	600	May-12, 00
Sarah 1	122220	253172	20	Sep-26, 89	Sep-26, 00							
Sarah Fr	219285	319423	1	Jul-20, 93	Jul-20, 97							
Sarah 3	120778	253109	6	Sep-15, 89	Sep-15, 97							
Sarah 4	120785	253110	2	Sep-15, 89	Sep-15, 97							
Totals						64	5	5	\$6,400	\$18,400	\$1,560	
Total Units in Group			100									
Total Units with Work Applied			64									
Total Assessment \$ Required for Group			\$24,800									
Recording Fees			\$1,560									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Bon Accord		L6089	251660	1	Feb-16, 87	Feb-16, 05							
Bon Accord 1		L6090	251661	1	Feb-16, 87	Feb-16, 05							
Bon Accord 2		L6091	251627	1	Jan-19, 87	Jan-19, 05							
Bon Accord 6		L6095	251631	1	Jan-19, 87	Jan-19, 05							
Bon Accord 9		L6202	251662	1	Feb-16, 87	Feb-16, 05							
Bon Accord 10		L6203	251663	1	Feb-16, 87	Feb-16, 05							
Bon Fr.*		120664	328214	1	Jul-18, 94	Jul-18, 98	1		2		400	20	Jul-18, 00
Kim No.14	500940 M		250794	1	Sep-26, 79	Sep-26, 05							
ROM 2		229663	347578	8	Jul-07, 96	Jul-07, 97							
Roo 1		220423	325244	16	May-08, 94	May-08, 98							
Sarah I		122220	253172	20	Sep-26, 89	Sep-26, 00							
Sarah Fr*		219285	319423	1	Jul-20, 93	Jul-20, 97	1		3		600	30	Jul-20, 00
ROM 1*		229662	347577	4	Jul-06, 96	Jul-06, 97	4	3		1200		120	Jul-06, 00
ROM 4		615391	347624	1	Jul-08, 96	Jul-08, 97	1	3		300		30	
Rus-Opir*		226044	336017	8	May-12, 95	May-12, 97	8	2	1	1600	1600	240	May-12, 00
Sarah 5		120786	253111	4	Sep-15, 89	Sep-15, 97							
Sarah 6		120787	253112	12	Sep-15, 89	Sep-15, 97							
Glad 6*		220446	324386	18	Apr-01, 94	Apr-01, 98							
Totals							15		6	\$3,100	\$2,600	\$440	
Total Units in Group				100									
Total Units with Work Applied				15									
Total Assessment \$ Required for Group				\$5,700									
Recording Fees				\$440									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr	103787	320735	1	Sep-06, 93	Sep-06, 05							
Oro VI	120784	253163	20	Sep-23, 89	Sep-23, 02							
Vera 7	120073	253108	8	Sep-16, 87	Sep-16, 97							
Theresa	209936	320737	20	Sep-02, 93	Sep-02, 00							
Bromley	232349	338971	6	Aug-17, 95	Aug-17, 97	6	2	1	1200	1200	180	Aug-17, 00
Totals						6	2	1	\$1,200	\$1,200	\$180	
Total Units in Group			75									
Total Units with Work Applied			6									
Total Assessment \$ Required for Gro			\$2,400									
Recording Fees			\$180									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
*Oro IV		120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr		103787	320735	1	Sep-06, 93	Sep-06, 05							
Vera 3		120069	253105	8	Sep-17, 89	Sep-17, 05							
Theresa		209936	320737	20	Sep-02, 93	Sep-02, 00							
Dick 2		11871	253079	20	Sep-09, 89	Sep-09, 97	20		3		12000	600	Sep-09, 00
Dick 3		11872	253080	20	Sep-09, 89	Sep-09, 97	20		3		12000	600	Sep-09, 00
Vera 7		120073	253108	8	Sep-16, 87	Sep-16, 97	8		3		4800	240	Sep-16, 00
Totals							48		9		\$28,800	\$1,440	
Total Units in Group				97									
Total Units with Work Applied				48									
Total Assessment \$ Required for Group				\$28,800									
Recording Fees				\$1,440									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV		120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr		103787	320735	1	Sep-06, 93	Sep-06, 05							
Vera 3		120069	253105	8	Sep-17, 89	Sep-17, 05							
Theresa		209936	320737	20	Sep-02, 93	Sep-02, 00							
Dick 1		11870	253078	20	Sep-09, 89	Sep-09, 97	20		3		12000	600	Sep-09, 00
Dick 4		11873	253081	20	Sep-09, 89	Sep-09, 97	20		3		12000	600	Sep-09, 00
Lindy		226014	320866	6	Sep-08, 93	Sep-08, 97	6		3		3600	180	Sep-09, 00
Totals							46		9		\$27,600	\$1,380	
Total Units in Group				95									
Total Units with Work Applied				46									
Total Assessment \$ Required for Group				\$27,600									
Recording Fees				\$1,380									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro I	120779	253158	18	Sep-16, 89	Sep-16, 05							
Oro II	120780	253159	18	Sep-16, 89	Sep-16, 02							
Sharon Fr	226009	321028	1	Sep-07, 93	Sep-07, 97	1		3		600	30	Sep-07, 00
Dixie 4	119136	252946	18	Jul-15, 89	Jul-15, 97	18		3		10800	540	Jul-15, 00
Dixie 2	119134	252944	15	Jul-15, 89	Jul-15, 97	15		3		9000	450	Jul-15, 00
Totals						34		9		\$20,400	\$1,020	
Total Units in Group			90									
Total Units with Work Applied			34									
Total Assessment \$ Required for			\$20,400									
Recording Fees			\$1,020									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Montreal 8 CG		L6289	253778	1	Mar-22, 90	Mar-22, 05							
Montreal 4,5		L6286	250334	1	Jan-27, 75	Jan-27, 05							
Montreal 1		L6282	250331	1	Jan-27, 75	Jan-27, 05							
Vermillion 2		220153	343047	12	Jan-18, 96	Jan-18, 97							
Klm No.1		500927 M	250781	1	Sep-26, 79	Sep-26, 05							
Klm No.3		500929 M	250783	1	Sep-26, 79	Sep-26, 05							
Klm No.5		500931 M	250785	1	Sep-26, 79	Sep-26, 05							
Klm No.7		500933 M	250787	1	Sep-26, 79	Sep-26, 05							
Klm No.9		500935 M	250789	1	Sep-26, 79	Sep-26, 05							
Klm No.14		500940 M	250794	1	Sep-26, 79	Sep-26, 05							
Oro IV		120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr		103787	320735	1	Sep-06, 93	Sep-06, 05							
Vera 3		120069	253105	8	Sep-17, 89	Sep-17, 05							
Gold Spot		649785 M	255098	1	Sep-21, 68	Sep-21, 97	1		3		600	30	Sep-21, 00
Gold Valley 7		24874	250978	20	Apr-10, 81	Apr-10, 01							
Dixon 2 Fr		204759	340214	1	Sep-10, 95	Sep-10, 97	1		3		600	30	Sep-10, 00
Totals							2		6		\$1,200	\$60	
Total Units in Group				72									
Total Units with Work Applied				2									
Total Assessment \$ Required for Group				\$1,200									
Recording Fees				\$60									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro V	120783	253162	20	Sep-23, 89	Sep-23, 02							
Ren	226012	320930	5	Sep-02, 93	Sep-02, 00							
Lisa 7	29973	252996	20	Aug-12, 89	Aug-12, 00							
Lisa 8	29974	252997	15	Aug-12, 89	Aug-12, 00							
Irene 1	109889	253101	20	Sep-16, 89	Sep-16, 97	20		3		12000	600	Sep-16, 00
Totals						20		3		\$12,000	\$600	
Total Units in Group			100									
Total Units with Work Applied			20									
Total Assessment \$ Required for Group			\$12,000									
Recording Fees			\$600									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Hrothgar	115327	252153	20	Jul-11, 88	Jul-11, 05							
Ren	226012	320930	5	Sep-02, 93	Sep-02, 00							
Janine 1	118474	253082	16	Sep-08, 89	Sep-08, 97	16		3		9600	480	Sep-08, 00
Janine 2	118475	253083	12	Sep-08, 89	Sep-08, 97	12		3		7200	360	Sep-08, 00
Stimpy	226011	320932	6	Aug-30, 93	Sep-02, 97	6		3		3600	180	Sep-02, 00
Desi 1	226058	324637	4	Mar-27, 94	Mar-27, 98	4		2		1600	80	Mar-27, 00
Desi 2	226059	324638	4	Mar-27, 94	Mar-27, 98	4		2		1600	80	Mar-27, 00
Totals						42		13		\$23,600	\$1,180	
Total Units in Group			87									
Total Units with Work Applied			42									
Total Assessment \$ Required for Group			\$23,600									
Recording Fees			\$1,180									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro V	120783	253162	20	Sep-23, 89	Sep-23, 02							
Sandra Fr	103788	320992	1	Sep-06, 93	Sep-06, 00							
Janine 3	118476	253084	20	Sep-08, 89	Sep-08, 97	20		3		12000	600	Sep-08, 00
Janine 4	118477	253085	20	Sep-08, 89	Sep-08, 97	20		3		12000	600	Sep-08, 00
Totals						40		6		\$24,000	\$1,200	
Total Units in Group			81									
Total Units with Work Applied			40									
Total Assessment \$ Required for Grou			\$24,000									
Recording Fees			\$1,200									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro I	120779	253158	18	Sep-16, 89	Sep-16, 05							
Dixie 1	119133	252943	18	Jul-15, 89	Jul-15, 00							
Lisa 1	119139	252990	20	Aug-12, 89	Aug-12, 97	20		3		12000	600	Aug-12, 00
Willoughby 3	107482	252217	20	Sep-21, 88	Sep-21, 97	20		3		12000	600	Sep-21, 00
Totals						40		6		\$24,000	\$1,200	
Total Units in Group			96									
Total Units with Work Applied			40									
Total Assessment \$ Required for Grou			\$24,000									
Recording Fees			\$1,200									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Anita Fr	219300	320870	1	Sep-14, 93	Sep-14, 00							
Oro I	120779	253158	18	Sep-16, 89	Sep-16, 05							
Lisa 3	119141	252992	20	Aug-12, 89	Aug-12, 97	20		3		12000	600	Aug-12, 00
Lisa 4	29970	252993	20	Aug-12, 89	Aug-12, 97	20		3		12000	600	Aug-12, 00
Janet 1	226016	320867	5	Sep-14, 93	Sep-14, 97	5		3		3000	150	Sep-14, 00
Janet 2	226017	320868	5	Sep-14, 93	Sep-14, 97	5		3		3000	150	Sep-14, 00
Pamvera Fr.	120665	328212	1	Jul-18, 94	Jul-18, 98	1		2		400	20	Jul-18, 00
Vera 5	120071	253236	4	Sep-17, 89	Sep-17, 05							
Totals						51		14		\$30,400	\$1,520	
Total Units in Group			94									
Total Units with Work Applied			51									
Total Assessment \$ Required for Gr			\$30,400									
Recording Fees			\$1,520									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro V	120783	253162	20	Sep-23, 89	Sep-23, 02							
Ren	226012	320930	5	Sep-02, 93	Sep-02, 00							
Lisa 6	29972	252995	20	Aug-12, 89	Aug-12, 00							
Lisa 8	29974	252997	15	Aug-12, 89	Aug-12, 00							
Lisa 13	29975	253092	20	Sep-09, 89	Sep-09, 97	20		3		12000	600	Sep-09, 00
Totals						20		3		\$12,000	\$600	
Total Units in Group			100									
Total Units with Work Applied			20									
Total Assessment \$ Required for Grou			\$12,000									
Recording Fees			\$600									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Montreal 8 CG		L6289	253778	1	Mar-22, 90	Mar-22, 05							
Montreal 4,5		L6286	250334	1	Jan-27, 75	Jan-27, 05							
Montreal 1		L6282	250331	1	Jan-27, 75	Jan-27, 05							
Vermillion 2		220153	343047	12	Jan-18, 96	Jan-18, 97							
Kim No.1		500927 M	250781	1	Sep-26, 79	Sep-26, 05							
Kim No.3		500929 M	250783	1	Sep-26, 79	Sep-26, 05							
Kim No.5		500931 M	250785	1	Sep-26, 79	Sep-26, 05							
Kim No.7		500933 M	250787	1	Sep-26, 79	Sep-26, 05							
Kim No.9		500935 M	250789	1	Sep-26, 79	Sep-26, 05							
Kim No.14		500940 M	250794	1	Sep-26, 79	Sep-26, 05							
Oro IV		120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr		103787	320735	1	Sep-06, 93	Sep-06, 05							
Vera 3		120069	253105	8	Sep-17, 89	Sep-17, 05							
Vermillion 1		220152	343046	4	Jan-18, 96	Jan-18, 97							
Sarah 3		120778	253109	6	Sep-15, 89	Sep-15, 97	6	3		3600	180	Sep-15, 00	
Sarah 4		120785	253110	2	Sep-15, 89	Sep-15, 97	2	3		1200	60	Sep-15, 00	
Sarah 5		120786	253111	4	Sep-15, 89	Sep-15, 97	4	3		2400	120	Sep-15, 00	
Sarah 6		120787	253112	12	Sep-15, 89	Sep-15, 97	12	3		7200	360	Sep-15, 99	
Totals							24	12		\$14,400	\$720		
Total Units in Group				78									
Total Units with Work Applied				24									
Total Assessment \$ Required for Group				\$14,400									
Recording Fees				\$720									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Montreal 8 CG		L6289	253778	1	Mar-22, 90	Mar-22, 05							
Montreal 4,5		L6286	250334	1	Jan-27, 75	Jan-27, 05							
Montreal 1		L6282	250331	1	Jan-27, 75	Jan-27, 05							
Windy		226013	320869	3	Sep-14, 93	Sep-14, 97	3		3		1800	90	Sep-14, 00
Vermillion 2		220153	343047	12	Jan-18, 96	Jan-18, 97							
Kim No.1	500927 M		250781	1	Sep-26, 79	Sep-26, 05							
Kim No.3	500929 M		250783	1	Sep-26, 79	Sep-26, 05							
Kim No.5	500931 M		250785	1	Sep-26, 79	Sep-26, 05							
Kim No.7	500933 M		250787	1	Sep-26, 79	Sep-26, 05							
Kim No.9	500935 M		250789	1	Sep-26, 79	Sep-26, 05							
Kim No.14	500940 M		250794	1	Sep-26, 79	Sep-26, 05							
Oro IV	120782	253161		20	Sep-23, 89	Sep-23, 05							
Oro Fr	103787	320735		1	Sep-06, 93	Sep-06, 05							
Vera 3	120069	253105		8	Sep-17, 89	Sep-17, 05							
Sarah 7	120788	253113		20	Sep-15, 89	Sep-15, 97	20		3		12000	600	Sep-15, 00
Sarah 8	120789	253114		20	Sep-15, 89	Sep-15, 97	20		3		12000	600	Sep-15, 00
Totals							43		9		\$25,800	\$1,290	
Total Units in Group				93									
Total Units with Work Applied				43									
Total Assessment \$ Required for Group				\$25,800									
Recording Fees				\$1,290									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Montreal 8 CG		L6289	253778	1	Mar-22, 90	Mar-22, 05							
Montreal 4,5		L6286	250334	1	Jan-27, 75	Jan-27, 05							
Montreal 1		L6282	250331	1	Jan-27, 75	Jan-27, 05							
Vermillion 2		220153	343047	12	Jan-18, 96	Jan-18, 97							
Kim No.1		500927 M	250781	1	Sep-26, 79	Sep-26, 05							
Kim No.3		500929 M	250783	1	Sep-26, 79	Sep-26, 05							
Kim No.5		500931 M	250785	1	Sep-26, 79	Sep-26, 05							
Kim No.7		500933 M	250787	1	Sep-26, 79	Sep-26, 05							
Kim No.9		500935 M	250789	1	Sep-26, 79	Sep-26, 05							
Kim No.14		500940 M	250794	1	Sep-26, 79	Sep-26, 05							
Oro IV		120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr		103787	320735	1	Sep-06, 93	Sep-06, 05							
Vera 3		120069	253105	8	Sep-17, 89	Sep-17, 05							
Vermillion 1		220152	343046	4	Jan-18, 96	Jan-18, 97							
Sarah 9		120790	253115	20	Sep-15, 89	Sep-15, 97	20		3		12000	600	Sep-15, 00
Sarah 10		120791	253116	20	Sep-15, 89	Sep-15, 97	20		3		12000	600	Sep-15, 00
Totals							40		6		\$24,000	\$1,200	
Total Units in Group				94									
Total Units with Work Applied				40									
Total Assessment \$ Required for Group				\$24,000									
Recording Fees				\$1,200									

CLAIM NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
Oro Fr	103787	320735	1	Sep-06, 93	Sep-06, 05							
Theresa	209936	320737	20	Sep-02, 93	Sep-02, 00							
Shawna	226002	320931	14	Aug-29, 93	Aug-29, 97	14		3		8400	420	Aug-29, 00
Vera 1	118479	253119	20	Sep-16, 89	Sep-16, 97	20		3		12000	600	Sep-16, 00
Vera 2	118480	253120	20	Sep-16, 89	Sep-16, 97	20		3		12000	600	Sep-16, 00
Totals						54		9		\$32,400	\$1,620	
Total Units in Group			95									
Total Units with Work Applied			54									
Total Assessment \$ Required for Grou			\$32,400									
Recording Fees			\$1,620									

CLAIM	NAME	TAG #	REC # (NEW)	UNITS	RECORD DATE	EXPIRY DATE	Units Work Applied	Yrs Applied @\$100	Yrs Applied @\$200	Units* Yrs* \$100	Units* Yrs* \$200	Recording Fees	NEW EXPIRY DATE
*	Oro IV	120782	253161	20	Sep-23, 89	Sep-23, 05							
	Anita Fr	219300	320870	1	Sep-14, 93	Sep-14, 00							
	Oro I	120779	253158	18	Sep-16, 89	Sep-16, 05							
	Vera 8	122216	253129	20	Sep-24, 89	Sep-24, 97	20		3		12000	600	Sep-24, 00
	Vera 9	122217	253130	20	Sep-24, 89	Sep-24, 97	20		3		12000	600	Sep-24, 00
	Vera 10	122218	253131	20	Sep-24, 89	Sep-24, 97	20		3		12000	600	Sep-24, 00
Totals							60		9		\$36,000	\$1,800	
Total Units in Group				99									
Total Units with Work Applied				60									
Total Assessment \$ Required for Group				\$36,000									
Recording Fees				\$1,800									

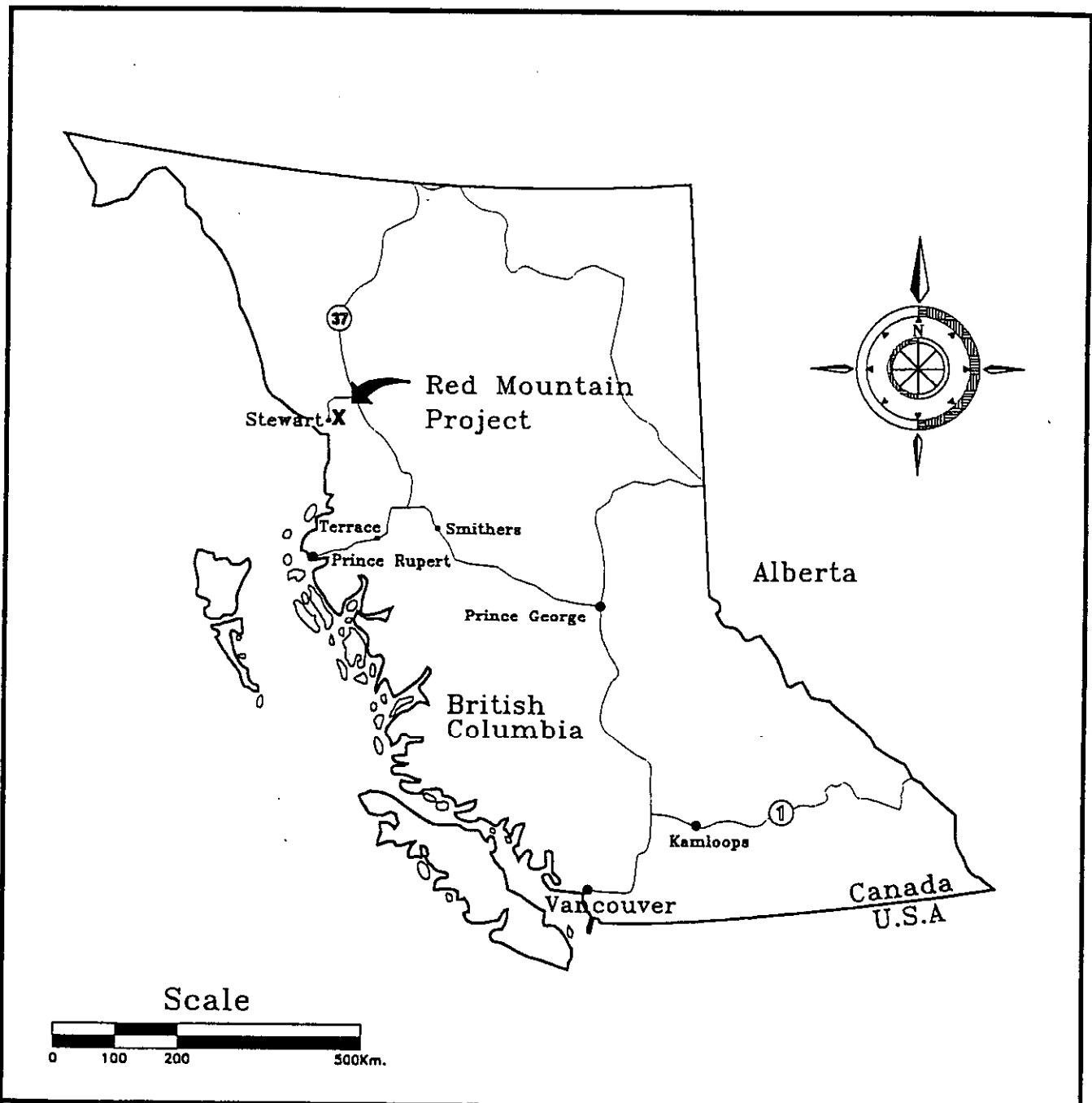
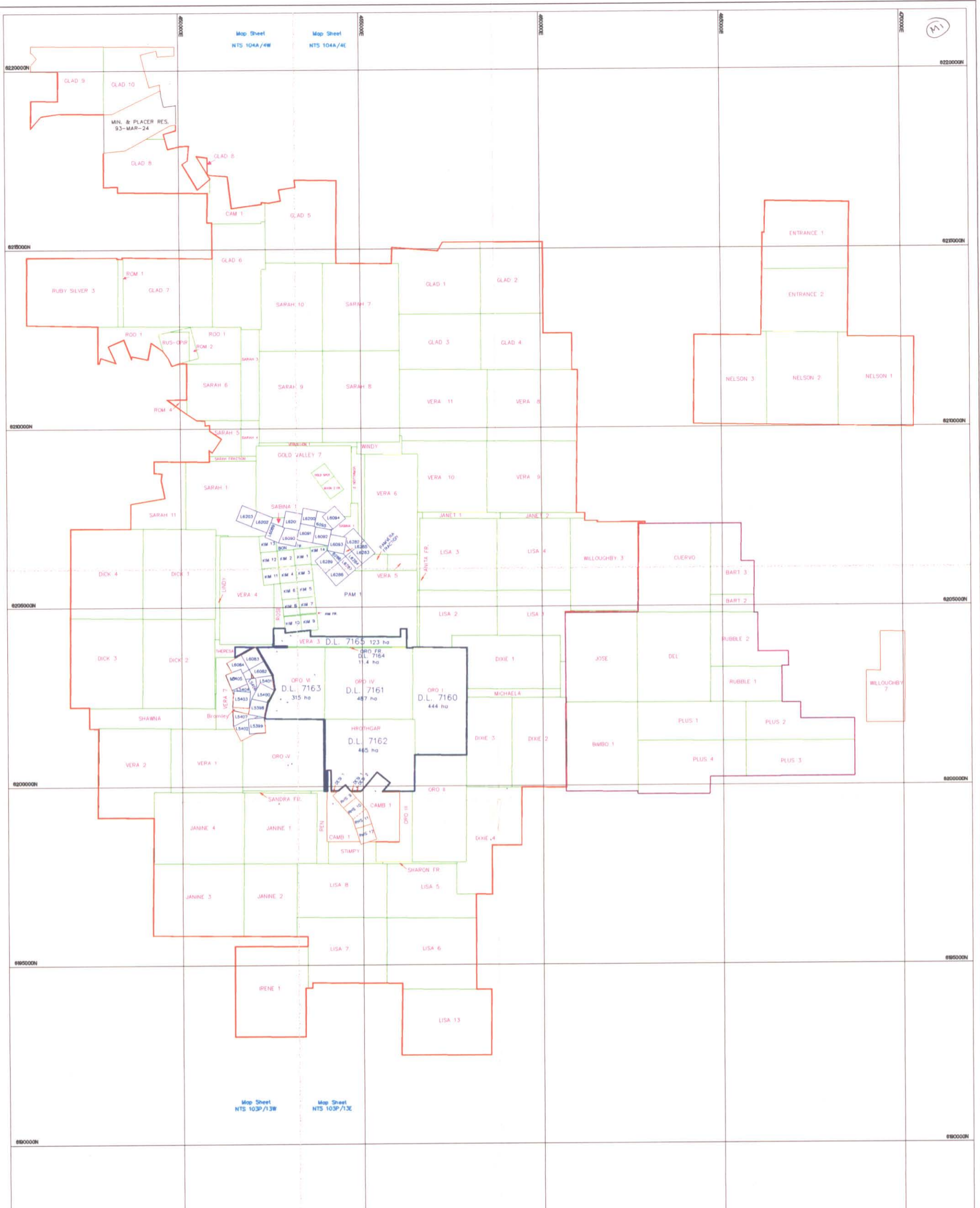


Fig. 1

RED MOUNTAIN PROJECT LOCATION MAP

M1

Map Sheet
NTS 104A/4W Map Sheet
NTS 104A/4E



Map Sheet
NTS 103P/13W Map Sheet
NTS 103P/13E

**Red Mountain Project
1996
Claim Boundaries**

Legend

- 1996 Boundary
- Legal Survey Boundary
DL7160-7165
- Willoughby (Comnor)

SCALE 1:50,000 SCALE 100'/30M

1996 boundary drafted by C. Davis, April 5, 1997
File: D:\Data\1996\1996Claim\1996Claim.dwg

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,947

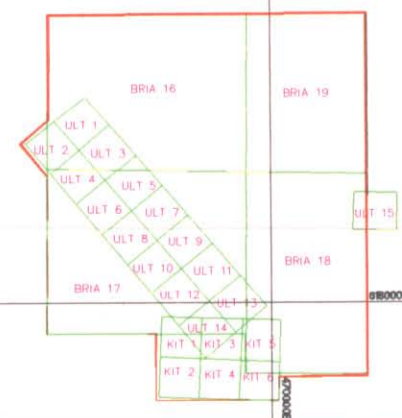
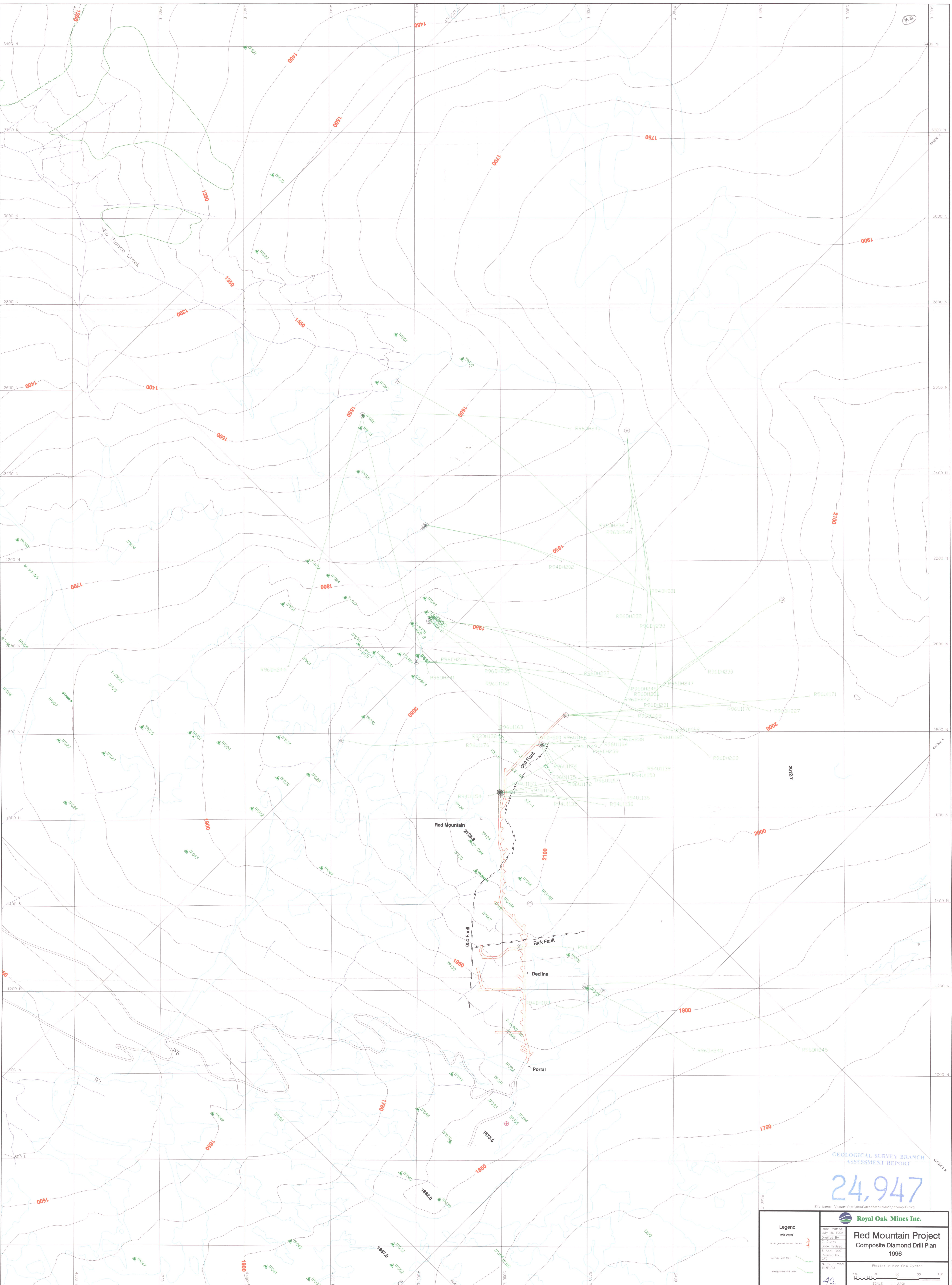


FIG. 2



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,947

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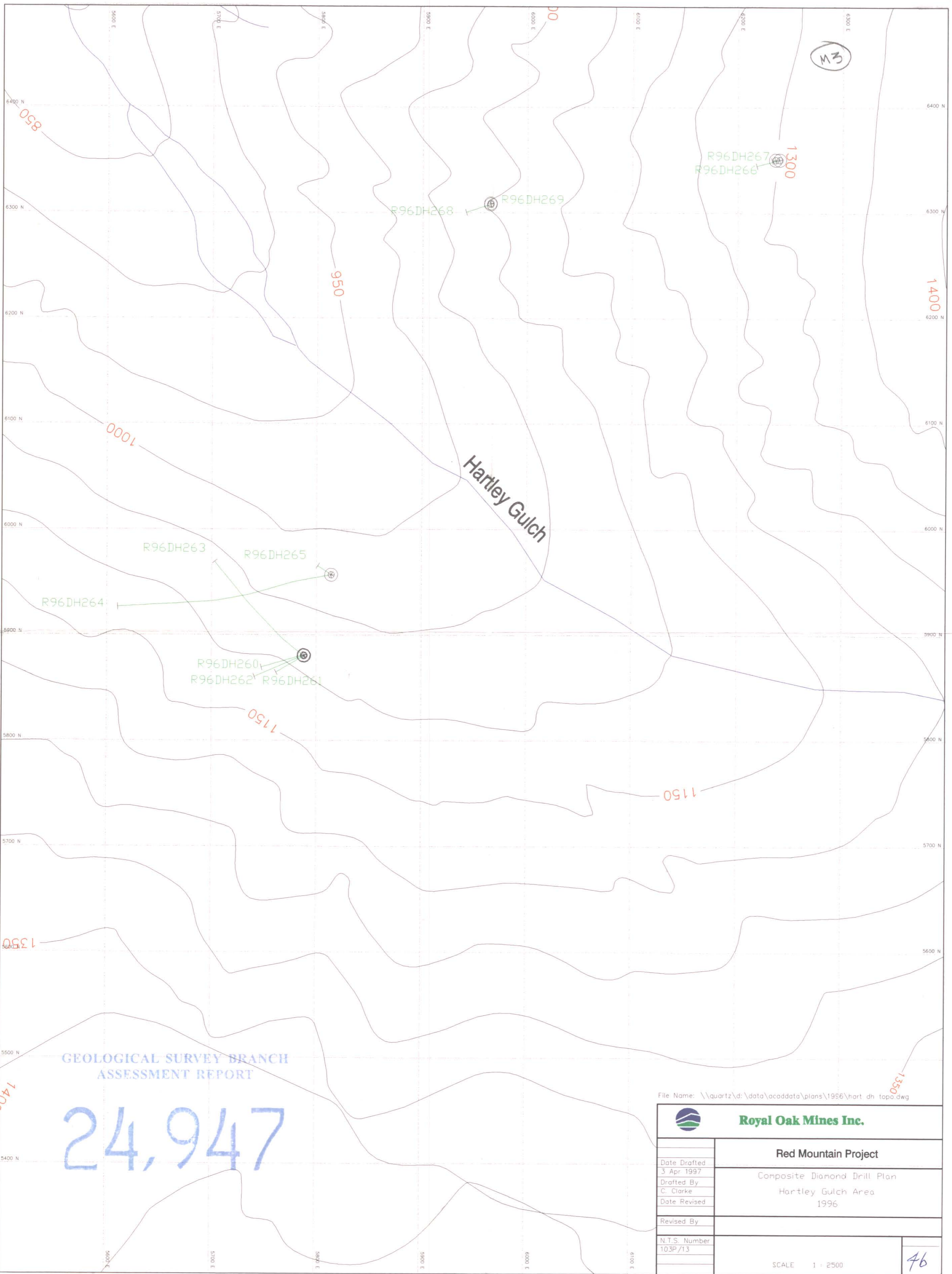
Royal Oak Mines Inc.

Red Mountain Project
Composite Diamond Drill Plan
1996

Printed in Meter Grid System
Scale: 1:2500

Legend	
1996 Drilling	—
Underground Access System	—
Surface Drill Hole	—
Underground Drill Hole	—


Date: 01/19/96	Drawn By: J. Clark
Checked By: J. Clark	Date Revised: 04/19/97
Reviewed By: J. Clark	
DLIS Number: 1337/13	
40	

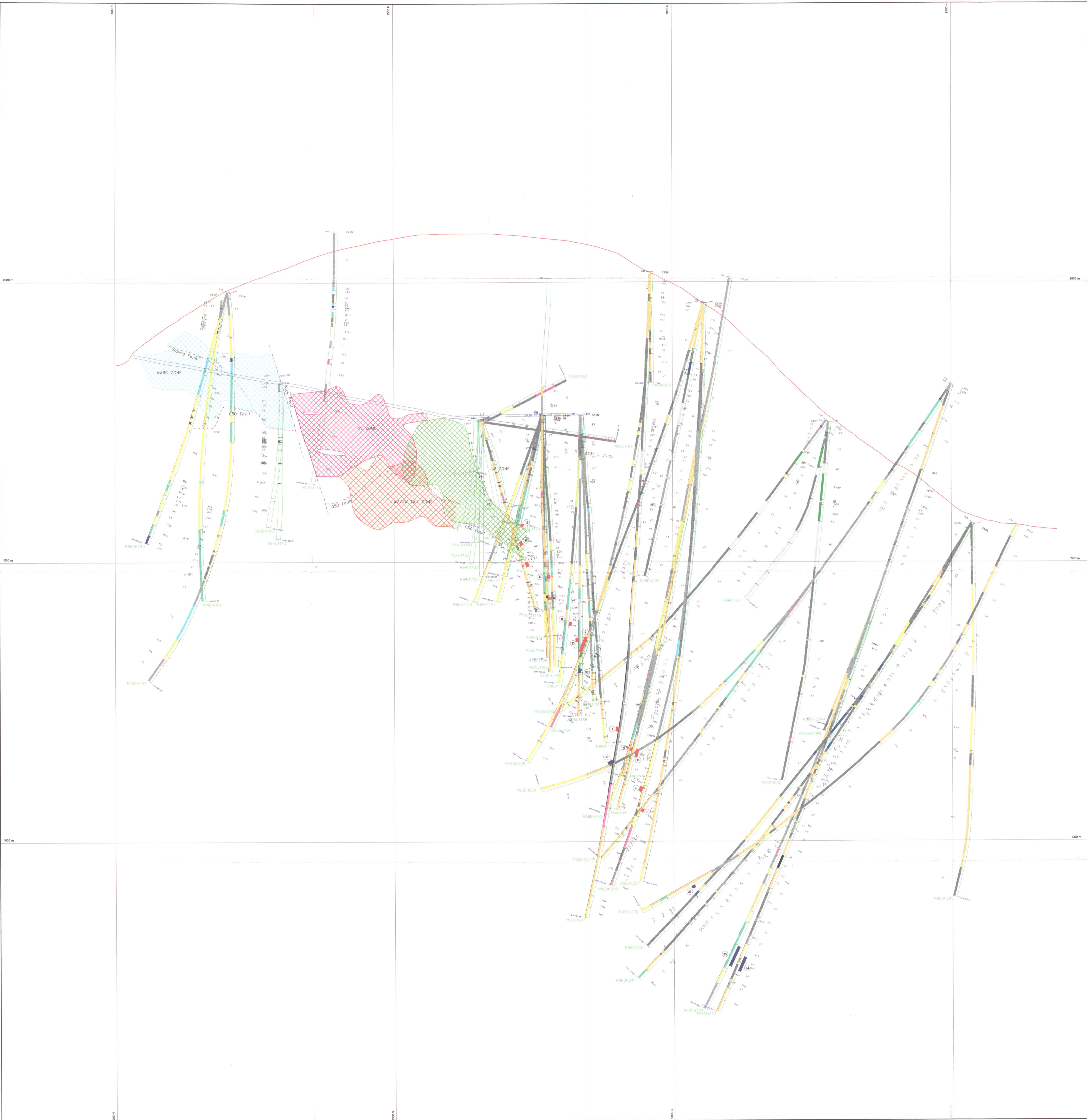


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,947

File Name: \\quartz\d:\data\acaddata\plans\1996\hart dh topo.dwg

 Royal Oak Mines Inc.	
Red Mountain Project	
Composite Diamond Drill Plan Hartley Gulch Area 1996	
Date Drafted 3 Apr 1997	Revised By
Drafted By C. Clarke	N.T.S. Number 103P/13
Date Revised	SCALE 1 : 2500
46	



Legend

- Rock Units**
- TuT - Possible tuff
 - PT - Porphyritic tuff
 - VT - Very fine tuff
 - FT - Massive fine tuff
 - MT - Medium tuff
 - CT - Coarse tuff
 - XVT - Fragmental fine tuff
 - XMT - Fragmental fine tuff or medium tuff
 - XPH - Fragmental felsic hornblende crystal
 - XPHO - Fragmental felsic hornblende quartz porphyry
 - XHP - Fragmental felsic hornblende porphyry
 - PH - Possible rhyolite
 - PHO - Felsic & hornblende crystal
 - PHp - Felsic hornblende porphyry
 - PHOo - Felsic hornblende quartz porphyry
 - PHOo - Felsic hornblende quartz-biotite porphyry
 - PHp - Felsic hornblende biotite porphyry
 - HEC - Hornblende biotite quartz porphyry
 - Bp - Biotite hornblende porphyry
 - LS - Limestone
 - SS - Sandstone
 - WK - Waste
 - CG - Conglomerate
 - DA - Andesite dike
 - BuK - Breccia dike
 - BD - Block dike
 - Dm - Lamprophyre dike
 - DK - Felsic dike
 - GG - Gneiss (proposed?)
 - BKI - Brecciated contact
 - FZ - Fault Zone
 - DM - Subvolcanic dike
- Distance Down Hole**
 0 - 0.3
 0.3 - 1.0
 1.0 - 3.0
 >3.0
- Assay Interval**
 0 - 0.3
 0.3 - 1.0
 1.0 - 3.0
 >3.0
- Drill Hole**
 R94D130 - Drill Hole | EDM-Diamond

Au Intersections

Hole No.	Au gm/t / width (m)
1	227 1.26 gm/t / 5.0m
2	228 3.38 gm/t / 34.8m
3	231 4.61 gm/t / 3.0m
4	236 3.51 gm/t / 8.2m
5	242 6.27 gm/t / 4.0m
6	1164 - 1 7.20 gm/t / 8.2m
7	1149 - 2 6.5 gm/t / 9.0m
8	1164 - 1 2.22 gm/t / 3.0m
9	1164 - 2 2.38 gm/t / 3.0m
10	1168 3.57 gm/t / 3.0m
11	1169 1.49 gm/t / 6.0m
12	1167 0.3 gm/t / 1.0m
13	246 2.63 gm/t / 15.0m
14	1175 9.67 gm/t / 1.4m
15	1139 2.83 gm/t / 2.8m
16	1125 2.86 gm/t / 11.0m
17	1152 4.44 gm/t / 2.0m
18	1153 1.23 gm/t / 2.0m
19	1154 2.76 gm/t / 1.6m
20	1153 1.23 gm/t / 2.0m
21	1153 1.93 gm/t / 6.0m

Massive Py Intersections

Hole No.	Au gm/t / width (m)
31	230 355 Py / 1.1m
32	238 108 Py / 5.3m
33	239 20 - 108 Py / 2.5m
34	232 10 - 108 Py / 28.5m (Au pending)
35	233 5 - 42 Py / 47.0m

Royal Oak Mines Inc.

Red Mountain Project
Composite Long Section
Ho Blanco Area

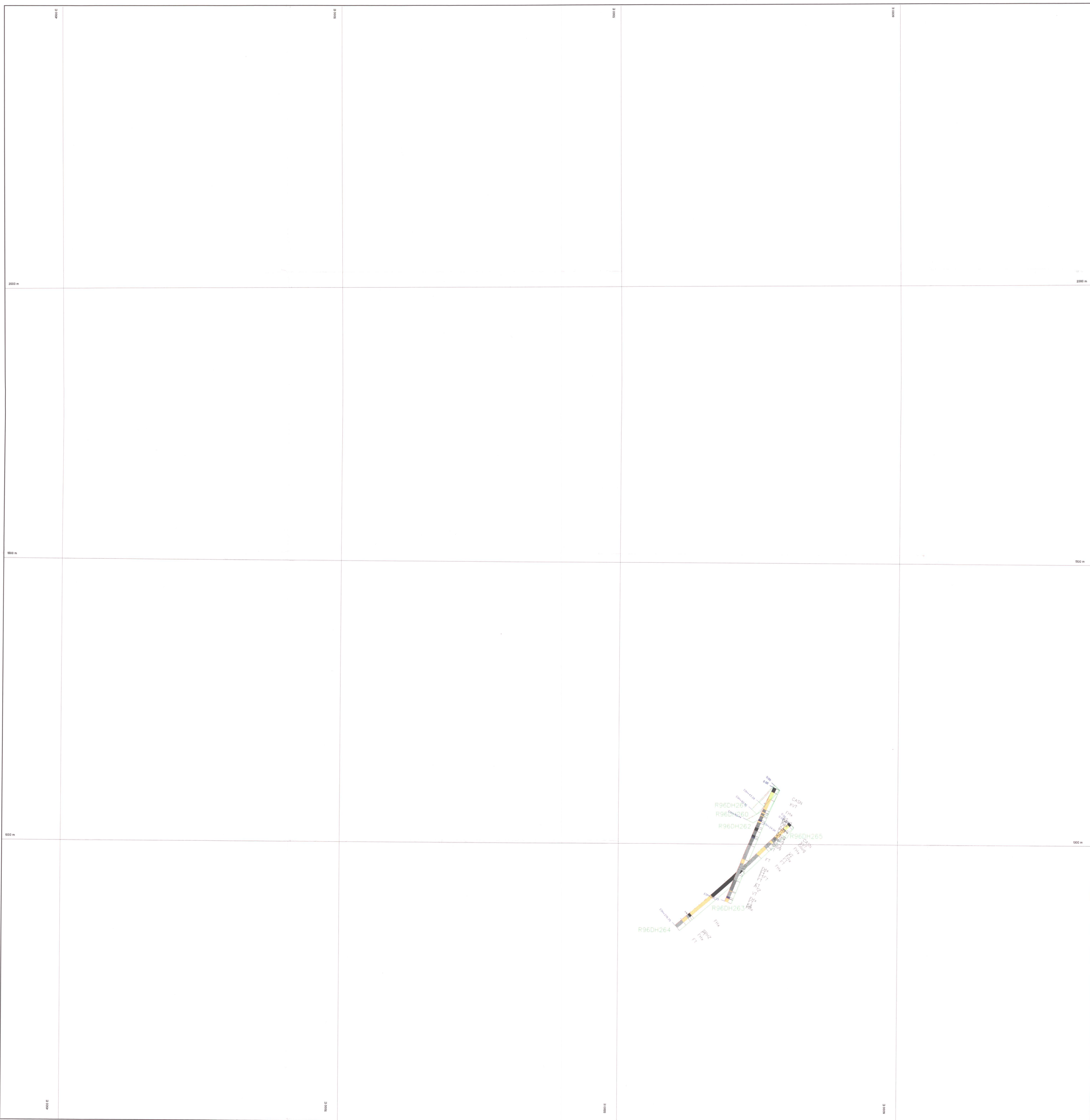
Section 5001 East +/- 2500m Influence

Created by: [Name]
 Checked by: [Name]
 Date: [Date]

SCALE: 1:2000

5

M5



Legend

- Rock Units**
- TuT - Tuffaceous tuff
 - PT - Franciscan tuff
 - VT - Very fine tuff
 - FT - Fossiliferous tuff
 - MT - Medium tuff
 - CT - Coarse tuff
 - XVT - Fragmental very fine tuff
 - XMT - Fragmental fine to medium tuff
 - XFT - Fragmental fossiliferous tuff
 - XFTQ - Fragmental fossiliferous quartz porphyry
 - XFTp - Fragmental fossiliferous porphyry
 - PH - Porphyry
 - PHc - Felsic & hornblende crystal
 - PHp - Felsic hornblende porphyry
 - PHQ - Felsic hornblende quartz porphyry
 - PHQc - Felsic hornblende quartz-biotite porphyry
 - PHQp - Felsic hornblende biotite porphyry
 - HQp - Hornblende biotite quartz porphyry
 - HQc - Hornblende biotite quartz porphyry
 - Bp - Biotite hornblende porphyry
 - LS - Limestone
 - SS - Sandstone
 - SK - Shale
 - CG - Conglomerate
 - DA - Andesite dike
 - BdK - Basaltic dike
 - BD - Basalt dike
 - Dmp - Lamprophyre dike
 - DK - Diorite dike
 - Dg - Gabbro (gabbroite)
 - BdC - Basaltic contact
 - FZ - Fault Zone
 - SuF - Subvolcanic unit
- Scale**
- 0 - 100 m
 - 0 - 200 m
 - 0 - 300 m
 - 0 - 400 m
 - 0 - 500 m
- Drill Hole**
- R96DH230 - Drill Hole
 - SDH-Diamond
- Major Rock Units**
- Sub-Major Rock Units
 - Minor Rock Units
 - Structural Features
 - Other Features

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,947

Royal Oak Mines Inc.

Section	5900 North +/- 200m influence
Scale	1:2500
Map No.	62

100



Legend

- Rock Units**
- TuF - Felsitic tuff
 - PT - Porphyritic tuff
 - VT - Very fine tuff
 - FT - Massive fine tuff
 - MT - Medium tuff
 - CT - Coarse tuff
 - XVT - Fragmental very fine tuff
 - XMT - Fragmental fine tuff or medium tuff
 - XPH - Fragmental felsic hornblende crystal
 - XPHo - Fragmental felsic hornblende quartz porphyry
 - XFP - Fragmental felsic hornblende porphyry
 - PH - Felsite rhy.
 - PHh - Felsite & hornblende crystal
 - PHp - Felsite hornblende porphyry
 - PHCo - Felsite hornblende quartz porphyry
 - PHC - Felsite hornblende quartz-biotite porphyry
 - PHOp - Felsite hornblende biotite porphyry
 - HCo - Hornblende quartz-biotite porphyry
 - HOp - Hornblende biotite quartz porphyry
 - Bp - Biotite hornblende porphyry
 - LS - Limestone
 - SS - Sandstone
 - WK - Arkose
 - CO - Conglomerate
 - DA - Andesite dike
 - BdK - Breccia dike
 - EO - Block dike
 - Dmp - Comagmatic dike
 - DK - Felsite dike
 - DO - Dike (granodiorite?)
 - BCh - Brecciated contact
 - FZ - Fault Zone
 - SW - Sulfide vein

Distance down hole
 0 - 1000
 Distance off section
 (Distance over or under)

Array Interval
 #1 0-1
 #2 1-2
 #3 2-3
 #4 3-4
 #5 4-5

R96DH266 Drill Hole - EDM-Diamond

Major Rock Units
 Sub-Major Rock Units
 Minor Rock Units
 Sulfide veins or Sulfide Interests
 Rock Composites

**GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT**

24,947

Royal Oak Mines Inc.

Red Mountain Project
 Composite Long Section
 Hartley Gulch Area

Section: 6300 North +/- 200m Influence

Created by GEOLOGIC system

Scale: 1:2500

Page: 66

R960H227

From	To	Rock Type	Sample No	Au Fire	Ag	As	Cu	Mo	Pb	Zn	Mg %	Mi	V
12.5	14.0	FHx	16	0.10	-0.2	-5	267	7	16	50	1.87	3	140
22.0	23.0	FHx	17	-0.03	-0.2	-5	202	3	4	28	1.41	1	124
27.0	28.0	FHx	18	-0.03	-0.2	-5	355	2	4	35	1.51	2	111
40.5	42.0	FHx	19	0.27	0.4	35	281	6	12	64	1.89	237	144
42.0	43.0	FHx	20	4.29	1.0	155	434	8	8	61	2.21	299	111
43.0	44.0	FHx	21	0.05	-0.2	45	148	3	16	64	3.39	145	146
44.0	45.0	FHx	22	-0.03	-0.2	25	137	8	-2	55	4.52	145	171
45.0	46.0	FHx	23	0.28	2.6	290	849	9	16	95	4.35	255	165
46.0	47.0	FHx	24	0.75	1.0	190	232	7	26	94	4.16	174	181
47.0	48.0	FHx	25	0.36	0.6	85	172	4	-2	53	3.58	121	160
48.0	49.0	BT	26	2.23	-0.2	30	912	11	-2	74	2.05	480	140
49.0	50.0	BT	27	1.24	1.4	175	725	11	2	236	2.38	93	102
50.0	51.5	BT	28	0.19	-0.2	65	130	10	-2	32	1.89	76	125
54.6	55.6	BT	29	0.38	0.8	10	817	8	-2	46	2.25	70	171
55.6	56.7	BT	30	0.67	3.2	3245	211	12	2	34	1.56	71	86
62.1	63.6	BT	31	-0.03	0.6	160	84	6	32	118	2.39	53	87
63.6	64.7	FHx	32	-0.03	0.6	165	58	7	10	109	5.04	196	166
64.7	65.9	FHx	33	-0.03	1.2	30	116	4	8	41	2.11	6	17
65.9	67.4	FHx	34	-0.03	0.6	15	92	4	6	96	1.69	4	107
88.6	89.6	FHx	35	-0.03	1.8	50	253	5	10	39	2.39	4	19
141.0	142.0	Goug	36	-0.03	1.0	5	91	6	4	70	1.23	15	24
142.0	143.0	BT	37	-0.03	1.2	125	193	8	44	179	2.51	62	113
143.0	144.0	BT	38	-0.03	0.4	85	113	6	40	170	2.29	47	149
159.3	160.3	BT	39	-0.03	-0.2	10	65	-1	-2	26	1.01	79	85
160.3	161.3	BT	40	-0.03	-0.2	-5	184	-1	8	52	1.15	103	85
187.0	188.0	BT	41	-0.03	-0.2	-5	27	1	2	27	1.61	112	93
218.0	219.0	BT	42	-0.03	-0.2	10	21	2	4	32	2.03	94	98
237.0	238.0	BT	43	-0.03	-0.2	-5	40	-1	2	22	1.43	127	86
251.0	252.2	BT	44	-0.03	-0.2	-5	86	1	-2	25	1.98	75	74
252.2	253.5	BT	45	-0.03	-0.2	100	228	2	4	41	2.78	137	123
253.5	254.5	BT	46	-0.03	-0.2	35	139	-1	4	32	2.60	93	142
258.0	259.0	BT	47	-0.03	-0.2	10	168	2	4	26	1.91	83	107
259.0	260.0	BT	48	-0.03	-0.2	55	50	2	10	23	1.73	139	102
260.0	261.0	BT	49	-0.03	-0.2	10	10	-1	4	26	1.72	78	146
276.5	277.5	BT	50	-0.03	-0.2	-5	37	1	6	26	2.85	110	153
277.5	278.5	BT	51	-0.03	-0.2	-5	64	1	6	25	2.73	92	163
278.5	279.5	BT	52	-0.03	-0.2	-5	112	2	8	19	2.40	122	146
337.5	338.0	BT	53	-0.03	-0.2	35	255	4	-2	25	2.79	138	179
339.0	340.0	BT	54	-0.03	-0.2	-5	66	2	-2	20	2.22	63	165
340.0	341.0	BT	55	-0.03	-0.2	-5	294	3	2	23	2.12	144	123
341.0	342.0	BT	56	-0.03	-0.2	-5	161	3	-2	22	2.39	100	146
342.0	343.5	BT	57	-0.03	-0.2	-5	95	4	-2	19	2.05	84	141
381.5	382.5	XBT	58	-0.03	-0.2	-5	153	3	-2	21	1.84	94	104
389.0	390.0	MT	59	-0.03	-0.2	-5	18	-1	-2	17	2.14	59	84
393.8	394.8	MT	60	-0.03	-0.2	-5	274	3	-2	21	1.23	126	81
419.0	420.0	MT	61	-0.03	-0.2	-5	138	-1	-2	13	1.13	101	81
438.6	440.0	BT	62	-0.03	-0.2	-5	104	-1	-2	11	1.68	132	123
456.5	457.5	BT	63	-0.03	-0.2	-5	99	-1	-2	49	2.09	72	117
468.0	469.0	BT	64	-0.03	-0.2	-5	104	-1	-2	16	1.92	114	124
492.0	493.0	BT	65	-0.03	-0.2	-5	77	1	-2	9	1.18	114	76
493.0	494.0	BT	66	-0.03	-0.2	-5	76	2	-2	11	1.34	112	88
494.0	495.0	BT	67	-0.03	-0.2	-5	104	1	-2	17	2.01	77	118
495.0	496.0	BT	68	-0.03	-0.2	-5	85	8	-2	10	1.34	47	104

From	To	Rock Type	Sample No	Au	Fire	Ag	As	Cu	Mo	Pb	Zn	Mg %	NI	V
508.5	510.0	FT	69	-0.03	-0.2	-5	68	4	-2	12	1.70	12	138	
510.0	511.0	FT	70	-0.03	-0.2	-5	76	3	-2	10	1.79	15	132	
511.0	512.0	FT	71	-0.03	-0.2	-5	100	-1	-2	15	2.36	12	169	
534.5	535.5	FT	72	0.04	-0.2	15	47	9	-2	6	1.21	144	53	
566.0	567.0	FHx	73	-0.03	-0.2	20	290	3	-2	12	1.55	11	124	
567.0	568.0	FHx	74	-0.03	-0.2	45	314	3	-2	16	1.96	8	128	
568.0	569.0	FHx	75	-0.03	-0.2	-5	129	-1	-2	14	2.03	7	131	
588.0	589.0	FHx	76	-0.03	-0.2	-5	115	2	-2	16	2.08	5	149	
608.0	609.0	FHx	77	-0.03	-0.2	35	55	2	-2	18	2.64	100	171	
622.0	623.0	FHx	78	-0.03	-0.2	-5	115	4	-2	14	2.89	99	184	
623.0	624.5	FHx	79	-0.03	-0.2	10	70	4	-2	15	2.22	59	108	
624.5	626.0	FHx	80	-0.03	-0.2	-5	123	1	-2	29	3.70	25	249	
626.0	627.0	FHx	81	-0.03	-0.2	-5	64	-1	-2	20	3.06	16	188	
627.0	628.0	FHx	82	-0.03	-0.2	25	54	4	108	103	2.12	24	82	
628.0	629.0	FHx	83	-0.03	-0.2	15	84	2	52	96	1.96	31	62	
629.0	630.0	FHx	84	-0.03	-0.2	10	54	2	8	60	2.36	16	111	
630.0	631.0	FHx	85	-0.03	-0.2	45	111	4	18	63	2.60	15	100	
631.0	632.0	FHx	86	-0.03	-0.2	-5	98	3	2	27	1.97	15	110	
632.0	633.0	FHx	87	-0.03	-0.2	5	201	6	4	29	3.00	30	150	
633.0	634.0	FHx	88	-0.03	-0.2	-5	152	4	-2	24	2.79	43	152	
634.0	635.0	XFHx	89	-0.03	-0.2	15	83	3	2	26	2.58	71	133	
635.0	636.0	FHx	90	-0.03	-0.2	35	139	3	4	64	2.43	20	128	
636.0	637.0	FHx	91	0.04	-0.2	20	123	2	4	25	2.64	21	143	
637.0	638.3	FHx	92	0.03	-0.2	35	147	3	4	31	3.10	35	164	
638.3	639.3	VT	93	-0.03	-0.2	-5	84	7	6	25	2.07	79	128	
639.3	640.3	FHx	94	-0.03	-0.2	-5	58	-1	-2	19	2.51	48	170	
640.3	641.3	FHx	95	-0.03	-0.2	-5	46	-1	6	16	2.61	30	165	
641.3	642.3	FHx	96	-0.03	-0.2	-5	38	-1	4	19	3.07	28	178	
642.3	643.3	VT	97	-0.03	-0.2	15	34	-1	6	12	1.66	58	80	
643.3	644.3	VT	98	-0.03	-0.2	-5	40	-1	4	13	1.41	71	73	
644.3	645.3	VT	99	-0.03	-0.2	5	61	-1	4	16	1.68	83	113	
645.3	646.4	VT	100	-0.03	-0.2	10	34	2	6	17	2.41	72	172	
646.4	648.0	FHx	101	-0.03	-0.2	15	84	2	8	24	2.42	22	145	
648.0	649.0	FHx	102	-0.03	-0.2	-5	93	3	6	11	1.26	41	73	
649.0	650.0	FHx	103	-0.03	-0.2	-5	63	-1	8	22	2.01	19	130	
650.0	651.0	FHx	104	-0.03	-0.2	-5	93	-1	4	20	1.97	21	152	
651.0	652.0	FHx	105	-0.03	-0.2	15	57	-1	4	22	1.81	14	133	
652.0	653.0	FHx	106	-0.03	-0.2	-5	74	-1	6	21	1.68	20	105	
653.0	654.0	FHx	107	-0.03	-0.2	-5	54	-1	4	20	1.97	16	133	
654.0	655.0	FHx	108	-0.03	-0.2	-5	57	-1	8	23	1.89	16	135	
655.0	656.0	FHx	109	-0.03	-0.2	-5	66	-1	6	27	2.06	30	159	
656.0	657.0	FHx	110	-0.03	-0.2	-5	66	-1	8	28	2.05	14	146	
657.0	658.0	FHx	111	-0.03	-0.2	-5	59	-1	6	25	1.98	10	141	
658.0	659.0	FHx	112	-0.03	-0.2	-5	63	-1	8	21	2.37	17	156	
659.0	660.1	FHx	113	-0.03	-0.2	10	60	6	26	82	2.10	20	70	
660.1	661.0	VT	114	-0.03	-0.2	10	14	8	10	12	1.26	23	16	
661.0	662.0	VT	115	-0.03	-0.2	10	5	10	2	5	1.38	19	26	
662.0	663.0	VT	116	-0.03	-0.2	10	10	9	4	7	2.83	35	60	
663.0	664.0	VT	117	0.03	-0.2	30	2	4	4	7	2.99	52	99	
664.0	665.0	VT	118	-0.03	-0.2	60	45	8	-2	6	1.99	103	56	
665.0	666.0	VT	119	-0.03	-0.2	55	22	2	30	9	2.24	77	76	
666.0	667.0	VT	120	-0.03	-0.2	55	32	8	6	19	2.18	109	88	
667.0	668.0	VT	121	-0.03	-0.2	30	22	2	10	23	2.62	103	87	

From	To	Rock Type	Sample No	Al	Ag	As	Cu	Mo	Pb	Zn	Mg %	Ni	V
668.0	669.0	VT	122	-0.03	-0.2	65	26	5	6	22	2.28	106	97
669.0	670.0	VT	123	-0.03	-0.2	65	92	3	8	22	2.14	205	112
670.0	671.0	VT	124	-0.03	-0.2	-5	30	-1	-2	16	2.56	85	132
671.0	671.9	VT	125	-0.03	-0.2	35	54	3	6	16	2.32	134	130
671.9	673.0	FHx	126	-0.03	-0.2	10	20	9	56	282	1.98	35	57
673.0	674.0	FHx	127	-0.03	0.4	20	55	3	10	71	2.25	21	95
674.0	675.0	FHx	128	-0.03	-0.2	65	169	5	20	66	3.21	39	164
675.0	676.0	FHx	129	-0.03	-0.2	50	288	6	32	103	2.39	12	219
676.0	677.0	FHx	130	-0.03	1.2	60	214	5	254	627	2.52	8	221
677.0	678.0	FHx	131	-0.03	-0.2	40	192	4	66	171	2.66	7	219
678.0	679.0	FHx	132	-0.03	-0.2	95	258	6	54	138	2.52	12	225
679.0	680.0	FHx	133	-0.03	0.4	120	267	5	100	258	2.52	14	220
680.0	681.0	FHx	134	-0.03	-0.2	30	346	5	16	54	2.18	9	245
681.0	682.0	FHx	135	-0.03	-0.2	30	355	4	22	75	2.46	8	283
682.0	683.0	FHx	136	-0.03	-0.2	20	319	4	12	51	2.26	11	249
683.0	684.0	FHx	137	-0.03	-0.2	35	314	5	10	47	2.22	10	256
684.0	685.0	FHx	138	-0.03	-0.2	25	293	4	10	46	2.34	8	255
685.0	686.0	FHx	139	-0.03	-0.2	25	276	5	8	44	2.53	8	262
686.0	687.0	FHx	140	-0.03	-0.2	40	350	6	10	50	2.46	11	254
687.0	688.0	FHx	141	-0.03	-0.2	60	413	7	20	62	2.48	11	276
688.0	689.0	FHx	142	-0.03	-0.2	35	356	4	14	56	2.46	6	217
689.0	690.0	FHx	143	-0.03	-0.2	55	278	5	24	64	2.98	6	290
690.0	691.0	FHx	144	-0.03	-0.2	45	294	4	16	48	2.31	9	276
691.0	692.0	FHx	145	-0.03	-0.2	25	311	5	12	43	1.90	10	228
692.0	693.0	FHx	146	-0.03	-0.2	15	323	3	12	47	1.94	7	225
693.0	694.0	FHx	147	-0.03	-0.2	25	358	4	20	55	2.21	8	232
694.0	695.0	FHx	148	-0.03	-0.2	30	305	2	16	50	2.27	8	206
695.0	696.0	FHx	149	-0.03	-0.2	10	253	3	12	47	2.21	9	234
696.0	697.0	FHx	150	-0.03	-0.2	150	248	5	58	155	2.46	7	198
697.0	698.0	FHx	151	-0.03	-0.2	110	288	5	46	172	2.53	5	170
698.0	699.0	FHx	152	-0.03	-0.2	25	232	4	16	64	2.62	7	171
699.0	700.0	FHx	153	-0.03	-0.2	20	214	6	24	83	2.33	7	168
700.0	701.0	FHx	154	-0.03	-0.2	15	215	5	12	96	2.26	9	147
701.0	702.0	FHx	155	-0.03	-0.2	30	211	3	24	152	2.33	9	171
702.0	703.0	FHx	156	-0.03	-0.2	25	188	3	26	126	2.37	7	216
703.0	704.0	FHx	157	-0.03	-0.2	10	157	4	-2	40	2.85	7	203
704.0	705.0	FHx	158	-0.03	0.6	100	247	5	110	114	2.99	9	181
705.0	706.0	FHx	159	-0.03	-0.2	50	173	4	36	193	2.72	8	180
706.0	707.0	FHx	160	-0.03	-0.2	30	193	6	28	138	3.08	8	208
707.0	708.0	FHx	161	-0.03	-0.2	115	154	6	36	109	2.83	7	224
708.0	709.0	FHx	162	-0.03	-0.2	20	192	4	2	38	2.54	8	175
709.0	710.0	FHx	163	-0.03	1.6	65	138	7	10	38	2.89	7	109
710.0	711.0	FHx	164	-0.03	1.2	225	184	6	142	272	2.50	7	152
711.0	712.0	FHx	165	-0.03	0.6	70	282	7	60	283	2.86	8	233
712.0	713.0	FHx	166	-0.03	-0.2	25	170	4	8	71	3.27	7	241
713.0	714.0	FHx	167	-0.03	-0.2	115	193	2	8	77	3.60	23	214
714.0	715.0	FHx	168	-0.03	-0.2	410	154	5	14	63	2.94	23	171
715.0	716.0	FHx	169	-0.03	-0.2	240	131	5	4	43	3.38	24	219
716.0	717.0	FHx	170	-0.03	-0.2	20	125	2	2	37	3.21	6	270
717.0	718.0	FHx	171	-0.03	-0.2	60	235	2	12	49	3.07	6	281
718.0	719.0	FHx	172	-0.03	-0.2	15	153	5	2	37	2.70	9	280
719.0	720.0	FHx	173	-0.03	-0.2	50	368	4	6	44	2.65	8	264
720.0	721.0	FHx	174	-0.03	-0.2	60	170	4	12	40	2.24	7	228

From	To	Rock Type	Sample No	Au Fire	Ag	As	Cu	Mo	Pb	Zn	Mg %	Mn	V
721.0	722.0	FHx	175	-0.03	-0.2	65	171	3	4	43	2.78	7	268
722.0	723.0	FHx	176	-0.03	-0.2	55	151	2	10	60	3.03	6	273
723.0	724.0	FHx	177	-0.03	-0.2	10	210	5	18	59	2.77	11	261
724.0	725.0	FHx	178	-0.03	-0.2	15	113	5	8	42	2.39	7	224
725.0	726.0	FHx	179	-0.03	-0.2	-5	182	3	6	34	2.37	10	205
726.0	727.0	FHx	180	-0.03	-0.2	25	190	2	12	49	3.03	6	259
727.0	728.0	FHx	181	-0.03	-0.2	20	229	2	4	34	2.52	5	249
728.0	729.0	FHx	182	-0.03	-0.2	40	156	4	14	35	2.38	5	247
729.0	730.0	FHx	183	-0.03	-0.2	75	219	7	18	46	2.23	9	258
730.0	731.0	FHx	184	-0.03	-0.2	70	291	6	30	94	2.23	9	234
731.0	732.0	FHx	185	0.47	-0.2	1730	275	6	6	42	2.33	13	258
732.0	733.0	FHx	186	-0.03	-0.2	80	206	6	36	66	2.54	9	287
733.0	734.0	FHx	187	0.14	-0.2	305	262	7	10	46	2.78	10	260
734.0	735.0	FHx	188	0.03	-0.2	480	382	4	8	67	2.60	6	238
735.0	736.0	FHx	189	0.11	-0.2	60	301	7	14	78	2.42	10	251
736.0	737.0	FHx	190	0.37	-0.2	205	376	5	32	69	3.20	9	237
737.0	738.0	FHx	191	0.07	-0.2	80	775	4	12	40	3.59	7	272
738.0	739.0	FHx	192	-0.03	0.2	40	370	7	18	64	3.25	9	233
739.0	740.0	FHx	193	-0.03	0.4	340	328	5	12	42	2.04	5	213
740.0	741.0	FHx	194	-0.03	-0.2	25	304	7	20	56	2.54	8	282
741.0	742.0	FHx	195	-0.03	-0.2	25	325	4	12	41	2.30	7	230
742.0	743.0	FHx	196	-0.03	-0.2	25	243	5	14	40	2.14	6	228
743.0	744.0	FHx	197	-0.03	-0.2	30	256	4	14	41	2.20	7	241
744.0	745.0	FHx	198	-0.03	-0.2	145	228	4	8	33	2.15	6	232
745.0	746.0	FHx	199	0.03	-0.2	1135	376	7	10	37	1.66	7	238
746.0	747.0	FHx	200	0.06	-0.2	3540	565	7	12	36	1.72	9	251
747.0	748.0	FHx	201	0.35	-0.2	14000	486	10	22	53	2.65	15	264
748.0	749.0	FHx	202	0.10	-0.2	4955	394	7	14	50	2.60	14	264
749.0	750.0	FHx	203	-0.03	-0.2	160	215	2	10	36	2.14	5	236
750.0	751.0	FHx	204	-0.03	-0.2	170	277	6	12	42	2.53	10	242
751.0	752.0	FHx	205	-0.03	-0.2	100	366	2	12	40	2.55	7	278
752.0	753.0	FHx	206	-0.03	-0.2	175	426	4	12	39	2.26	8	274
753.0	754.0	FHx	207	0.15	9.2	200	191	4	676	1316	2.16	4	91
754.0	755.0	FHx	208	0.04	-0.2	25	194	2	-2	31	2.31	6	203
755.0	756.0	FHx	209	0.04	-0.2	20	231	4	-2	44	2.86	6	283
756.0	757.0	FHx	210	0.03	-0.2	25	252	4	-2	35	2.55	6	275
757.0	758.0	FHx	211	0.22	-0.2	40	296	4	-2	28	2.82	10	284
758.0	759.0	FHx	212	0.06	-0.2	205	319	4	-2	30	2.77	12	267
759.0	760.0	FHx	213	-0.03	-0.2	15	174	3	-2	27	2.85	5	231
760.0	761.0	FHx	214	-0.03	-0.2	10	163	6	84	121	3.10	7	256
761.0	762.0	FHx	215	-0.03	-0.2	35	246	7	-2	32	3.09	7	263
762.0	763.0	FHx	216	-0.03	-0.2	35	204	4	-2	31	3.09	36	199
763.0	764.0	FHx	217	0.03	-0.2	125	197	5	-2	28	3.06	69	151
764.0	765.0	VT	218	-0.03	-0.2	50	144	3	-2	28	2.45	117	157
765.0	766.0	VT	219	-0.03	-0.2	30	64	2	-2	25	2.17	75	165
766.0	767.0	VT	220	-0.03	-0.2	40	84	-1	-2	25	2.57	77	153
767.0	768.0	VT	221	-0.03	-0.2	10	53	1	-2	24	2.12	29	117
768.0	769.0	VT	222	-0.03	-0.2	10	65	-1	-2	18	1.51	43	76
769.0	770.0	VT	223	-0.03	-0.2	25	62	1	-2	22	1.87	66	110
770.0	771.0	VT	224	-0.03	-0.2	30	67	1	-2	18	1.56	84	80
771.0	772.0	VT	225	-0.03	-0.2	30	53	-1	-2	22	2.06	64	129
772.0	773.0	VT	226	0.17	-0.2	1215	80	2	-2	26	2.07	84	117
773.0	774.0	VT	227	-0.03	-0.2	170	125	3	-2	33	2.56	121	149

From	To	Rock Type	Sample No	Al	Pi	Ag	As	Cu	Mo	Pb	Zn	Mg %	Ni	V
774.0	775.0	VT	228	-0.03	-0.2	185	88	2	-2	29	2.08	118	142	
775.0	776.0	VT	229	-0.03	-0.2	95	68	2	-2	25	2.20	92	152	
776.0	777.0	VT	230	-0.03	-0.2	70	51	2	-2	25	2.33	97	125	
777.0	778.0	VT	231	-0.03	-0.2	130	71	-1	-2	24	2.30	71	120	
778.0	779.0	VT	232	-0.03	-0.2	15	62	-1	-2	29	2.33	94	121	
779.0	780.0	VT	233	-0.03	-0.2	10	63	-1	-2	59	1.52	75	72	
780.0	781.0	VT	234	0.04	-0.2	5	83	-1	-2	36	1.30	95	89	
781.0	782.0	VT	235	-0.03	-0.2	15	65	2	-2	29	1.89	95	126	
782.0	783.0	VT	236	-0.03	-0.2	20	79	-1	-2	87	1.45	86	70	
783.0	784.0	VT	237	-0.03	-0.2	20	106	2	2	25	1.46	132	76	
784.0	785.0	VT	238	-0.03	-0.2	60	78	2	-2	30	2.65	90	126	
785.0	786.0	VT	239	-0.03	-0.2	40	51	3	-2	28	2.53	107	161	
786.0	787.0	VT	240	-0.03	-0.2	20	24	1	-2	37	2.53	69	158	
787.0	788.0	VT	241	-0.03	-0.2	20	78	3	-2	33	2.83	50	150	
788.0	789.0	VT	242	-0.03	-0.2	35	97	3	-2	17	1.59	42	92	
789.0	790.0	VT	243	0.05	-0.2	15	60	3	-2	16	1.61	37	104	
790.0	791.0	VT	244	0.17	-0.2	35	63	2	-2	15	1.15	66	73	
791.0	792.0	VT	245	-0.03	-0.2	40	86	2	-2	15	1.42	106	65	
792.0	793.0	VT	246	0.03	-0.2	30	66	3	-2	24	2.17	91	118	
793.0	794.0	VT	247	0.05	-0.2	35	38	2	-2	18	1.27	75	67	
794.0	795.0	VT	248	0.03	-0.2	50	53	2	-2	18	1.28	89	64	
795.0	796.0	VT	249	-0.03	-0.2	20	36	1	-2	19	1.47	56	101	
796.0	797.0	VT	250	0.07	-0.2	50	72	2	-2	21	1.72	94	75	
797.0	798.0	FT	251	0.10	-0.2	60	80	3	-2	26	2.03	108	78	
798.0	799.0	FT	252	0.13	-0.2	290	112	3	-2	26	2.02	115	82	
799.0	800.0	FT	253	0.11	-0.2	550	116	3	-2	27	2.33	86	104	
800.0	801.0	FT	254	0.38	-0.2	55	95	3	-2	39	3.00	104	151	
801.0	802.0	FT	255	-0.03	-0.2	50	83	3	6	22	2.32	140	120	
802.0	803.0	FT	256	-0.03	-0.2	30	60	3	4	23	2.64	122	130	
803.0	804.0	FT	257	-0.03	-0.2	20	134	5	4	47	3.18	87	150	
804.0	805.0	FT	258	-0.03	-0.2	35	138	10	2	53	2.85	87	118	
805.0	806.0	FT	259	-0.03	-0.2	60	162	4	-2	48	3.42	102	165	
806.0	807.0	FT	260	-0.03	-0.2	35	79	3	4	24	2.83	101	156	
807.0	808.0	FT	261	-0.03	-0.2	60	147	5	4	37	3.33	133	139	
808.0	809.0	FT	262	-0.03	-0.2	95	161	4	4	35	3.80	123	158	
809.0	810.0	FT	263	-0.03	0.2	45	47	3	-2	18	2.19	61	92	
810.0	811.0	VT	264	-0.03	-0.2	10	195	6	4	31	3.72	118	178	
811.0	812.0	VT	265	-0.03	-0.2	5	172	5	6	24	3.07	120	161	
812.0	813.0	VT	266	0.07	-0.2	15	159	5	6	23	3.07	124	153	
813.0	814.0	VT	267	0.19	-0.2	25	165	4	8	25	3.33	133	145	
814.0	815.0	VT	268	0.20	-0.2	10	122	5	6	26	3.32	103	174	
815.0	816.0	VT	269	-0.03	-0.2	25	163	3	8	26	3.30	84	183	
816.0	817.0	VT	270	0.12	-0.2	10	205	4	6	27	2.16	118	109	
817.0	818.0	VT	271	-0.03	-0.2	25	134	5	10	27	3.39	111	185	
818.0	819.0	VT	272	0.06	-0.2	30	235	5	10	28	3.31	111	202	
819.0	820.0	VT	273	0.17	-0.2	10	94	4	10	27	2.94	110	130	
820.0	821.0	VT	274	-0.03	-0.2	10	141	5	10	24	2.44	141	125	
821.0	822.0	VT	275	0.03	-0.2	-5	80	1	10	24	2.50	122	138	
822.0	823.0	VT	276	0.03	-0.2	-5	82	3	10	23	2.36	117	125	
823.0	824.0	VT	277	-0.03	-0.2	25	102	5	8	24	2.53	133	158	
824.0	825.0	VT	278	-0.03	-0.2	20	57	3	12	20	2.17	98	129	
825.0	826.0	VT	279	-0.03	-0.2	10	53	2	10	18	1.89	82	143	
826.0	827.0	VT	280	0.04	-0.2	25	151	3	24	25	2.43	136	153	

From	To	Rock Type	Sample No	As	Ag	Au	Cu	Mo	Pb	Zn	Mg #	NI	V
827.0	828.0	VT	281	0.08	-0.2	20	83	4	10	24	2.80	108	158
828.0	829.0	VT	282	-0.03	-0.2	25	113	4	10	26	2.86	121	190
829.0	830.0	VT	283	-0.03	-0.2	35	68	2	12	22	2.22	103	147
830.0	831.0	VT	284	0.12	-0.2	30	66	3	8	22	2.28	100	135
831.0	832.0	VT	285	-0.03	-0.2	-5	68	3	10	20	2.08	108	102
832.0	833.0	VT	286	-0.03	-0.2	-5	96	3	10	17	1.49	108	69
833.0	834.0	VT	287	-0.03	-0.2	5	79	3	10	19	1.71	114	83
834.0	835.0	VT	288	-0.03	-0.2	-5	92	2	-2	16	1.99	103	116
835.0	836.0	VT	289	-0.03	-0.2	-5	58	-1	2	15	1.97	73	110
836.0	837.0	VT	290	-0.03	-0.2	-5	58	-1	-2	18	2.63	83	138
837.0	838.0	VT	291	-0.03	-0.2	25	111	3	-2	27	3.60	134	179
838.0	839.0	VT	292	-0.03	-0.2	15	79	2	4	22	2.99	120	168
839.0	840.0	VT	293	-0.03	-0.2	5	80	-1	-2	22	3.25	108	156
840.0	841.0	VT	294	-0.03	-0.2	20	87	2	4	19	2.58	139	144
841.0	842.0	VT	295	-0.03	-0.2	5	64	-1	-2	23	2.30	62	162
842.0	843.0	VT	296	-0.03	-0.2	5	76	-1	4	23	2.87	74	201
843.0	844.0	VT	297	-0.03	-0.2	15	88	1	6	20	2.51	109	155
844.0	845.0	VT	298	-0.03	-0.2	45	67	2	6	18	2.56	109	130
845.0	846.0	VT	299	-0.03	-0.2	15	59	1	4	27	4.44	104	163
846.2	847.0	VT	300	-0.03	-0.2	60	215	2	8	23	3.78	130	169
847.0	848.0	VT	301	-0.03	-0.2	25	179	3	12	24	3.81	132	159
848.0	849.0	VT	302	-0.03	-0.2	50	153	2	6	24	3.22	154	142
849.0	850.0	VT	303	-0.03	-0.2	30	191	-1	10	25	2.90	110	146
850.0	851.0	VT	304	-0.03	-0.2	20	118	1	12	31	3.24	134	171
851.0	852.0	VT	305	-0.03	-0.2	20	96	-1	12	26	2.88	147	115
852.0	853.0	VT	306	-0.03	-0.2	10	88	-1	16	26	3.24	138	135
853.0	854.0	VT	307	-0.03	-0.2	10	132	-1	14	22	2.65	143	102
854.0	855.0	VT	308	-0.03	-0.2	15	85	-1	14	22	2.95	124	112
855.0	856.0	VT	309	-0.03	-0.2	20	111	1	14	35	3.80	118	167
856.0	857.0	VT	310	-0.03	-0.2	35	182	2	16	28	3.08	110	147
857.0	858.0	VT	311	-0.03	-0.2	65	145	-1	16	31	3.48	102	148
858.0	859.0	VT	312	-0.03	-0.2	95	222	1	18	46	3.40	134	158
859.0	860.0	VT	313	-0.03	-0.2	60	180	1	24	35	3.45	109	163
860.0	861.0	VT	314	-0.03	-0.2	30	87	-1	24	41	3.67	146	175
861.0	862.0	VT	315	-0.03	-0.2	20	147	-1	22	41	3.37	100	173
862.0	863.0	VT	316	-0.03	-0.2	45	130	1	24	46	3.82	121	152
863.0	864.0	VT	317	-0.03	-0.2	105	148	1	34	98	3.77	113	146
864.0	865.0	VT	318	-0.03	-0.2	60	119	2	40	62	3.63	130	186
865.0	866.0	VT	319	-0.03	-0.2	85	120	4	26	56	3.75	86	218
866.0	867.5	VT	320	-0.03	-0.2	70	151	2	22	41	3.98	115	171
867.5	869.0	VT	321	-0.03	-0.2	35	195	3	18	39	4.45	140	181
869.0	870.0	VT	322	-0.03	-0.2	-5	112	-1	18	45	3.54	81	159
870.0	871.0	VT	323	-0.03	-0.2	50	126	1	-2	30	4.21	124	145
871.0	872.0	VT	324	-0.03	-0.2	30	118	2	-2	45	3.86	114	126
872.0	873.0	VT	325	-0.03	-0.2	-5	105	1	-2	24	3.95	110	118
873.0	874.0	VT	326	-0.03	-0.2	120	145	-1	-2	38	3.48	115	141
874.0	875.0	VT	327	-0.03	-0.2	395	89	2	6	46	2.68	90	137
875.0	876.2	VT	328	-0.03	-0.2	90	78	1	16	47	3.05	75	140
876.2	877.0	FT	329	-0.03	-0.2	160	124	2	8	29	2.89	104	158
877.0	878.0	FT	330	-0.03	-0.2	45	206	-1	6	25	2.28	102	131
878.0	879.0	FT	331	-0.03	-0.2	55	109	1	-2	33	3.30	117	159
879.0	880.0	FT	332	-0.03	-0.2	60	135	2	-2	40	3.72	112	186
880.0	881.0	FT	333	-0.03	-0.2	10	183	2	-2	28	3.42	119	178

From	To	Rock Type	Sample No	Au Fire	Ag	Ka	Cu	Mg	Pb	Zn	Mg %	Ni	V
881.0	882.0	FT	334	-0.03	-0.2	10	137	2	-2	27	3.24	130	200
882.0	883.2	FT	335	-0.03	-0.2	15	133	2	-2	27	2.95	118	180
883.2	884.0	FT	336	-0.03	-0.2	85	207	-1	4	28	2.82	125	118
884.0	885.0	FT	337	-0.03	-0.2	55	160	6	4	33	3.64	104	154
885.0	886.0	FT	338	-0.03	-0.2	15	289	2	-2	40	4.32	124	176
886.0	887.0	FT	339	-0.03	-0.2	45	203	3	4	40	3.80	99	184
887.0	888.0	FT	340	-0.03	-0.2	85	246	2	8	25	3.00	146	155
888.0	889.0	FT	341	-0.03	-0.2	35	154	2	6	23	2.73	102	144
889.0	890.0	FT	342	-0.03	-0.2	70	267	5	12	28	2.75	81	136
890.0	891.0	FT	343	-0.03	-0.2	155	507	6	10	42	2.58	119	111
891.0	892.0	FT	344	-0.03	-0.2	75	107	4	10	51	2.68	136	113
892.0	893.0	FT	345	-0.03	0.4	40	121	5	20	54	2.50	129	102
893.0	894.0	FT	346	-0.03	-0.2	80	328	4	12	31	2.95	146	119
894.0	895.0	FT	347	-0.03	-0.2	55	457	4	8	29	2.78	141	118
895.0	896.0	FT	348	-0.03	-0.2	30	172	3	12	33	2.80	92	86
896.0	897.0	FT	349	-0.03	-0.2	20	182	4	12	31	2.57	78	122
897.0	898.0	FT	350	-0.03	-0.2	35	188	6	14	30	2.54	136	123
898.0	899.0	FT	351	-0.03	-0.2	30	217	5	12	36	2.62	148	116
899.0	900.0	FT	352	-0.03	-0.2	55	138	5	20	28	3.24	146	138
900.0	901.0	FT	353	-0.03	0.2	55	296	8	28	34	3.54	148	139
901.0	902.0	FT	354	-0.03	-0.2	30	205	6	28	63	4.20	114	127
902.0	903.0	FT	355	-0.03	-0.2	-5	265	6	12	85	2.76	37	129
903.0	904.0	FT	356	-0.03	-0.2	-5	25	4	12	23	1.68	10	98
904.0	905.0	FT	357	-0.03	-0.2	-5	99	5	-2	29	3.12	15	187
905.0	906.0	FT	358	-0.03	-0.2	-5	172	7	-2	24	2.80	6	182
906.0	907.0	FT	359	-0.03	-0.2	-5	127	5	-2	40	2.77	5	217
907.0	908.0	FT	360	-0.03	-0.2	-5	104	6	-2	22	2.54	9	224
908.0	909.0	FT	361	-0.03	-0.2	-5	86	5	-2	14	2.26	9	178
909.0	910.0	FT	362	-0.03	-0.2	-5	135	6	4	19	2.43	14	166
910.0	911.0	FT	363	-0.03	-0.2	5	65	5	-2	29	2.01	7	100
911.0	912.0	FT	364	-0.03	0.4	-5	237	5	-2	28	2.70	8	115
912.0	913.0	FT	365	-0.03	-0.2	-5	149	6	-2	19	2.34	7	93
913.0	914.0	FT	366	-0.03	-0.2	5	120	6	4	24	1.99	8	80
914.0	915.0	FT	367	-0.03	0.2	30	84	7	14	29	2.12	13	66
915.0	916.0	FT	368	-0.03	0.4	35	83	6	56	453	2.72	12	86
916.0	917.0	FT	369	-0.03	-0.2	60	66	7	34	193	1.99	7	75
917.0	918.0	FT	370	-0.03	-0.2	30	51	6	30	191	2.30	6	87
918.0	919.0	FT	371	-0.03	-0.2	15	60	5	28	170	3.02	7	105
919.0	920.0	FT	372	-0.03	0.6	30	91	8	60	229	2.82	9	99
920.0	921.0	FT	373	-0.03	-0.2	15	55	4	32	122	2.21	6	88
921.0	922.0	FT	374	-0.03	-0.2	20	55	6	26	141	3.13	12	106
922.0	923.0	FT	375	0.42	0.4	80	60	4	32	86	2.78	61	74
923.0	924.0	FT	376	-0.03	-0.2	45	63	3	22	64	2.40	60	60
924.0	925.0	FT	377	-0.03	0.2	40	80	7	14	73	2.55	53	57
925.0	926.0	FT	378	-0.03	-0.2	50	87	6	22	63	2.60	66	60
926.0	927.0	FT	379	-0.03	0.4	50	70	7	54	116	3.77	51	94
927.0	928.0	FT	380	-0.03	0.4	75	61	6	66	164	1.91	13	56
928.0	929.0	FT	381	0.19	1.0	90	101	9	112	774	2.05	9	62
929.0	930.0	FT	382	-0.03	0.8	35	48	7	78	682	3.02	4	69
930.0	931.0	FT	383	0.03	0.4	15	19	2	60	474	1.73	2	32
931.0	932.0	FT	384	-0.03	1.2	15	31	3	70	191	2.00	2	43
932.0	933.0	FT	385	-0.03	-0.2	10	7	4	40	188	1.82	2	44
933.0	934.0	FT	386	-0.03	-0.2	20	7	2	36	316	1.60	2	39

From	To	Rock Type	Sample No	Au	Pt	Ag	As	Cu	Mo	Pb	Zn	Mg #	Ni	V
934.0	935.0	FT	387	-0.03	0.4	45	10	2	78	238	1.29	3	30	
935.0	936.0	FT	388	0.43	0.8	65	20	3	96	401	1.45	3	33	
936.0	937.0	FT	389	0.31	1.2	180	25	-1	360	2770	1.35	2	33	
937.0	938.0	FT	390	0.06	1.2	140	31	2	414	4018	1.11	3	29	
938.0	939.0	FT	391	0.06	0.6	50	33	3	120	630	1.81	5	50	
939.0	940.1	FT	392	0.06	0.6	80	59	3	86	204	2.29	7	100	
940.1	941.0	XMT	393	-0.03	-0.2	35	89	4	16	212	4.75	7	154	
941.0	942.0	XMT	394	0.04	0.4	245	107	4	50	194	4.83	23	174	
942.0	943.0	XMT	395	-0.03	0.2	475	111	8	52	156	3.74	25	125	
943.0	944.6	XMT	396	-0.03	0.2	545	98	5	68	634	3.68	21	123	
944.6	946.0	FT	397	-0.03	-0.2	40	20	-1	26	148	1.83	3	68	
946.0	947.0	FT	398	-0.03	-0.2	340	62	5	22	161	2.02	7	77	
947.0	948.0	FT	399	-0.03	0.2	75	29	3	28	163	1.90	6	65	
948.0	949.0	FT	400	-0.03	-0.2	135	29	5	20	146	1.45	16	64	
949.0	950.0	FT	401	-0.03	-0.2	75	54	5	24	244	2.58	19	152	
950.0	951.0	FT	402	-0.03	-0.2	70	50	4	24	180	2.02	10	109	
951.0	952.0	FT	403	-0.03	-0.2	70	38	3	12	156	1.68	6	95	
952.0	953.0	FT	404	-0.03	-0.2	35	16	1	16	143	1.76	5	91	
953.0	954.0	FT	405	-0.03	-0.2	35	52	4	22	161	1.79	9	118	
954.0	955.0	FT	406	-0.03	-0.2	30	96	2	18	109	1.17	7	69	
955.0	956.0	FT	407	-0.03	-0.2	45	60	2	18	110	1.31	7	83	
956.0	957.0	FT	408	-0.03	-0.2	65	71	3	24	142	1.53	9	88	
957.0	958.0	FT	409	-0.03	-0.2	55	60	2	20	112	1.35	7	86	
958.0	959.0	FT	410	-0.03	-0.2	55	66	2	24	168	2.03	9	102	
959.0	960.0	FT	411	-0.03	-0.2	45	55	2	16	129	1.85	7	79	
960.0	961.0	FT	412	-0.03	-0.2	45	48	-1	18	182	3.14	8	97	
961.0	962.0	FT	413	-0.03	0.2	45	60	6	20	146	3.00	6	95	
962.0	963.0	FT	414	-0.03	0.2	50	51	3	18	141	3.10	4	73	
963.0	964.0	FT	415	-0.03	0.2	75	64	3	28	128	3.78	22	128	
964.0	965.0	FT	416	-0.03	0.4	75	74	4	22	113	2.73	42	82	
965.0	966.0	FT	417	-0.03	0.4	130	67	6	18	149	3.65	22	132	
966.0	967.0	FT	418	-0.03	0.8	160	86	2	18	154	4.32	55	125	
967.0	968.0	FT	419	-0.03	0.6	105	67	6	20	131	3.72	52	114	
968.0	969.0	FT	420	-0.03	0.4	100	85	3	18	140	3.51	59	112	
969.0	970.0	FT	421	-0.03	0.6	75	81	2	18	115	3.40	63	103	
970.0	971.0	FT	422	-0.03	0.6	55	47	-1	18	87	2.79	45	93	
971.0	972.0	FT	423	0.03	0.8	85	46	2	20	79	3.19	68	109	
972.0	973.0	FT	424	-0.03	1.0	35	43	5	18	68	2.79	55	108	
973.0	974.0	FT	425	0.05	0.6	30	53	3	14	100	3.12	55	91	
974.0	975.0	FT	426	0.11	2.6	50	173	9	26	156	3.10	71	87	
975.0	976.0	FT	427	0.10	1.4	65	85	4	24	190	3.87	25	138	
976.0	977.0	FT	428	0.19	1.8	90	103	5	20	131	2.54	123	65	
977.0	978.0	FT	429	-0.03	1.2	105	111	6	20	135	2.32	112	69	
978.0	979.0	FT	430	0.04	1.8	110	159	10	24	165	2.83	115	72	
979.0	980.0	FT	431	0.05	2.0	75	124	13	64	199	4.35	50	135	
980.0	981.0	FT	432	-0.03	0.4	45	62	2	30	148	3.84	16	128	
981.0	982.0	FT	433	-0.03	1.0	70	71	2	32	127	1.93	17	66	
982.0	983.0	FT	434	-0.03	0.6	50	73	3	38	128	1.74	18	65	
983.0	984.0	FT	435	0.03	1.2	80	67	2	36	136	1.75	16	81	
984.0	985.0	FT	436	0.05	1.0	60	77	1	44	142	1.92	15	68	
985.0	986.0	FT	437	0.07	1.2	40	82	4	30	168	2.26	15	84	
986.0	987.0	FT	438	0.03	1.0	45	85	2	30	154	2.20	13	89	
987.0	988.0	FT	439	0.11	1.4	45	111	3	28	176	3.05	17	107	

From	To	Rock Type	Sample No	Al	Pi	Ag	As	Cu	Mo	Pb	Zn	Mg	Ni	V
988.0	989.0	FT	440	0.10	1.8	50	124	2	22	183	2.64	12	102	
989.0	990.0	FT	441	0.12	1.2	45	80	3	22	185	3.05	14	111	
990.0	991.0	FT	442	0.21	1.6	50	89	2	20	268	3.06	13	122	
991.0	992.0	FT	443	0.12	2.2	60	146	3	30	257	4.25	18	161	
992.0	993.0	FT	444	0.09	1.2	50	124	2	22	221	3.67	12	161	
993.0	994.0	FT	445	0.05	1.2	50	90	-1	26	225	3.25	14	140	
994.0	995.0	FT	446	0.03	1.4	40	62	1	32	235	3.28	10	145	
995.0	996.0	FT	447	0.05	1.2	60	75	2	20	574	4.18	12	134	
996.0	997.0	FT	448	0.03	2.0	75	81	2	26	305	3.89	14	122	
997.0	998.0	FT	449	0.04	1.6	55	189	3	20	1111	2.79	15	80	
998.0	999.0	FT	450	0.03	2.4	95	189	4	22	201	3.70	14	99	
999.0	1000.0	FT	451	0.29	3.6	110	129	6	28	1648	2.02	12	57	
1000.0	1001.0	FT	452	0.90	2.6	75	39	5	42	1530	1.98	13	42	
1001.0	1002.0	FT	453	1.44	1.4	50	29	8	50	748	1.68	16	30	
1002.0	1003.0	FT	454	0.49	1.6	35	34	4	70	6316	1.24	12	14	
1003.0	1004.0	FT	455	0.20	1.6	25	161	6	44	1236	3.02	12	61	
1004.0	1005.0	FT	456	3.28	6.6	45	188	6	142	3811	1.29	16	32	
1005.0	1006.0	FT	457	0.31	2.2	85	148	5	20	507	1.80	13	48	
1006.0	1007.0	FT	458	0.28	1.0	80	20	7	54	402	1.24	16	35	
1007.0	1008.0	FT	459	0.21	0.6	70	10	6	40	173	1.09	15	32	
1008.0	1009.0	FT	460	0.10	0.8	70	35	3	8	108	1.66	16	57	
1009.0	1010.0	FT	461	0.06	0.6	65	29	6	46	152	1.73	19	93	
1010.0	1011.0	FT	462	0.05	1.4	75	88	5	52	181	2.17	18	100	
1011.0	1012.0	FT	463	-0.03	1.0	70	134	6	22	157	2.55	17	96	
1012.0	1013.0	FT	464	0.07	1.6	35	113	3	16	172	2.52	14	106	
1013.0	1014.0	FT	465	0.07	1.0	65	136	3	30	163	1.85	16	79	
1014.0	1015.0	FT	466	0.19	1.2	80	12	3	64	351	1.71	15	76	
1015.0	1016.0	FT	467	0.21	1.6	100	36	-1	124	1179	1.36	16	74	
1016.0	1017.0	FT	468	0.32	2.0	90	41	4	58	1201	1.78	20	75	
1017.0	1018.0	FT	469	0.40	2.0	55	61	5	24	204	2.14	14	57	
1018.0	1019.0	FT	470	-0.03	1.0	40	96	-1	14	113	1.45	14	57	
1019.0	1020.0	FT	471	0.21	2.2	65	163	2	26	201	2.48	19	83	
1020.0	1021.0	FT	472	0.41	3.0	75	78	3	52	855	1.98	15	75	
1021.0	1022.0	FT	473	0.12	2.0	75	167	2	34	682	2.05	16	79	
1022.0	1023.0	FT	474	0.11	2.2	110	91	3	40	331	2.17	15	86	
1023.0	1024.0	FT	475	0.49	4.6	140	116	5	176	744	2.36	17	89	
1024.0	1025.0	FT	476	0.12	1.4	160	78	3	42	403	2.61	16	97	
1025.0	1026.0	FT	477	0.29	2.8	115	108	2	48	828	2.40	14	96	
1026.0	1027.0	FT	478	0.33	3.4	45	144	2	28	343	2.98	16	115	
1027.0	1028.0	FT	479	0.36	3.2	80	172	3	30	311	2.73	15	100	
1028.0	1029.0	FT	480	0.15	1.8	70	208	6	20	303	2.56	18	105	
1029.0	1030.0	FT	481	0.58	4.0	125	21	2	106	4075	2.17	15	97	
1030.0	1031.0	FT	482	0.70	3.6	140	59	5	38	621	2.64	15	96	
1031.0	1032.0	FT	483	0.20	2.4	100	210	4	28	426	3.51	16	123	
1032.0	1033.0	FT	484	0.63	2.6	140	193	4	18	411	3.56	13	121	
1033.0	1034.0	FT	485	0.30	2.0	135	209	-1	14	473	3.39	14	119	
1034.0	1035.0	FT	486	0.20	1.8	70	95	3	44	505	1.93	16	88	
1035.0	1036.0	FT	487	0.27	1.4	45	48	1	14	250	2.51	16	106	
1036.0	1037.0	FT	488	0.13	3.4	60	169	-1	16	309	2.80	18	101	
1037.0	1038.0	FT	489	0.05	1.4	55	129	-1	14	143	2.19	18	109	
1038.0	1039.0	FT	490	0.39	6.0	35	44	1	86	572	1.94	15	88	
1039.0	1040.0	FT	491	0.38	6.0	40	53	1	52	1228	1.95	14	87	
1040.0	1041.0	FT	492	0.21	4.0	75	55	-1	84	255	2.77	14	110	

From	To	Rock Type	Sample No	Au	Pt	Ag	As	Cu	Mo	Pb	Zn	Mg	Ni	V
1041.0	1042.0	FT	493	0.09	2.2	45	124	2	12	154	2.74	15	105	
1042.0	1043.0	FT	494	0.11	1.8	50	74	2	22	415	2.29	13	87	
1043.0	1044.0	FT	495	0.32	4.4	95	32	3	88	2634	1.99	12	87	
1044.0	1045.0	FT	496	0.12	2.4	125	177	1	30	2039	2.67	14	115	
1045.0	1046.0	FT	497	0.34	4.2	115	162	5	16	236	3.31	17	116	
1046.0	1047.0	FT	498	1.15	17.0	65	119	-1	92	603	2.81	12	125	
1047.0	1048.0	FT	499	0.29	4.8	150	276	5	46	825	2.57	14	102	
1048.0	1049.0	FT	500	0.06	1.6	35	108	3	6	243	2.46	10	103	
1049.0	1050.0	FT	501	0.08	2.0	90	174	6	12	787	2.48	13	81	
1050.0	1051.0	FT	502	0.10	1.2	60	219	6	12	1722	2.41	15	77	
1051.0	1052.0	FT	503	0.53	12.6	105	349	6	60	598	2.89	12	89	
1052.0	1053.0	FT	504	0.36	10.8	75	160	2	266	4505	2.53	11	74	
1053.0	1054.0	FT	505	0.39	9.6	25	66	6	294	2595	1.76	11	59	
1054.0	1055.0	FT	506	0.18	4.8	40	84	5	130	1784	1.49	10	39	
1055.0	1056.0	FT	507	1.06	7.2	40	87	1	104	3518	1.52	14	57	
1056.0	1057.0	FT	508	0.67	4.6	60	53	3	114	2488	1.67	10	49	
1057.0	1058.0	FT	509	0.34	2.8	45	38	5	78	2058	1.03	11	34	
1058.0	1059.0	FT	510	0.28	3.2	80	118	4	58	1136	1.01	27	22	
1059.0	1060.0	FT	511	0.87	5.2	170	289	3	60	1605	1.46	46	38	
1060.0	1061.0	FT	512	0.31	1.8	95	65	3	62	434	1.66	67	39	
1061.0	1062.0	FT	513	0.16	1.8	95	164	3	50	773	0.75	40	22	
1062.0	1063.0	FT	514	0.10	1.0	60	50	3	32	269	0.49	22	14	
1063.0	1064.0	FT	515	1.20	4.0	140	219	6	62	44	0.19	18	13	
1064.0	1065.0	FT	516	0.31	1.2	70	77	5	34	215	0.91	12	21	
1065.0	1066.0	FT	517	0.23	1.2	70	62	3	32	210	0.46	11	18	
1066.0	1067.0	FT	518	-0.03	-0.2	35	10	3	14	127	0.42	4	17	
1067.0	1068.0	FT	519	0.05	-0.2	35	14	2	14	548	0.60	3	19	
1068.0	1069.0	FT	520	0.04	0.2	20	10	2	26	290	0.67	3	18	
1069.0	1070.0	FT	521	-0.03	0.2	35	11	2	24	550	0.90	3	21	
1070.0	1071.0	FT	522	0.03	-0.2	25	7	2	14	164	0.74	3	17	
1071.0	1072.0	FT	523	0.08	0.4	45	15	4	18	282	0.71	3	19	
1072.0	1073.0	FT	524	0.35	0.8	35	43	6	22	527	0.49	6	16	
1073.0	1074.0	FT	525	0.04	0.4	10	18	5	8	915	1.00	3	26	
1074.0	1075.0	FT	526	0.10	1.2	25	16	6	18	38	0.65	5	22	
1075.0	1076.0	FT	527	0.14	0.6	-5	25	10	56	16	0.14	5	8	
1076.0	1077.0	FT	528	0.07	0.6	-5	17	9	12	8	0.08	2	6	
1077.0	1078.0	FT	529	0.03	-0.2	-5	3	5	4	37	0.99	4	30	
1078.0	1079.0	FT	530	0.03	-0.2	10	5	4	6	61	0.74	4	22	
1079.0	1080.0	FT	531	0.16	0.4	30	20	7	10	205	1.23	8	28	
1080.0	1081.0	FT	532	-0.03	0.4	30	17	6	12	94	0.87	4	22	
1081.0	1082.0	FT	533	0.14	1.4	70	93	4	38	1408	1.63	17	28	
1082.0	1083.0	FT	534	0.29	1.8	75	104	4	132	6524	1.55	31	30	
1083.0	1084.0	FT	535	0.43	1.4	30	56	6	102	406	1.37	30	26	
1084.0	1085.0	FT	536	0.27	1.6	50	98	6	50	1155	0.36	10	10	
1085.0	1086.0	FT	537	0.06	0.6	-5	16	6	10	20	0.32	4	8	
1086.0	1087.0	FT	538	0.06	0.4	-5	14	7	12	12	0.26	3	6	
1087.0	1088.0	FT	539	0.05	0.2	-5	14	6	-2	9	0.14	4	6	
1088.0	1089.0	FT	540	-0.03	0.4	-5	22	8	4	8	0.05	5	5	
1089.0	1090.0	FT	541	0.06	0.4	-5	14	8	2	8	0.05	3	5	
1090.0	1091.0	FT	542	0.09	0.4	-5	25	6	4	10	0.10	5	5	
1091.0	1092.0	FT	543	0.04	0.4	-5	32	5	-2	11	0.11	5	6	
1092.0	1093.0	FT	544	0.10	-0.2	-5	25	5	-2	25	0.68	5	11	
1093.0	1094.0	FT	545	0.09	0.2	-5	24	7	-2	26	0.64	4	10	

From	To	Reep Type	Sample No.	As	Pb	Ag	As	Cu	Mo	DP	Zn	Mg #	N	V
1094.0	1095.0	FT	546	0.08	-0.2	-5	12	6	-2	18	0.42	3	8	
1095.0	1096.0	FT	547	0.03	0.2	-5	10	8	-2	26	0.69	3	15	
1096.0	1097.0	FT	548	0.05	0.4	-5	16	6	12	19	0.46	4	12	
1097.0	1098.0	FT	549	0.08	0.6	25	104	5	2	38	0.90	3	29	
1098.0	1099.0	FT	550	0.09	0.4	-5	28	11	8	15	0.16	5	6	
1099.0	1100.0	FT	551	0.07	1.0	-5	16	5	18	18	0.23	4	6	
1100.0	1101.0	FT	552	-0.03	0.4	-5	7	5	6	85	0.01	5	5	
1101.0	1102.0	FT	553	0.03	0.6	-5	12	7	12	200	0.14	4	4	
1102.0	1103.0	FT	554	-0.03	1.6	-5	17	5	42	277	0.59	2	7	
1103.0	1104.0	FT	555	0.12	0.8	-5	14	6	14	256	0.88	4	14	
1104.0	1105.0	FT	556	0.05	0.4	-5	8	6	8	210	1.19	4	30	
1105.0	1106.0	FT	557	0.07	0.4	-5	10	8	22	128	0.67	5	15	
1106.0	1107.0	FT	558	-0.03	0.6	-5	12	5	22	171	0.81	3	19	
1107.0	1108.0	FT	559	0.07	1.2	5	12	7	72	108	0.63	4	12	
1108.0	1109.0	FT	560	0.07	0.8	-5	18	5	28	240	0.24	4	5	
1109.0	1110.0	FT	561	-0.03	0.8	10	44	4	22	2022	0.22	4	6	
1110.0	1111.0	FT	562	0.33	2.4	-5	16	5	76	256	0.90	4	12	
1111.0	1112.0	FT	563	0.19	1.6	-5	23	5	52	244	1.06	5	12	
1112.0	1113.0	FT	564	0.03	0.4	-5	13	5	12	157	0.83	3	11	
1113.0	1114.0	FT	565	0.04	0.2	-5	11	7	6	157	1.58	2	19	
1114.0	1115.0	FT	566	0.03	0.4	-5	19	8	14	149	0.48	4	7	
1115.0	1116.0	FT	567	0.04	1.0	10	25	6	38	501	0.76	4	13	
1116.0	1117.0	FT	568	0.38	2.8	60	124	6	80	318	0.70	5	11	
1117.0	1118.0	FT	569	0.14	1.8	-5	11	6	76	244	0.62	5	10	
1118.0	1119.0	FT	570	0.08	1.2	-5	7	5	50	71	0.20	4	6	
1119.0	1120.0	FT	571	-0.03	0.4	-5	11	9	20	110	0.66	4	8	
1120.0	1121.0	FZ	572	0.07	0.4	-5	17	6	20	154	0.66	4	10	
1121.0	1122.5	FZ	573	0.10	0.6	-5	23	5	12	141	0.86	4	12	
1122.5	1124.0	FHQp	574	0.09	0.6	-5	35	5	8	371	0.78	3	16	
1124.0	1125.0	FHQp	575	0.16	0.2	-5	51	5	-2	303	1.16	4	19	
1125.0	1126.0	FHQp	576	0.13	0.4	-5	15	7	30	131	0.63	4	14	
1126.0	1127.0	FHQp	577	0.16	0.4	10	19	5	10	56	0.93	3	25	
1127.0	1128.0	FHQp	578	0.25	-0.2	10	22	6	6	50	0.91	5	23	
1128.0	1129.0	FHQp	579	0.49	0.8	15	83	6	26	59	0.59	4	11	
1129.0	1130.0	FHQp	580	0.13	0.2	-5	32	8	6	61	0.35	5	6	
1130.0	1131.0	FHQp	581	-0.03	-0.2	-5	11	9	6	25	0.11	4	4	
1131.0	1132.0	FHQp	582	0.03	0.2	-5	9	87	18	87	0.03	4	4	
1132.0	1133.0	FHQp	583	-0.03	-0.2	-5	8	76	14	144	0.19	4	4	
1133.0	1134.0	FHQp	584	0.19	0.4	-5	16	6	12	187	0.81	4	12	
1134.0	1135.0	FHQp	585	0.38	0.4	-5	54	6	4	107	1.26	4	32	
1135.0	1136.0	FHQp	586	0.25	0.4	-5	17	6	16	95	1.21	3	33	
1136.0	1137.0	FHQp	587	0.35	0.6	15	54	4	14	104	1.22	3	48	
1137.0	1138.0	FHQp	588	0.24	0.6	20	60	7	14	129	1.12	4	38	
1138.0	1139.0	FHQp	589	0.07	0.4	-5	20	5	16	111	1.12	3	41	
1139.0	1140.0	FHQp	590	0.17	0.8	-5	29	5	22	304	1.12	3	37	
1140.0	1141.0	FHQp	591	0.09	0.4	-5	16	9	12	79	0.69	5	16	
1141.0	1142.0	FHQp	592	0.19	0.6	-5	9	7	18	83	0.63	3	7	
1142.0	1143.0	FHQp	593	0.37	0.4	-5	13	5	12	89	0.84	3	19	
1143.0	1144.0	FHQp	594	0.51	0.6	-5	14	7	10	59	0.86	3	17	
1144.0	1145.0	FHQp	595	0.07	0.6	-5	26	8	26	31	0.30	4	6	
1145.0	1146.0	FHQp	596	0.04	0.4	-5	12	6	12	153	0.35	3	6	
1146.0	1147.0	FHQp	597	0.09	0.4	-5	14	9	8	71	0.40	4	6	
1147.0	1147.9	FHQp	598	0.06	0.2	-5	11	9	16	765	0.18	4	6	

From	To	Reef Type	Sample No	Au	Pt	Ag	As	Cu	Mo	Pb	Zn	Mg #	Ni	V
1147.9	1149.0	FHx	599	0.15	-0.2	-5	8	7	12	18	0.13	4	5	
1149.0	1150.0	FHx	600	0.05	0.4	-5	7	8	8	38	0.52	3	6	
1150.0	1151.0	FHx	601	0.17	0.4	-5	11	6	16	31	0.32	3	5	
1151.0	1152.0	FHx	602	0.10	0.2	-5	9	4	2	55	0.62	3	7	
1152.0	1153.0	FHx	603	0.73	0.2	-5	9	5	-2	62	0.83	3	10	
1153.0	1154.0	FHx	604	0.11	0.4	-5	9	7	12	54	0.51	3	7	
1154.0	1155.6	FHx	605	0.72	0.4	-5	11	9	12	69	0.47	5	6	
1155.6	1157.0	FHQp	606	0.13	0.4	-5	10	6	12	69	0.66	4	9	
1157.0	1158.0	FHQp	607	0.07	0.4	-5	8	12	30	65	0.28	3	6	
1158.0	1159.0	FHQp	608	0.12	0.4	-5	5	8	12	67	0.49	4	7	
1159.0	1160.0	FHQp	609	0.16	0.8	-5	5	9	10	55	0.42	4	6	
1160.0	1161.0	FHQp	610	0.15	0.4	-5	6	7	8	63	0.64	4	7	
1161.0	1162.0	FHQp	611	0.15	0.4	-5	5	7	6	55	0.49	3	6	
1162.0	1163.0	FHQp	612	0.81	0.4	5	7	7	4	52	0.52	4	6	
1163.0	1164.0	FHQp	613	0.60	0.4	-5	7	8	30	62	0.43	3	6	
1164.0	1165.0	FHQp	614	0.33	0.4	5	4	8	10	38	0.41	4	6	
1165.0	1166.0	FHQp	615	0.39	0.4	-5	5	8	10	12	0.09	4	6	
1166.0	1167.0	FHQp	616	0.37	0.6	-5	5	10	16	13	0.06	4	5	
1167.0	1168.0	FHQp	617	0.42	0.2	-5	7	7	16	28	0.30	4	5	
1168.0	1169.0	FHQp	618	0.17	0.2	-5	7	8	18	30	0.30	5	6	
1169.0	1170.0	FHQp	619	0.42	0.8	-5	19	10	18	31	0.16	4	6	
1170.0	1171.0	FHQp	620	0.24	0.6	-5	10	6	10	30	0.21	3	6	
1171.0	1172.0	FHQp	621	0.36	0.4	-5	17	11	32	53	0.22	6	6	
1172.0	1173.0	FHQp	622	0.22	0.2	-5	6	7	14	33	0.38	4	6	
1173.0	1174.0	FHQp	623	0.15	0.6	-5	3	8	12	43	0.58	4	7	
1174.0	1175.0	FHQp	624	0.04	-0.2	-5	5	5	12	61	0.85	4	5	
1175.0	1176.0	FHQp	625	0.13	0.2	-5	4	6	12	148	0.56	4	7	
1176.0	1177.0	FHQp	626	0.13	0.6	-5	43	10	22	226	0.39	37	5	
1177.0	1178.0	FHQp	627	0.14	0.4	-5	7	7	16	456	0.69	4	5	
1178.0	1179.0	FHQp	628	0.09	0.2	-5	6	6	14	161	0.66	3	6	
1179.0	1179.8	FHQp	629	0.09	0.2	-5	6	8	14	107	0.51	4	6	
1179.8	1181.0	FHx	630	0.11	0.4	-5	12	12	24	40	0.19	7	5	
1181.0	1182.0	FHx	631	0.22	-0.2	-5	128	11	10	62	0.77	12	14	
1182.0	1183.0	FHx	632	0.14	0.4	-5	13	13	16	50	0.60	13	12	
1183.0	1184.0	FHx	633	0.40	0.6	5	8	15	22	160	0.79	11	19	
1184.0	1185.0	FHx	634	0.16	0.6	-5	12	11	18	67	0.89	10	21	
1185.0	1186.0	FHx	635	0.12	0.6	5	9	10	36	44	0.51	5	9	
1186.0	1187.6	FHx	636	0.12	0.8	5	7	7	46	37	0.38	4	8	
1187.6	1188.0	FHx	637	0.12	0.4	-5	8	9	16	67	0.67	5	14	
1188.0	1189.0	FHQp	638	0.23	0.6	-5	14	7	10	107	0.41	5	7	
1189.0	1190.0	FHQp	639	0.13	0.4	-5	14	5	-2	312	0.83	4	8	
1190.0	1191.0	FHQp	640	0.17	0.6	-5	18	9	26	164	0.39	4	8	
1191.0	1192.0	FHQp	641	0.20	0.4	-5	43	7	4	103	0.60	5	11	
1192.0	1193.0	FHQp	642	0.11	0.6	-5	37	9	26	126	0.27	5	8	
1193.0	1194.0	FHQp	643	0.59	0.4	-5	12	7	12	56	0.63	4	9	
1194.0	1195.0	FHQp	644	0.10	0.4	-5	21	6	16	78	0.76	3	17	
1195.0	1196.0	FHQp	645	0.05	0.2	-5	15	6	8	58	0.79	4	16	
1196.0	1197.0	FHQp	646	-0.03	0.4	-5	12	5	18	63	0.59	4	10	
1197.0	1198.0	FHQp	647	0.05	0.4	-5	11	8	22	477	0.26	4	7	
1198.0	1199.0	FHQp	648	1.37	1.2	40	540	7	-2	130	0.90	4	18	
1199.0	1200.0	FHQp	649	0.10	0.4	-5	36	9	12	94	0.36	6	8	
1200.0	1201.0	FHQp	650	0.10	0.4	-5	14	8	12	54	0.42	4	8	
1201.0	1202.0	FHQp	651	0.20	-0.2	-5	37	12	10	154	0.94	6	26	

From	To	Rock Type	Sample No	Au	Ag	As	Cu	Mo	Pb	Zn	Mg #	Ni	V
1202.0	1203.0	FHQp	652	0.17	0.8	-5	85	18	24	208	1.03	14	34
1203.0	1204.0	FHQp	653	0.34	1.0	-5	235	16	36	150	1.10	4	37
1204.0	1205.0	FHQp	654	0.15	1.0	-5	131	22	74	238	0.92	-1	28
1206.0	1207.0	FHQp	655	0.18	0.2	-5	305	27	6	222	1.73	3	54
1207.0	1208.0	FHQp	656	0.19	0.4	-5	289	30	18	324	1.36	4	44
1208.0	1209.0	FHQp	657	0.16	0.2	-5	351	146	10	670	1.32	4	44
1209.0	1210.0	FHQp	658	0.11	0.6	-5	243	16	22	217	1.23	4	39
1210.0	1211.0	FHQp	659	0.07	0.4	-5	193	90	16	141	1.19	4	37
1211.0	1212.0	FHQp	660	0.11	0.6	-5	260	24	28	141	1.20	4	38
1212.0	1213.0	FHQp	661	0.16	0.8	-5	502	19	24	204	1.10	3	36
1213.0	1214.0	FHQp	662	0.19	1.8	-5	227	20	102	172	1.28	13	43
1214.0	1215.3	FHQp	663	0.10	0.8	-5	233	56	32	120	1.35	3	54
1219.5	1221.0	FHx	664	0.05	0.6	-5	81	20	80	752	1.17	3	40
1221.0	1222.0	FHx	665	0.08	0.6	-5	206	27	52	363	1.25	3	34
1222.0	1223.0	FHx	666	0.09	0.4	-5	201	29	28	720	1.41	7	36
1223.0	1224.0	FHx	667	0.12	0.6	-5	210	17	26	180	0.85	4	16
1224.0	1225.0	FHx	668	0.34	1.4	-5	255	13	60	1663	0.16	6	5
1225.0	1226.0	FHx	669	0.10	0.6	-5	144	10	22	182	0.94	3	23
1226.0	1227.0	FHx	670	0.12	0.6	-5	260	20	14	140	1.36	4	35
1227.0	1228.0	FHx	671	0.12	0.4	-5	192	38	20	138	1.48	3	37
1228.0	1229.0	FHx	672	0.06	0.6	-5	89	31	26	132	1.44	3	38
1229.0	1230.0	FHx	673	0.06	0.4	-5	152	11	8	113	1.58	4	46
1230.0	1231.0	FHx	674	0.09	0.4	-5	144	8	8	93	1.52	2	42
1231.0	1232.0	FHx	675	0.13	0.8	-5	194	17	10	1100	1.19	3	30
1232.0	1233.0	FHx	676	0.41	2.4	20	285	28	30	1160	0.09	4	6
1233.0	1234.0	FHx	677	1.07	2.2	-5	297	22	26	141	0.47	3	13
1234.0	1235.0	FHx	678	0.12	1.6	-5	215	20	20	80	0.88	3	26
1235.0	1236.0	FHx	679	0.15	0.6	-5	70	21	12	87	1.44	2	44
1236.0	1237.0	FHx	680	0.12	0.6	-5	113	15	18	66	1.46	2	54
1237.0	1238.4	FHx	681	0.09	0.8	10	225	13	10	69	1.64	2	61
1240.6	1242.0	VT	682	0.09	0.4	-5	164	12	8	54	1.44	4	56
1242.0	1243.0	FHx	683	0.07	-0.2	-5	115	12	6	42	1.28	4	40
1243.0	1244.0	FHx	684	0.09	0.4	-5	143	10	6	59	1.37	3	40
1244.0	1245.0	FHx	685	0.13	0.8	-5	103	13	22	62	1.05	3	31
1245.0	1246.0	FHx	686	0.10	0.8	-5	101	29	16	61	0.93	2	24
1246.0	1247.0	FHx	687	0.11	0.6	-5	245	10	6	74	0.97	3	26
1247.0	1248.0	FHx	688	0.20	0.8	-5	242	27	6	104	1.28	2	34
1248.0	1249.0	FHx	689	0.16	0.6	-5	475	46	6	140	1.72	3	41
1249.0	1250.0	FHx	690	0.14	0.4	-5	173	32	6	79	1.48	2	36
1250.0	1251.0	FHx	691	0.14	0.6	-5	219	40	4	76	1.48	2	40
1251.0	1252.0	FHx	692	0.79	0.6	-5	201	21	8	71	1.10	5	25
1252.0	1253.0	FHx	693	0.14	1.0	-5	311	42	28	45	0.65	9	19
1253.0	1254.0	FHx	694	0.08	0.6	-5	194	35	16	48	0.74	5	23
1254.0	1255.0	FHx	695	0.12	0.8	-5	295	75	8	46	0.74	7	19
1255.0	1256.0	FHx	696	0.11	0.6	-5	250	82	4	44	0.70	10	17
1256.0	1257.0	FHx	697	0.07	0.4	-5	27	32	18	20	0.04	10	4
1257.0	1258.0	FHx	698	0.10	1.2	-5	76	151	10	24	0.11	3	5
1258.0	1259.0	FHx	699	0.12	1.0	-5	26	31	14	113	-0.01	3	4
1259.0	1260.0	FHx	700	0.18	1.2	-5	62	26	54	19	0.03	8	5
1260.0	1261.0	FHx	701	0.15	0.8	-5	267	34	20	50	0.57	10	18
1261.0	1262.0	FHx	702	0.08	0.6	-5	129	25	20	62	0.85	14	26
1262.0	1263.0	FHx	703	0.11	0.4	-5	276	82	8	67	1.24	6	52
1263.0	1264.0	FHx	704	0.09	0.2	-5	101	37	18	49	1.07	8	47

From	To	Rock Type	Sample No	Au	Ag	As	Cu	Mo	Pb	Zn	Mg #	Ni	V
1264.0	1265.0	FHx	705	0.13	0.2	-5	153	21	10	50	1.08	7	53
1265.0	1266.0	FHx	706	0.07	0.4	-5	153	31	14	43	0.99	45	33
1266.0	1267.0	FHx	707	0.06	0.4	-5	139	17	12	54	1.27	7	54
1267.0	1268.0	FHx	708	0.07	0.4	-5	156	31	18	47	0.98	13	29
1268.0	1269.0	FHx	709	0.07	0.2	-5	110	17	8	52	1.24	10	46
1269.0	1270.0	FHx	710	0.09	0.4	-5	150	14	8	42	1.32	13	54
1270.0	1270.9	FHx	711	0.08	0.2	-5	100	11	4	32	0.98	14	34
1271.1	1272.0	FHx	712	0.06	-0.2	-5	120	12	4	50	1.72	12	58
1272.0	1273.0	FHx	713	0.12	0.2	-5	134	21	-2	47	1.19	11	54
1273.0	1274.0	FHx	714	0.11	0.2	-5	119	11	4	48	1.03	13	42
1274.0	1275.0	FHx	715	0.09	0.4	-5	147	19	8	27	0.63	15	22
1275.0	1276.0	FHx	716	0.16	0.4	-5	292	10	4	26	0.78	16	17
1276.0	1277.0	FHx	717	0.11	0.4	-5	91	11	4	32	1.08	13	36
1277.0	1278.0	FHx	718	0.06	-0.2	-5	144	7	6	47	1.52	10	67
1278.0	1279.0	FHx	719	0.11	0.4	-5	168	9	4	40	1.50	18	50
1279.0	1280.0	FHx	720	0.13	0.6	-5	205	13	8	26	0.89	16	21
1280.0	1281.0	FHx	721	0.23	0.4	-5	354	4	8	51	1.56	20	53
1281.0	1282.0	FHx	722	0.12	0.4	-5	99	9	6	47	1.43	18	47
1282.0	1283.0	FHx	723	0.13	0.4	-5	147	21	8	36	1.14	12	38
1283.0	1284.0	FHx	724	0.09	0.4	-5	63	12	8	33	1.13	10	27
1284.0	1285.0	FHx	725	0.08	0.4	-5	45	37	8	15	0.52	15	14
1285.0	1286.0	FHx	726	0.09	0.4	-5	105	18	6	20	0.65	9	19
1286.0	1287.0	FHx	727	0.12	0.4	-5	134	17	4	23	0.74	10	20
1287.0	1288.0	FHx	728	0.10	0.6	-5	113	20	4	18	0.53	19	13
1288.0	1289.0	FHx	729	0.27	1.6	-5	72	9	6	9	0.12	17	7
1289.0	1290.0	FHx	730	0.21	0.6	-5	68	12	8	39	1.17	18	38
1290.0	1291.0	FHx	731	0.09	0.4	-5	106	16	6	48	1.31	22	46
1291.0	1292.0	FHx	732	0.05	0.2	-5	64	19	6	62	1.24	15	43
1292.0	1293.0	FHx	733	0.03	0.4	5	112	11	8	64	1.32	16	42
1293.0	1294.0	FHx	734	0.10	-0.2	-5	62	17	8	62	1.38	14	45
1294.0	1295.0	FHx	735	0.06	0.4	-5	89	15	8	56	1.25	16	39
1295.0	1296.0	FHx	736	0.07	-0.2	-5	72	22	10	49	1.43	16	49
1296.0	1297.0	FHx	737	0.07	-0.2	-5	64	24	8	40	1.29	18	50
1297.0	1298.0	FHx	738	0.14	-0.2	-5	103	15	6	33	1.26	6	40
1298.0	1299.0	FHx	739	0.20	-0.2	-5	144	26	10	32	1.24	3	34
1299.0	1300.0	FHx	740	0.15	-0.2	-5	83	14	4	40	1.53	4	56
1300.0	1301.0	FHx	741	0.10	-0.2	-5	128	35	4	55	1.56	14	61
1301.0	1302.0	FHx	742	0.24	-0.2	-5	128	16	6	47	1.40	14	41
1302.0	1303.0	FHx	743	0.15	-0.2	-5	66	10	6	39	1.07	10	34
1303.0	1304.0	FHx	744	0.16	-0.2	-5	115	8	6	41	1.19	7	39
1304.0	1305.0	FHx	745	0.03	-0.2	-5	78	10	8	41	0.91	6	20
1305.0	1306.0	FHx	746	0.13	0.2	-5	64	11	8	43	0.85	5	18
1306.0	1307.0	FHx	747	0.06	0.4	-5	121	88	20	30	0.43	11	15
1307.0	1308.0	FHx	748	0.14	0.4	-5	183	66	16	40	0.51	15	20
1308.0	1309.0	FHx	749	0.41	0.6	-5	129	21	8	17	0.17	19	12
1309.0	1310.0	FHx	750	0.17	0.4	-5	180	25	2	20	0.20	26	12
1310.0	1311.0	FHx	751	0.04	-0.2	-5	75	5	12	49	0.88	11	24
1311.0	1312.0	FHx	752	0.13	0.4	-5	127	10	6	42	1.01	15	25
1312.0	1313.0	FHx	753	0.10	-0.2	-5	128	9	2	40	1.18	10	37
1313.0	1314.1	FHx	754	0.07	-0.2	-5	83	19	6	59	1.59	9	61
1314.2	1315.0	FHx	755	0.06	-0.2	-5	81	21	8	71	1.68	5	69
1315.0	1316.0	FHx	756	0.04	-0.2	-5	73	19	8	70	1.53	6	63
1316.0	1317.0	FHx	757	0.03	-0.2	-5	51	13	10	66	1.25	9	42

From	To	Rock Type	Sample No	Kil Fire	Ag	Au	Cu	Mo	Pb	Zn	Mg #	Ni	V
1317.0	1318.0	FHx	758	0.06	-0.2	-5	48	11	8	72	1.31	8	37
1318.0	1319.0	FHx	759	0.17	-0.2	-5	153	36	8	43	0.85	13	26
1319.0	1320.0	FHx	760	0.60	-0.2	-5	269	12	10	58	1.34	33	52
1320.0	1321.0	FHx	761	0.08	-0.2	-5	48	25	10	53	1.20	30	48
1321.0	1322.0	FHx	762	0.03	-0.2	-5	59	8	4	46	0.92	23	37
1322.0	1323.0	FHx	763	0.07	-0.2	-5	53	8	4	51	0.95	23	42
1323.0	1324.0	FHx	764	0.06	-0.2	-5	44	17	4	39	0.81	19	28
1324.0	1325.0	FHx	765	0.12	-0.2	-5	88	11	6	20	0.41	27	11
1325.0	1326.0	FHx	766	0.09	0.2	-5	27	16	10	14	0.20	59	6
1326.0	1327.0	FHx	767	0.06	0.4	-5	18	23	20	8	-0.01	22	5
1327.0	1328.0	FHx	768	0.07	-0.2	-5	37	15	-2	15	0.15	15	7
1328.0	1329.0	FHx	769	0.10	-0.2	-5	70	13	-2	15	0.19	22	10
1329.0	1330.0	FHx	770	0.09	-0.2	-5	73	15	-2	16	0.19	28	10
1330.0	1331.0	FHx	771	0.19	-0.2	-5	38	11	4	10	0.25	23	7
1331.0	1332.0	FHx	772	0.09	-0.2	-5	109	10	-2	29	0.93	18	27
1332.0	1333.0	FHx	773	0.09	-0.2	-5	81	6	-2	45	1.56	49	53
1333.0	1334.0	FHx	774	0.07	-0.2	-5	84	10	2	28	0.96	17	34
1334.0	1335.0	FHx	775	0.09	-0.2	-5	162	44	10	20	0.46	16	21
1335.0	1336.0	FHx	776	0.06	-0.2	-5	106	12	10	37	0.72	14	28
1336.0	1337.0	FHx	777	0.13	-0.2	-5	220	11	4	53	1.05	13	32
1337.0	1338.0	FHx	778	0.03	-0.2	-5	205	8	4	51	1.56	21	47
1338.0	1339.0	FHx	779	0.12	-0.2	-5	327	10	4	40	1.10	11	36
1339.0	1340.0	FHx	780	0.27	-0.2	-5	660	9	2	40	0.97	5	32
1340.0	1341.0	FHx	781	0.18	-0.2	-5	619	24	2	61	1.43	8	57
1341.0	1342.0	FHx	782	0.18	-0.2	-5	516	15	-2	64	1.72	7	74
1342.0	1343.0	FHx	783	0.15	-0.2	-5	257	8	6	59	1.63	5	54
1343.0	1344.0	FHx	784	0.20	-0.2	-5	175	34	2	46	1.00	7	43
1344.0	1345.0	FHx	785	0.05	-0.2	-5	104	20	4	48	1.40	8	64
1345.0	1346.0	FHx	786	0.06	-0.2	-5	49	21	-2	33	1.15	8	42
1346.0	1347.0	FHx	787	0.06	-0.2	-5	78	44	4	36	0.85	14	26
1347.0	1348.0	FHx	788	0.12	-0.2	-5	130	16	-2	40	1.24	6	42
1348.0	1349.0	FHx	789	0.11	-0.2	-5	126	25	2	56	1.32	6	40
1349.0	1350.0	FHx	790	0.10	-0.2	-5	87	28	10	34	0.47	8	17
1350.0	1351.0	FHx	791	0.10	-0.2	-5	203	33	4	58	1.23	6	38
1351.0	1352.0	FHx	792	0.14	-0.2	-5	139	13	-2	62	1.57	6	54
1352.0	1353.0	FHx	793	0.08	-0.2	-5	93	26	2	36	1.00	8	29
1353.0	1354.0	FHx	794	0.07	-0.2	-5	184	14	2	27	0.59	6	16
1354.0	1355.0	FHx	795	0.09	-0.2	-5	90	15	4	24	0.35	4	10
1355.0	1356.0	FHx	796	0.07	-0.2	-5	107	14	-2	71	1.36	5	35
1356.0	1357.0	FHx	797	0.16	-0.2	-5	238	20	-2	52	1.13	7	23
1357.0	1358.0	FHx	798	0.12	0.2	-5	125	35	14	23	0.43	6	7
1358.0	1359.0	FHx	799	0.09	-0.2	-5	84	8	8	19	0.49	5	7
1359.0	1360.0	FHx	800	0.14	0.4	-5	75	9	26	31	0.35	4	7
1360.0	1361.0	FHx	801	0.46	1.6	-5	149	7	10	30	0.59	4	9
1361.0	1362.0	FHx	802	-0.03	-0.2	-5	30	-1	-2	31	1.62	26	195
1362.0	1363.0	FHx	803	0.19	0.4	-5	135	9	40	40	1.06	5	11
1363.0	1364.0	FHx	804	0.24	-0.2	-5	106	6	-2	44	0.85	4	10
1364.0	1365.0	FHx	805	0.14	-0.2	-5	66	17	6	36	0.63	5	10
1365.0	1366.0	FHx	806	0.11	-0.2	-5	31	9	10	34	0.37	3	6
1366.0	1367.0	FHx	807	0.12	0.2	10	72	10	-2	83	0.85	4	10
1367.0	1368.0	FHx	808	0.11	0.2	-5	28	9	38	21	0.14	3	5
1368.0	1369.0	FHx	809	0.12	0.2	10	63	9	4	32	0.51	4	6
1369.0	1370.0	FHx	810	0.20	-0.2	-5	35	8	4	42	0.84	4	7

From	To	Rock Type	Sample No	Au	Pb	Ag	As	Cu	Mo	Pb	Zn	Mg	Al	V
1370.0	1371.0	FHx	811	0.16	-0.2	-5	52	6	2	56	1.00	5	14	
1371.0	1372.0	FHx	812	0.14	0.6	25	112	9	4	40	0.64	6	6	
1372.0	1373.0	FHx	813	0.17	0.8	30	142	8	14	110	0.90	9	9	
1373.0	1374.0	FHx	814	0.10	0.2	-5	29	9	16	41	0.58	6	7	
1374.0	1374.9	FHx	815	0.08	0.2	-5	42	11	10	72	1.00	51	7	
1374.9	1375.7	FHx	816	0.10	0.6	-5	364	18	-2	34	0.59	8	6	
1375.7	1377.0	FHx	817	0.07	1.0	-5	664	21	-2	41	0.58	4	9	
1377.0	1378.0	FHx	818	0.10	1.6	-5	630	18	-2	71	0.80	2	10	
1378.0	1379.0	FHx	819	0.06	1.2	-5	361	28	12	65	0.72	3	8	
1379.0	1380.0	FHx	820	-0.03	-0.2	30	31	3	-2	35	2.06	6	177	
1380.0	1381.0	FHx	821	0.09	1.4	20	303	21	68	2140	0.69	4	9	
1381.0	1382.0	FHx	822	0.10	0.8	50	148	20	26	598	1.47	1	16	
1382.0	1383.0	FHx	823	0.13	1.4	55	129	15	70	273	2.24	3	25	
1383.0	1384.0	FHx	824	0.09	1.2	30	131	7	44	190	1.20	1	13	
1384.0	1385.0	FHx	825	0.14	1.0	45	213	6	30	253	1.45	4	20	
1385.0	1386.0	FHx	826	0.13	1.4	30	286	6	124	3329	1.94	1	35	
1386.0	1387.0	FHx	827	0.24	2.4	45	450	10	124	865	1.50	3	28	
1387.0	1388.0	FHx	828	0.15	1.0	50	200	5	48	210	1.47	2	32	
1388.0	1389.0	FHx	829	0.22	1.4	40	225	5	64	205	1.64	3	51	
1389.0	1390.0	FHx	830	0.10	1.2	35	183	27	96	602	1.26	1	18	
1390.0	1391.0	FHx	831	0.13	1.6	40	386	11	52	1910	1.57	1	14	
1391.0	1392.0	FHx	832	0.12	1.2	35	207	5	52	548	1.57	3	13	
1392.0	1393.0	FHx	833	0.08	1.2	40	177	6	32	240	1.62	2	14	
1393.0	1394.0	FHx	834	0.06	1.2	15	26	48	18	27	0.92	3	8	
1394.0	1395.0	FHx	835	0.11	2.0	25	77	66	14	26	1.18	6	11	
1395.0	1396.0	FHx	836	0.09	2.8	20	428	55	8	26	1.12	5	12	
1396.0	1397.0	FHx	837	0.11	2.2	20	512	35	16	25	1.58	4	12	
1397.0	1398.0	FHx	838	0.10	1.8	30	554	39	8	45	1.96	5	15	
1398.0	1399.0	FHx	839	0.13	2.6	25	566	75	14	40	1.40	5	16	
1399.0	1400.0	FHx	840	0.09	1.8	30	243	46	12	39	1.88	2	26	
1400.0	1401.0	FHx	841	0.09	1.2	25	200	5	22	207	1.78	-1	16	
1401.0	1402.0	FHx	842	0.13	1.4	35	318	7	62	805	2.09	3	38	
1402.0	1403.1	FHx	843	0.12	1.6	35	285	7	46	213	1.98	5	42	
1403.1	1404.0	FHp	844	0.10	2.0	25	349	8	22	132	1.84	2	36	
1404.0	1405.0	FHp	845	0.11	1.4	35	231	5	12	144	1.79	2	49	
1405.0	1406.0	FHp	846	0.07	1.2	25	153	3	12	82	2.28	2	59	
1406.0	1407.0	FHp	847	0.06	0.8	15	53	4	6	103	1.88	-1	32	
1407.0	1408.0	FHp	848	0.11	1.2	30	48	8	6	75	1.29	1	32	
1408.0	1409.0	FHp	849	0.07	0.8	25	14	5	4	64	1.77	-1	32	
1409.0	1410.0	FHp	850	0.09	0.6	25	11	7	4	71	1.88	-1	40	
1410.0	1411.0	FHp	851	0.10	1.4	25	43	69	8	123	2.36	-1	54	
1411.0	1412.0	FHp	852	0.11	1.2	25	171	17	8	120	2.20	-1	80	
1412.0	1413.0	FHp	853	0.06	5.4	250	295	5	4	85	1.49	5	118	
1413.0	1414.0	FHp	854	0.03	2.2	50	349	5	4	100	1.70	4	136	
1414.0	1415.0	FHp	855	-0.03	1.8	35	199	6	4	92	1.66	3	132	
1415.0	1416.0	FHp	856	-0.03	1.2	50	253	5	4	104	1.88	3	107	
1416.0	1417.0	FHp	857	-0.03	1.0	25	180	8	-2	119	2.39	2	111	
1417.0	1418.0	FHp	858	-0.03	0.4	15	45	6	-2	120	2.26	-1	104	
1418.0	1419.0	FHp	859	-0.03	1.4	25	197	5	4	100	1.80	2	146	
1419.0	1420.0	FHp	860	-0.03	0.6	20	87	6	4	144	2.62	-1	168	
1420.0	1421.0	FHp	861	-0.03	0.4	25	94	4	-2	100	2.40	1	130	
1421.0	1422.0	FHp	862	-0.03	0.2	15	84	4	-2	82	2.26	-1	107	
1422.0	1423.0	FHp	863	-0.03	0.2	10	86	10	-2	70	1.87	2	65	

From	To	Rock Type	Sample No	Au Fire	Ag	As	Cu	Mo	Pb	Zn	Mg %	Ni	V
1423.0	1424.0	FHp	864	-0.03	0.4	20	107	3	-2	80	2.21	-1	103
1424.0	1425.0	FHp	865	-0.03	0.4	15	132	2	-2	70	2.00	1	88
1425.0	1426.0	FHp	866	-0.03	-0.2	15	77	-1	-2	56	1.70	1	98
1426.0	1427.0	FHp	867	-0.03	-0.2	20	68	2	-2	64	2.07	4	135

Royal Oak Mines Inc.
RED MOUNTAIN PROJECT

Hole Number : R96DH227 **Zone** : Rio Blanco Zone
Purpose : To find the extent of the 1149 intercept
Comment : Upper drill pad

COLLAR DATA

Mine Northing	:	1966.04	Units	:	Meters
Mine Easting	:	4802.07	Core stored	:	Red_Mtn
Mine Elevation	:	2018.22			
True Azimuth	:	47.56°	Drilling Started	:	26-05-96
Mine Azimuth	:	92.56°	Drilling Completed	:	--??-96 26-06-96
Initial Dip	:	-58.50°	Logged By	:	LW
Length	:	1427.36 (Meters)	Date logged	:	28-05-96
Core size	:	BDBGM	Date printed	:	08-08-96 19:48:49

Assay Sample Series : 00016 to 867 = 853 Samples

SURVEY DATA

Location	Azimuth	Dip	Type	Location	Azimuth	Dip	Type
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R96DH227

ROYAL OAK MINES INC.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
0.00	3.40	CASING.
3.40	48.00	<p>FELDSPAR-HORNBLLENDE CRYSTAL. c.gr'd. Light to medium grey, 1 to 3 mm avg. pheno size, <1 mm grain size. . selective Fe-carb, hornblendes alt'd, H = 3.5, weak sericitic Alteration, weak chloritic alteration, black. Phenocrysts: 15% 1 to 3 mm subhedral, feldspar; 30% 1 to 3 mm subhedral, hornblende, carbonate and possible chlorite altered, skeletal texture; Accessory Minerals: 1% pale, pink, fine to medium grained, massive, Axinite in veins; 1 to 2% pale, clear, carbonate in veins. Mineralization : 2 to 3% medium grained, disseminated pyrite as fracture fillings; 1 to 2% fine grained, disseminated pyrrhotite as fracture fillings; trace chalcopyrite. Structure : moderate vein at 5.02m at 50° to core axis, py vein 1 cm, irregular vein at 12.8m at 40° to core axis, 0.5-1.5 cm diss py vein, vein at 18.36m at 70° to core axis, py vein 0.5 cm, lower contact at 48m at 50° to core axis, vein at 41.1m at 25° to core axis, 5 cm, py-po-cpy, vein at 42.3m at 60° to core axis, py vein 0.5 cm, shear at 44.1m at 50° to core axis, 1 cm, lim go. Pyrite ass'd with chl - carb vns. 3.40 - 4.50 Broken core. 7.00 - 7.20 Broken core. 13.50 - 14.00 Broken core. 19.00 - 19.30 Fault Zone. Accessory Minerals: 20% Gouge; 2 to 3% rubble. Structure : fault zone at 30° to core axis, 20 cm. 45.40 - 46.00 Accessory Minerals: 1 to 2% brecciated, Gouge, bx zone 22 cm, resemble fault zone; trace rubble. Structure : breccia at 60° to core axis, microbrecciation.</p>
48.00	63.60	<p>VERY FINE TUFF. Light to medium grey, fine grain size. weakly bedded, moderate fractured, Fe staining. moderate limonitic alteration, along</p>

<u>Sulphide</u> <u>%</u>	<u>Fracture</u> <u>Fill %</u>	<u>Sample</u> <u>Number</u>	<u>Sample Interval</u>			<u>AU</u> <u>g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
3-5% py,	2-3%	00016	12.50	14.00	1.50	trace
1-2% py,	1-2%	00017	22.00	23.00	1.00	trace
1-2% py, trace cp	1-2%	00018	27.00	28.00	1.00	n.a.
2-3% po, 1.0% py	1.0%	00019	40.50	42.00	1.50	n.a.
2-3% po, 1.0% py	1-2%	00020	42.00	43.00	1.00	n.a.
1.0% po, 0.5% py	1.0%	00021	43.00	44.00	1.00	n.a.
1.0% po, trace py	0.5%	00022	44.00	45.00	1.00	n.a.
0.5% py,	1.0%	00023	45.00	46.00	1.00	n.a.
1.0% py,	2-3%	00024	46.00	47.00	1.00	n.a.
1-2% py,	1-2%	00025	47.00	48.00	1.00	n.a.
10% py,	2-3%	00026	48.00	49.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		Fractures, patchy, weak sericitic alteration. Accessory Minerals: carbonate in veins; 5 to 7% irregularly?? quartz-carbonate in veins throughout. Mineralization : 7 to 10% fine grained, massive, pyrite in veins trace fine grained, arsenopyrite as fracture fillings, with py; trace fine grained, chalcopyrite as fracture fillings, with py at 55.5 m; 1% pyrrhotite as fracture fillings. Structure : vein at 45.5m at 30° to core axis, py, aspy 1cm, vein at 48.2m at 30° to core axis, massive py 10 cm, vein at 49m at 40° to core axis, mass py 3 cm, bedding at 58.9m at 30° to core axis, slip at 49.8m at 30° to core axis, 0.5 cm Gough strongly Aldred, vein at 55.5m at 30° to core axis, mass py 3 cm, lower contact at 63.6m at 80° to core axis, 1 cm rubble. 52.40 - 53.80 Broken core. 60.50 - 61.70. moderate limonitic alteration. Structure : moderate fractures at 60° to core axis. 61.70 - 62.00 Feldspar-Hornblende crystal. 63.20 - 63.60. Structure : moderate fractures, associated with L.C.
63.60	142.10	FELDSPAR-HORNBLENDE CRYSTAL. APD. Structure : vein at 92.8m at 45° to core axis, 0.5 cm py. 63.60 - 64.30, 2 to 3% 7 to 10 mm, subangular MT fragments. 64.30 - 64.70, strong limonitic alteration. 64.70 - 65.90, strong limonitic alteration, strong bleached. Structure : breccia, foliation at 45° to core axis, fault at 65.3m at 60° to core axis, seen gouge, 20cm lost core, weathered to clay, limonite, seen gouge, 20cm lost core, weathered to clay, limonite. 65.90 - 87.00 light to medium grey. 69.00 - 69.20, vuggy, strongly oxidized. 87.00 - 87.50 Broken core.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
3-5% py, trace as	5-7%	00027	49.00	50.00	1.00	n.a.
trace py,	2-3%	00028	50.00	51.50	1.50	n.a.
1.0% py, trace cp	2-3%	00029	54.60	55.60	1.00	n.a.
1-2% py,	1-2%	00030	55.60	56.70	1.10	n.a.
0.5% py,	2-3%	00031	62.10	63.60	1.50	n.a.
1-2% py,	2-3%	00032	63.60	64.70	1.10	n.a.
trace py,	1-2%	00033	64.70	65.90	1.20	n.a.
trace py,	1.0%	00034	65.90	67.40	1.50	n.a.
2-3% py,	3-5%	00035	88.60	89.60	1.00	n.a.
1-2% py,		00036	141.00	142.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		<p>Structure : lower contact at 87.5m at 35° to core axis, 8cm brecciation, strongly oxidized.</p> <p>87.50 - 88.60 Fault Zone.</p> <p>Strong limonitic alteration, clay alteration.</p> <p>Accessory Minerals: 60% Gouge; 30% rubble.</p> <p>88.60 - 90.80, moderate limonitic alteration, bleached weak silicified.</p> <p>96.00 - 98.80, moderate limonitic alteration, weak silicified.</p> <p>Structure : slip at 97.4m at 35° to core axis, oxidized slip, minor gouge.</p> <p>98.80 - 100.00, strong bleached.</p> <p>100.00 - 100.70, strong limonitic alteration.</p> <p>Structure : moderate broken core at 100.2m, 10 cm strongly oxidized broken Core, vein at 50° to core axis, vuggy cb/py vn, strongly oxidized.</p> <p>100.70 - 131.30 dark grey to green, moderate chloritic alteration.</p> <p>103.70 - 104.50 Broken core.</p> <p>strong limonitic alteration.</p> <p>107.30 - 116.30 Broken core.</p> <p>Strong limonitic alteration. Accessory Minerals: 3 to 5% Gouge, limonite clay; 10% rubble, 45 degrees.</p> <p>108.50 - 109.80 Broken core.</p> <p>Accessory Minerals: 3 to 5% rubble; 3 to 5% Gouge.</p> <p>Structure : slip at 108.5m at 45° to core axis, 2 cm gouge, slip at 109.6m at 15° to core axis, 5% gouge, 10 cm rubble.</p> <p>111.40 - 111.50 Accessory Minerals: 3 to 5% Gouge,</p> <p>Structure : slip at 111.4m at 45° to core axis, 10 cm rubble 5 % gouge.</p> <p>112.35 - 112.45 Accessory Minerals: 3 to 5% Gouge,</p> <p>Structure : slip at 112.4m at 60° to core axis, 10 cm rubble 5 % gouge.</p> <p>113.85 - 113.95.</p> <p>Structure : slip at 113.9m at 50-65° to core axis, 6</p>

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1-2% py,		00037	142.00	143.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		cm day gouge.
		115.70 - 115.90, moderate silicified, bleached.
		128.10 - 128.30 Broken core. moderate limonitic alteration.
		129.30 - 129.80 Broken core.
		131.30 - 131.40 Broken core. moderate limonitic alteration.
		Structure : slip at 134.2m at 30° to core axis, 1 mm gouge, 3 cm rubble, str. oxid'n, irregular vein at 136.6m at 60° to core axis, 0.5 cm py vn.
		136.90 - 137.00 grey, strong bleached, silicified.
		140.50 - 141.00 pale green to grey, strong bleached.
		Structure : lower contact at 141m at 80° to core axis.
		141.00 - 142.10 Fault Zone. Medium tan, strongly brecciated. strong limonitic Alteration. Accessory Minerals: 7 to 10% Gouge; 30% rubble.
		Structure : lower contact at 142.1m at 70° to core axis, fault zone at 141.1m, 10 cm fault zone, fault at 141.3m, fault at 141.46m, fault at 141.6m.
142.10	144.10	CONTACT BRECCIAS. 90% Fhx-10% BT. moderate fractured, micro fractures. Mineralization : 3 to 5% pyrite as blebs and as fracture fillings. Structure : lower contact at 144.1m at 40° to core axis.
144.10	284.10	VERY FINE TUFF. black to light to medium grey, fine grain size. bedded, massive. Mineralization : 1 to 2% pyrite; 1 to 2% pyrrhotite; trace chalcopyrite. Structure : vein at 165.1m at 35° to core axis, 2.5 cm q.v. bedding at 167.3m, bedding at 176.9m at 20° to core axis, bedding at 188.2m at 45° to core axis, bedding at 206.4m at 55° to core axis, loadcasts at 205.3m, bedding at 220.7m at 30° to core axis,

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU</u>	
			<u>From</u>	<u>To</u>	<u>Width</u>	<u>g/t</u>
1.0% py,		00038	143.00	144.00	1.00	n.a.
1.0% po,		00039	159.30	160.30	1.00	n.a.
1.0% po,1.0% cp		00040	160.30	161.30	1.00	n.a.
1-2% po,		00041	187.00	188.00	1.00	n.a.
trace cp,1.0% po		00042	218.00	219.00	1.00	n.a.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>
		bedding at 242m at 20° to core axis, lower contact at 284.1m at 40° to core axis, veinlets at 167.8m at 35° to core axis, ax cutting bedding, vein at 222.4m at 40° to core axis, q.v. vein at 223.8m at 25° to core axis, q.v.
		159.30 - 166.10 Contact Breccias. 1 to 3 mm avg. pheno size, very coarse grain size. Phenocrysts: 1 to 3 mm quartz; 1 to 3 mm feldspar. Structure : upper contact at 159.3m at 60° to core axis, lower contact at 166.1m at 60° to core axis, veinlets at 160.8m at 60° to core axis, py+cpy+po ff, vein at 165.15m at 40° to core axis, 2.5 cm q.v, py+cpy+po ff.
		187.40 - 188.60 Accessory Minerals: 10% Axinite; 70% quartz. Mineralization : 1 to 2% pyrite.
		190.70 - 192.50 Broken core. Accessory Minerals: 2 to 3% rubble.
		200.90 - 203.00 medium Tuff.
		208.15 - 208.40 Contact Breccias. 213.10 - 213.60 Broken core. Accessory Minerals: 1 to 2% rubble.
		215.30 - 215.60 Broken core. Accessory Minerals: 1% rubble.
		233.50 - 233.60 Broken core. Accessory Minerals: 1% rubble.
		245.30 - 245.60 Broken core. Accessory Minerals: 1 to 2% rubble.
		248.00 - 248.50 Broken core.
		248.71 - 249.02 Lost core. 249.20 - 249.40 Broken core.
		250.00 - 251.60 dark green.
		250.30 - 250.50. Structure : vein at 70° to core axis, 20 cm carb vn.
		250.50 - 250.80 Broken core. Accessory Minerals: 1 to 2% rubble, vuggy; trace Gouge 1% epidote.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
			<u>From</u>	<u>To</u>		
0.5% cp,1.0% po		00043	237.00	238.00	1.00	n.a.
1.0% py,		00044	251.00	252.20	1.20	n.a.
1-2% py,		00045	252.20	253.50	1.30	n.a.
1.0% py,		00046	253.50	254.50	1.00	n.a.
3-5% py,trace po		00047	258.00	259.00	1.00	n.a.
2-3% py,trace po		00048	259.00	260.00	1.00	n.a.
3-5% py,trace po		00049	260.00	261.00	1.00	n.a.
1.0% po,trace py		00050	276.50	277.50	1.00	n.a.
3-5% po,1.0% py		00051	277.50	278.50	1.00	n.a.
2-3% po,1.0% py		00052	278.50	279.50	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		251.60 - 252.20, quartz, 75% qtz; 20% carbonate; 3 to 5% epidote.
		252.60 - 253.00 Broken core.
		Mineralization : 1 to 2% as cubes, pyrite.
		253.50 - 254.00 Broken core.
		254.50 - 255.10 Broken core.
		Accessory Minerals: 1 to 2% rubble.
		256.10 - 256.60.
		Mineralization : disseminated pyrite.
		Structure : vein at 256.2m at 15° to core axis, 1.5 cm ax vn.
		259.60 - 259.90 Broken core.
		260.20 - 260.60.
		Mineralization : 0 to 4 mm, as cubes, pyrite.
		Structure : vein at 30° to core axis, 1 cm.
		260.60 - 260.90 Broken core.
		263.00 - 264.30, Axinite.
		Structure : vein at 263.5m at 35° to core axis, 7cm ax, vein at 263.6m at 25° to core axis, 2 Cm ax, vein at 264.1m at 50° to core axis, 2.5 cm ax, 2.5 cm ax.
		263.30 - 284.10.
		Mineralization : 1 to 2% disseminated as Blebsdisseminated pyrrotite as fracture fillings and as blebs blebsdisseminated pyrrotite as fracture fillings and as blebs blebs,po appears like py; trace pyrite.
		271.00 - 271.50 Broken core.
		Black Accessory Minerals: 1% rubble, poss tr Go or carbon.
		273.40 - 274.60 Accessory Minerals: 1% rubble.
		273.90 - 274.25 Broken core.
		Accessory Minerals: 1% rubble.
284.10	285.40	ANDESITE DYKES. light to medium green, 1 to 2 mm avg. pheno size, <1 mm grain size. Phenocrysts: 1 to 2 mm feldspar, altered to clay a ser; Accessory Minerals: <1 mm, blobs, chlorite. Structure : irregular lower contact.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		284.60 - 285.40 Broken core. Accessory Minerals: 2 to 3% rubble.
285.40	382.50	VERY FINE TUFF. apd faint beds. Black to medium to dark grey, very weakly bedded. Accessory Minerals: 1% Gouge; 1 to 2% rubble; trace Axinite. Mineralization : 1 to 2% pyrite; 1 to 2% pyrrhotite. Structure : vein at 292.4m at 30° to core axis, calcite vn, slip at 292.66m, 1 mm, 1% go, 3% rubble, slip at 292.7m, 1 mm, 1% go, 1% rubble, vein at 317.6m at 50° to core axis, 0.5 mm pebble vn, 2 cm ax vn @ 40 deg, bedding at 329.1m at 65° to core axis, vein at 375.6m at 5° to core axis, 1 mm, 1% go, 1% rubble. reamed core at & btw 336m; 2 points are 336m - took last 336m in the first run and 336m after the reaming. Extra 1.5m of core & rubble.
		285.40 - 286.00 Broken core. Accessory Minerals: 3 to 5% rubble. Mineralization : 1 to 2% disseminated pyrite.
		286.50 - 287.10 Broken core. Accessory Minerals: 1% rubble.
		294.60 - 294.74 Broken core.
		296.20 - 296.60 Broken core.
		296.85 - 297.00 Broken core. Accessory Minerals: calcite in veins, 2 mm.
		300.00 - 310.00, weak bleached, mottled, selective leaching btw fractures.
		318.10 - 318.30 Conglomerate.
		320.00 - 325.00 medium Tuff. light to medium grey, 1 to 2 mm grain size. massive.
		320.45 - 320.50, crackled brecciated. subrounded XBT fragments.
		325.50 - 325.60 Broken core.
		327.60 - 327.70 Broken core.
		331.10 - 331.20, crackled brecciated.
		331.60 - 332.20 Accessory Minerals: carbonate in veins; epidote in veins.
		Structure : vein at 331.85m at 80° to core axis, 4

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
			<u>From</u>	<u>To</u>	<u>Width</u>	
1.0% po,		00053	337.50	338.00	0.50	n.a.
1.0% po, trace py		00054	339.00	340.00	1.00	n.a.
2-3% po, 1.0% py		00055	340.00	341.00	1.00	n.a.
1-2% po, 1.0% py		00056	341.00	342.00	1.00	n.a.
1-2% po, 1.0% py		00057	342.00	343.50	1.50	n.a.
1.0% po, 0.5% py		00058	381.50	382.50	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		cm carb- epid vn, vein at 332m at 55° to core axis, 7 cm carb- epid vn.
		332.85 - 333.00 Broken core.
		Accessory Minerals: 1% rubble; trace Gouge.
		333.10 - 333.40 Broken core.
		Accessory Minerals: 1% rubble.
		335.30 - 335.40 Broken core.
		Accessory Minerals: 1% rubble.
		335.75 - 335.90 Broken core.
		Accessory Minerals: 1 to 2% rubble; trace Gouge.
		346.25 - 347.00 Broken core.
		Accessory Minerals: 3 to 5% rubble; 1% Gouge.
		Structure : slip at 346.7m at 40° to core axis, irregular veinlets at 364.75m at 40° to core axis, po vnl, irregular lower contact at 383.5m at 20-80° to core axis, irreg, sharp, irreg, sharp.
		346.70 - 357.40, irregularly fractured, carbonate ff micro fractures.
		353.80 - 355.25 Broken core.
		Accessory Minerals: 3 to 5% rubble; trace Gouge.
		355.25 - 356.80, crackled brecciated, bleaching of fragments.
		357.00 - 357.10 Broken core.
		357.10 - 382.50 fragmental very fine tuff.
		7 to 10 mm, subangular VT fragments.
		357.80 - 358.40 Broken core.
		Accessory Minerals: 2 to 3% rubble.
		358.40 - 358.70, brecciated, rubble breccia. 7 to 10 mm VT fragments.
		359.10 - 359.40 Broken core.
		Accessory Minerals: 1% rubble.
		361.00 - 361.40 Broken core.
		Accessory Minerals: 3 to 5% rubble.
		367.70 - 367.90 Broken core.
		375.80 - 376.00 Broken core.
		381.50 - 382.20 Accessory Minerals: micro veined,

<u>Sulphide</u> <u>%</u>	<u>Fracture</u> <u>Fill %</u>	<u>Sample</u> <u>Number</u>	<u>Sample Interval</u>			<u>AU</u> <u>g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	

<u>From</u>	<u>To</u>	<u>Unit Description</u>
382.50	384.05	Axinite as fracture fillings. ANDESITE DYKES. apd. Structure : lower contact at 384.05m at 45-85° to core axis.
384.05	386.45	FINE TUFF. carbon rich. black, fine grain size. Accessory Minerals: carbonate as fracture fillings. Mineralization : 1% bladed crystals, pyrite. Structure : lower contact at 386.45m at 85° to core axis. 385.65 - 385.71 Andesite Dykes. light brown to pale green. Structure : upper contact at 385.65m at 80° to core axis, lower contact at 385.71m at 85° to core axis.
386.45	387.52	ANDESITE DYKES. apd. Mineralization : 1% fine grained, disseminated pyrite. Structure : lower contact at 387.5m at 85° to core axis.
387.52	430.00	MEDIUM TUFF. black to medium to dark grey, fine grain size. massive. Mineralization : 1 to 2% 1 to 2 mm, bladed crystals, pyrite. Structure : vein at 399.2m at 35° to core axis, 2 cm carbonate vein at 403.2m at 25° to core axis, 1cm calcite, vein at 403.9m at 15° to core axis, 5 Cm calcite, vein at 403.6m at 20° to core axis, 1.5 cm calcite, 5 Cm calcite. 392.00 - 420.00 medium Tuff/ fragmental very fine tuff (60%/40%). MEDIUM TUFF : FRAGMENTAL VERY FINE TUFF : light to medium grey to green, 35% 4 to 32 mm, angular VT fragments; 3 to 5% 2 to 5 mm, anhedral MT fragments. Mineralization : 2 to 3% fine grained, pyrrhotite as

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>Width</u>	<u>AU g/t</u>
			<u>From</u>	<u>To</u>		
0.5% py, 0.5% po	0.5%	00059	388.98	389.98	1.00	n.a.
0.5% py, 1.0% po		00060	393.80	394.80	1.00	n.a.
2-3% po, 1.0% py		00061	419.00	420.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		blebs and as fracture fillings; 0.5% fine grained, pyrite as fracture fillings.
		396.80 - 397.00 Broken core. Accessory Minerals: 1% rubble.
		402.60 - 402.90 Broken core.
		403.10 - 403.20 Fault Zone. Accessory Minerals: 100% rubble, no gouge. drillers note reamed to 335.28m and a fault.
430.00	438.55	405.60 - 406.00 Broken core. FRAGMENTAL VERY FINE TUFF. in Mt. 7 to 10 mm, subangular VT fragments. Mineralization : 1% bladed crystals, pyrrhotite; 0.5% disseminated pyrite.
438.55	499.45	VERY FINE TUFF. weak silicified. Mineralization : 1 to 2% pyrrhotite as fracture fillings and as blebs; 1 to 2% pyrite as blebs. Structure : bedding at 440m at 40° to core axis, bedding at 442.5m at 10° to core axis, bedding at 449.6m at 15° to core axis, bedding at 472.6m at 20° to core axis, vein at 499.4m at 50° to core axis, 5 cm qtz-carb vn, lower contact at 499.45m at 50° to core axis. 451.00 - 451.40 Accessory Minerals: 20% irregularly?? quartz-carbonate. 451.40 - 457.40, local bleached, leached carbon which stands out from flu black BT. Mineralization : 1 to 2% pyrite as blebs and as fracture fillings; 1 to 2% pyrrhotite as fracture fillings and as blebs. 457.40 - 471.50, patchy bleached. Mineralization : trace chalcopyrite as blebs, along fracture plane at 468.4; 2 to 3% disseminated pyrrhotite as fracture fillings.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
1.0% py, 1.0% po		00062	438.60	440.00	1.40	n.a.
1.0% py,	0.5%	00063	456.50	457.50	1.00	n.a.
trace cp, 0.5% py 1.0% po,	0.5%	00064	468.00	469.00	1.00	n.a.
1.0% py, 0.5% po	1.0%	00065	492.00	493.00	1.00	n.a.
1-2% py,	1.0%	00066	493.00	494.00	1.00	n.a.
1.0% py, 1-2% po	1.0%	00067	494.00	495.00	1.00	n.a.
1-2% py, 1.0% po	1.0%	00068	495.00	496.00	1.00	n.a.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>
		471.00 - 471.50 Accessory Minerals: 15% irregularly?? quartz-carbonate, 25 deg @ 471.1m, 20 deg @ 471.2m, 2 cm @65 deg @ 471.3m.
		473.30 - 474.80 Broken core.
		477.30 - 477.50 Broken core.
		479.40 - 479.55 Broken core.
		Accessory Minerals: 3 to 5% rubble.
		479.70 - 480.40 Broken core.
		Accessory Minerals: 2 to 3% rubble; trace Gouge.
		486.50 - 486.80 Broken core.
		487.00 - 487.20 Broken core.
		Accessory Minerals: 1 to 2% rubble.
499.45	504.50	DYKE?. similar to dyke in #235, dyke darker poss due to carbon altn. Light to medium buff to tan, aphanitic grain size. massive. Accessory Minerals: 1 to 2% carbonate as fracture fillings. broken pieces of Core is very sharp and angular.
504.50	504.80	FAULT ZONE. Accessory Minerals: 10% Gouge, 4 cm gouge; 20% rubble.
504.80	505.45	CONTACT BRECCIAS. Medium to dark grey to black, <1 mm grain size. strongly crackled carbonate infilling fractures. 505.00 - 505.05 Broken core.
505.45	523.10	FINE TUFF. light grey to light green, <1 mm grain size. moderate bedded. Structure : bedding at 509.7m at 50° to core axis, bedding at 519.8m at 30° to core axis. 510.40 - 515.80 Accessory Minerals: 5 to 7% Axinite in veins. Structure : vein at 510.5m at 15° to core axis, 3 mm ax vn, vein at 512.2m at 30° to core axis, 6 cm ax vn,

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
			<u>From</u>	<u>To</u>	<u>Width</u>	
1-2% py, 1.0% po		00069	508.50	510.00	1.50	n.a.
1.0% py, 1.0% po	0.5%	00070	510.00	511.00	1.00	n.a.
1-2% po, 1.0% py 0.5% cp,	1-2%	00071	511.00	512.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		vein at 513.5m at 35° to core axis, 1 cm ax vn, vein at 514.7m at 25° to core axis, 1 cm ax vn, vein at 515.3m at 20° to core axis, 2-0.5 cm ax vn, 1 cm ax vn. 512.00 - 515.80 pale green, moderate brecciated. 515.80 - 519.50, massive. moderate chloritic alteration.
523.10	551.40	VERY FINE TUFF. dark green to black, fine grain size. laminated, bedded. Mineralization : 2 to 3% disseminated pyrrhotite as fracture fillings; 1 to 2% pyrite as blebs and as fracture fillings. Structure : bedding at 533.8m at 30° to core axis, vein at 531.9m at 50° to core axis, 5 cm carb vn, bedding at 546m at 30° to core axis, lower contact at 551.4m at 50° to core axis. 524.00 - 524.60. Structure : fining downward sequ. 532.90 - 533.10 Broken core. 540.70 - 550.80 light to pale green, moderate bleached. 543.40 - 544.10 Broken core. 544.30 - 544.40 Broken core. 544.80 - 545.10 Broken core. Accessory Minerals: 1% rubble. 547.50 - 547.70 Broken core. Accessory Minerals: 1% rubble. 550.10 - 550.25 Broken core. Accessory Minerals: 1% rubble. 550.70 - 550.90 Broken core. Accessory Minerals: 1% rubble.
551.40	561.50	VERY FINE TUFF/MEDIUM TUFF (60%/40%). nr bottom 1mm hbln xls. VERY FINE TUFF : interbedded, weakly bedded. Accessory Minerals: irregularly micro veined, Axinite, at 553 m. Mineralization : 1 to 2% disseminated pyrrhotite as fracture fillings; 1% disseminated as blebsdisseminated pyrite as fracture fillings and as blebs.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
1-2% po, 1.0% py trace cp,	1.0%	00072	534.50	535.50	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		Structure : vein at 560m at 65° to core axis, ax vn. MEDIUM TUFF : <1 mm grain size. 558.60 - 558.70 Broken core. Accessory Minerals: 1% rubble. 560.30 - 560.60 Broken core. Accessory Minerals: 1% rubble.
561.50	596.66	FELDSPAR-HORNBLLENDE CRYSTAL. Medium green, 1 to 2 mm avg. pheno size, massive, homogeneous. Phenocrysts: 10% 1 to 2 mm as accicular crystals, hornblende; Accessory Minerals: Axinite in veins. Mineralization : 3 to 5% disseminated as blebsdisseminated pyrrhotite as fracture fillings and as blebs; 1 to 2% disseminated pyrite as fracture fillings; trace chalcopyrite as blebs. Structure : broken core at 567.7m, vuggy, vein at 381.3m at 30° to core axis, ax vn. 561.50 - 561.70 Broken core. Accessory Minerals: 1 to 2% rubble. 574.00 - 575.00 Broken core. 580.00 - 593.00 light to medium green to light brown, moderate chloritic alteration, ?brown chlorite altn.
596.66	624.44	VERY FINE TUFF. medium to dark green, weak silicified, weak chloritic alteration. Mineralization : 1% pyrrhotite; 1% pyrite. Structure : bedding at 598.9m at 40° to core axis, bedding at 603.3m at 30° to core axis, bedding at 615.3m at 30° to core axis, vein at 616.7m at 20° to core axis, 3 cm carb vn, bedding at 620m at 45° to core axis. 596.66 - 597.00 Accessory Minerals: 20% Axinite in veins. Structure : vein at 596.66m at 40° to core axis, 8 cm, 7 cm ax vn. 607.90 - 609.20, moderate chloritic alteration. Accessory Minerals: 1% epidote.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
2-3% po,1.0% py trace cp,	2-3%	00073	566.00	567.00	1.00	n.a.
5-7% po,1.0% py 0.5% cp,	1.0%	00074	567.00	568.00	1.00	n.a.
3-5% po,1.0% py	1.0%	00075	568.00	569.00	1.00	n.a.
1-2% py,1.0% po		00076	588.00	589.00	1.00	n.a.
1-2% py,		00077	608.00	609.00	1.00	n.a.
2-3% py,	2-3%	00078	622.00	623.00	1.00	n.a.
1-2% py,1.0% po	1.0%	00079	623.00	624.45	1.45	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		Structure : vein at 607.7m at 20° to core axis, 0.75 cm epid vn.
		609.20 - 609.80 Accessory Minerals: 1 to 2% rubble
		620.40 - 620.50 Broken core.
		Accessory Minerals: 1% rubble.
		620.80 - 620.90 Broken core.
		Accessory Minerals: 1% rubble.
624.44	660.10	FELDSPAR-HORNBLENDE CRYSTAL.
		poss masked hbln or fs due to altn; some bedding-altd & broken.
		Medium to dark brown to pale green, massive, weakly fractured.
		Chloritic alteration. 0.5% 2 to 5 mm, subangular FHx fragments, localized fragments.
		Mineralization : 1 to 2% disseminated pyrite as fracture fillings; 1% disseminated pyrrhotite as fracture fillings; trace disseminated sphalerite as fracture fillings.
		Structure : lower contact at 660.1m at 55° to core axis.
		631.90 - 632.60 Broken core.
		634.00 - 635.00 Fragmental Feldspar-Hornblende crystal.
		3 to 5% 7 to 10 mm, angular FHx fragments.
		Mineralization : 1 to 2% pyrite; 1% pyrrhotite.
		638.30 - 639.30 very fine Tuff.
		Mineralization : 1% disseminated pyrite as fracture fillings, localized fragments; 1% disseminated pyrrhotite
		Structure : weak broken core.
		642.30 - 646.40 very fine Tuff.
		Mineralization : 1 to 2% pyrrhotite; 0.5% pyrite.
		644.60 - 644.90 Broken core.
		Accessory Minerals: 1% rubble.
		651.50 - 657.60 Broken core.
		Accessory Minerals: 1% rubble.
		652.30 - 653.30 Broken core.
		654.85 - 655.20 Broken core.
		Accessory Minerals: 2 to 3% rubble.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
1.0% po, 1.0% py		00081	626.00	627.00	1.00	n.a.
1.0% py, trace sp trace po,		00082	627.00	628.00	1.00	n.a.
1.0% py, 0.5% po	1.0%	00083	628.00	629.00	1.00	n.a.
trace py, trace po		00084	629.00	630.00	1.00	n.a.
1.0% py, trace po		00085	630.00	631.00	1.00	n.a.
1-2% py, 1.0% po	1.0%	00086	631.00	632.00	1.00	n.a.
1-2% py, 1.0% po		00087	632.00	633.00	1.00	n.a.
1.0% py, 1.0% po	1.0%	00088	633.00	634.00	1.00	n.a.
1.0% py, trace po		00089	634.00	635.00	1.00	n.a.
1.0% py, trace po		00090	635.00	636.00	1.00	n.a.
trace py, trace py		00091	636.00	637.00	1.00	n.a.
trace py, trace po		00092	637.00	638.30	1.30	n.a.
1.0% py, 1.0% po		00093	638.30	639.30	1.00	n.a.
1.0% py, trace po		00094	639.30	640.30	1.00	n.a.
1.0% py, trace po	1.0%	00095	640.30	641.30	1.00	n.a.
1.0% py, 1.0% po	0.5%	00096	641.30	642.30	1.00	n.a.

From To Unit Description

660.10 671.90 **VERY FINE TUFF.**
 apd.
 Accessory Minerals: throughout?? quartz-carbonate in veins.
 Structure : vein at 35-70° to core axis, qtz-carb vns, vein at

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1.0% py,	0.5%	00097	642.30	643.30	1.00	n.a.
1.0% py,	0.5%	00098	643.30	644.30	1.00	n.a.
20% po,1.0% py	1.0%	00099	644.30	645.30	1.00	n.a.
0.5% py,0.5% po	1.0%	00100	645.30	646.40	1.10	n.a.
1.0% py,trace po	0.5%	00101	646.30	648.00	1.70	n.a.
1.0% po,0.5% py	0.5%	00102	648.00	649.00	1.00	n.a.
1.0% py,0.5% po		00103	649.00	650.00	1.00	n.a.
1.0% po,trace py		00104	650.00	651.00	1.00	n.a.
trace py,trace po		00105	651.00	652.00	1.00	n.a.
1.0% py,trace po		00106	652.00	653.00	1.00	n.a.
trace po,trace py		00107	653.00	654.00	1.00	n.a.
1.0% po,1.0% py		00108	654.00	655.00	1.00	n.a.
trace py,trace po		00109	655.00	656.00	1.00	n.a.
1.0% py,0.5% po		00110	656.00	657.00	1.00	n.a.
1.0% py,0.5% po		00111	657.00	658.00	1.00	n.a.
1.0% po,0.5% py		00112	658.00	659.00	1.00	n.a.
1.0% po,0.5% py		00113	659.00	660.10	1.10	n.a.
0.5% py,		00114	660.10	661.00	0.90	n.a.

From To Unit Description
 661.9m at 35° to core axis, qtz-carb vn.

671.90 764.00 FELDSPAR-HORNBLLENDE CRYSTAL.
 apd.
 Light green, <1 mm grain size. massive. Accessory Minerals:
 throughout?? carbonate, 40-70 deg carb vn5. crystals, locally??
 tourmaline.
Mineralization : 2 to 3% disseminated as blebsdisseminated pyrite
 as fracture fillings and as blebs; 1% disseminated pyrrhotite;
 trace chalcopyrite as blebs.
 drillers note: at 675.74 m changed bit, extra 15 cm rubble.
 673.55 - 674.60 Broken core.
 Accessory Minerals: 3 to 5% rubble.
 676.80 - 677.10 Broken core.
 677.70 - 678.00 Broken core.
 688.30 - 688.70 Accessory Minerals: 40% carbonate
 in veins.
 698.00 - 705.00.
Mineralization : 1 to 2% disseminated pyrrhotite as
 fracture fillings.
 709.45 - 710.40 pale green to white, bleached.
 747.00 - 747.35 Broken core.
 Accessory Minerals: 0.5% rubble.
 753.00 - 754.00 Accessory Minerals: throughout??

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
trace py,		00115	661.00	662.00	1.00	n.a.
1.0% py,trace po		00116	662.00	663.00	1.00	n.a.
1.0% py,		00117	663.00	664.00	1.00	n.a.
trace py,		00118	664.00	665.00	1.00	n.a.
0.5% py,trace po		00119	665.00	666.00	1.00	n.a.
trace py,		00120	666.00	667.00	1.00	n.a.
trace py,		00121	667.00	668.00	1.00	n.a.
1.0% py,	0.5%	00122	668.00	669.00	1.00	n.a.
1.0% py,		00123	669.00	670.00	1.00	n.a.
1.0% py,		00124	670.00	671.00	1.00	n.a.
1.0% py,	0.5%	00125	671.00	671.90	0.90	n.a.
trace py,		00126	671.90	673.00	1.10	n.a.
1.0% py,	0.5%	00127	673.00	674.00	1.00	n.a.
0.5% py,		00128	674.00	675.00	1.00	n.a.
2-3% py,		00129	675.00	676.00	1.00	n.a.
1-2% py,	0.5%	00130	676.00	677.00	1.00	n.a.
1-2% py,		00131	677.00	678.00	1.00	n.a.
1-2% py,trace po		00132	678.00	679.00	1.00	n.a.

From To Unit Description
 quartz-carbonate.
Mineralization : 1% in veins sphalerite as blebs and as fracture fillings and in veins; 0.5% as cubes, galena; 1 to 2% pyrite.
 753.80 - 755.00, epidote alteration, vns. Accessory Minerals: 3 to 5% epidote as fracture fillings.
 754.60 - 755.10 Broken core.
 763.00 - 764.00 Feldspar-Hornblende crystal/ very fine Tuff (60%/40%).
 FELDSPAR-HORNBLLENDE CRYSTAL : interbedded.
 VERY FINE TUFF :

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
2-3% py,1.0% po	1.0%	00133	679.00	680.00	1.00	n.a.
3-5% py,1.0% po	2-3%	00134	680.00	681.00	1.00	n.a.
3-5% py,1.0% po	3-5%	00135	681.00	682.00	1.00	n.a.
3-5% py,1.0% po	2-3%	00136	682.00	683.00	1.00	n.a.
3-5% py,1.0% po	1-2%	00137	683.00	684.00	1.00	n.a.
7-10% py,0.5% po	1-2%	00138	684.00	685.00	1.00	n.a.
2-3% py,trace po	1.0%	00139	685.00	686.00	1.00	n.a.
1-2% py,trace po	1.0%	00140	686.00	687.00	1.00	n.a.
1-2% py,1.0% po	1.0%	00141	687.00	688.00	1.00	n.a.
1-2% py,	1.0%	00142	688.00	689.00	1.00	n.a.
2-3% py,1.0% po	1-2%	00143	689.00	690.00	1.00	n.a.
3-5% py,trace po	2-3%	00144	690.00	691.00	1.00	n.a.
3-5% py,trace po		00145	691.00	692.00	1.00	n.a.
2-3% py,1.0% po	1.0%	00146	692.00	693.00	1.00	n.a.
1-2% py,trace po	0.5%	00147	693.00	694.00	1.00	n.a.
2-3% py,1.0% po	1-2%	00148	694.00	695.00	1.00	n.a.
1-2% py,	1.0%	00149	695.00	696.00	1.00	n.a.

From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
0.5% py,	0.5%	00150	696.00	697.00	1.00	n.a.
1.0% py,1.0% po	0.5%	00151	697.00	698.00	1.00	n.a.
po,trace py	1.0%	00152	698.00	699.00	1.00	n.a.
po,1.0% py	1.0%	00153	699.00	700.00	1.00	n.a.
1.0% po,0.5% py	0.5%	00154	700.00	701.00	1.00	n.a.
20% po,trace py	0.5%	00155	701.00	702.00	1.00	n.a.
20% po,10% py	1.0%	00156	702.00	703.00	1.00	n.a.
1.0% py,1.0% po	1.0%	00157	703.00	704.00	1.00	n.a.
1.0% py,1.0% po	1.0%	00158	704.00	705.00	1.00	n.a.
20% py,1.0% po	1.0%	00159	705.00	706.00	1.00	n.a.
1.0% po,trace py		00160	706.00	707.00	1.00	n.a.
1.0% py,0.5% po	0.5%	00161	707.00	708.00	1.00	n.a.
1.0% py,0.5% po	1.0%	00162	708.00	709.00	1.00	n.a.
1.0% py,	1.0%	00163	709.00	710.00	1.00	n.a.
py,	1.0%	00164	710.00	711.00	1.00	n.a.
30% py,0.5% po	1-2%	00165	711.00	712.00	1.00	n.a.
3-5% py,1.0% po trace cp,	1.0%	00166	712.00	713.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	3-5% py,trace po	1.0%	00167	713.00	714.00	1.00	n.a.
	3-5% py,trace po	2-3%	00168	714.00	715.00	1.00	n.a.
	2-3% py,0.5% po	1.0%	00169	715.00	716.00	1.00	n.a.
	1.0% py,	0.5%	00170	716.00	717.00	1.00	n.a.
	2-3% py,0.5% po	1.0%	00171	717.00	718.00	1.00	n.a.
	2-3% py,0.5% po	1.0%	00172	718.00	719.00	1.00	n.a.
	1.0% py,0.5% po	1.0%	00173	719.00	720.00	1.00	n.a.
	1-2% py,1.0% po trace cp,	1.0%	00174	720.00	721.00	1.00	n.a.
	1-2% py,1.0% po	1.0%	00175	721.00	722.00	1.00	n.a.
	2-3% py,0.5% po	1-2%	00176	722.00	723.00	1.00	n.a.
	2-3% py,0.5% po	1.0%	00177	723.00	724.00	1.00	n.a.
	1-2% py,1.0% po	1-2%	00178	724.00	725.00	1.00	n.a.
	3-5% py,1.0% po	2-3%	00179	725.00	726.00	1.00	n.a.
	3-5% py,1.0% po	40%	00180	726.00	727.00	1.00	n.a.
	1.0% py,1.0% po	1.0%	00181	727.00	728.00	1.00	n.a.
	1.0% py,1-2% po	1-2%	00182	728.00	729.00	1.00	n.a.
	2-3% po,1.0% py	1.0%	00183	729.00	730.00	1.00	n.a.

From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
3-5% py,1-2% po	1-2%	00184	730.00	731.00	1.00	n.a.
3-5% py,2-3% po	1-2%	00185	731.00	732.00	1.00	n.a.
1-2% py,1.0% po	1.0%	00186	732.00	733.00	1.00	n.a.
1-2% py,trace po	0.5%	00187	733.00	734.00	1.00	n.a.
1.0% py,		00188	734.00	735.00	1.00	n.a.
1.0% py,	1.0%	00189	735.00	736.00	1.00	n.a.
3-5% py,	1-2%	00190	736.00	737.00	1.00	n.a.
3-5% py,trace po	2-3%	00191	737.00	738.00	1.00	n.a.
2-3% py,	2-3%	00192	738.00	739.00	1.00	n.a.
2-3% py,	2-3%	00192	738.00	739.00	1.00	n.a.
1-2% py,	1.0%	00193	739.00	740.00	1.00	n.a.
2-3% py,0.5% sp	1-2%	00194	740.00	741.00	1.00	n.a.
3-5% py,	2-3%	00195	741.00	742.00	1.00	n.a.
1-2% py,	1-2%	00196	742.00	743.00	1.00	n.a.
0.5% py,	0.5%	00197	743.00	744.00	1.00	n.a.
1.0% py,	1.0%	00198	744.00	745.00	1.00	n.a.
2-3% py,	0.5%	00199	745.00	746.00	1.00	n.a.
3-5% py,	2-3%	00200	746.00	747.00	1.00	n.a.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
2-3% py,	0.5%		00201	747.00	748.00	1.00	n.a.
2-3% py,	1.0%		00202	748.00	749.00	1.00	n.a.
2-3% py,	1.0%		00203	749.00	750.00	1.00	n.a.
1-2% py,	1-2%		00204	750.00	751.00	1.00	n.a.
1-2% py,	1-2%		00205	751.00	752.00	1.00	n.a.
1-2% py,trace po	0.5%		00206	752.00	753.00	1.00	n.a.
1.0% py,1.0% sp 0.5% ga,	1.0%		00207	753.00	754.00	1.00	n.a.
40% py,	40%		00208	754.00	755.00	1.00	n.a.
2-3% py,	1-2%		00209	755.00	756.00	1.00	n.a.
1.0% py,	1.0%		00210	756.00	757.00	1.00	n.a.
1.0% py,	0.5%		00211	757.00	758.00	1.00	n.a.
1.0% py,			00212	758.00	759.00	1.00	n.a.
3-5% py,	1.0%		00213	759.00	760.00	1.00	n.a.
1-2% py,	1.0%		00214	760.00	761.00	1.00	n.a.
40% py,	1-2%		00215	761.00	762.00	1.00	n.a.
1.0% py,	0.5%		00216	762.00	763.00	1.00	n.a.
2-3% py,	1.0%		00217	763.00	764.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
764.00	809.93	<p>FINE TUFF/ VERY FINE TUFF (70%/30%). FINE TUFF : light to medium green, locally brecciated, 770-771 M Accessory Minerals: fractured, quartz-carbonate in veins, 30 to 60 deg qtz- carb vns. Mineralization : 1 to 2% disseminated as blebsdisseminated pyrite as fracture fillings and as blebs; trace disseminated pyrrhotite.</p> <p>VERY FINE TUFF : medium to dark black, bedded. Structure : bedding at 764.8m at 60° to core axis, bedding at 773.4m at 60° to core axis, bedding at 786m at 35° to core axis bedding at 793.6m at 45° to core axis, vein at 791.1m at 40° to core axis, 3 mm ax vn.</p> <p>770.90 - 771.00 Broken core. Accessory Minerals: 1% rubble.</p> <p>802.00 - 806.00. Mineralization : 2 to 3% disseminated pyrrhotite as fracture fillings.</p> <p>803.10 - 803.40 Feldspar-Hornblende Quartz porphyry. Medium green to light blue, 2 to 16 mm avg. pheno size, 2 To 16 mm grain size. Phenocrysts: 5 to 7% 2 to 16 mm eyes quartz; 2 to 5 mm feldspar. Mineralization : 2 to 3% pyrite; 3 to 5% pyrrhotite 1% chalcopyrite.</p> <p>809.20 - 809.93 Accessory Minerals: carbonate in veins. Structure : vein at 30-40° to core axis, carb vns.</p>

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
1.0% py,	0.5%	00218	764.00	765.00	1.00	n.a.
1.0% py,		00219	765.00	766.00	1.00	n.a.
1.0% py,		00220	766.00	767.00	1.00	n.a.
1-2% py,	0.5%	00221	767.00	768.00	1.00	n.a.
1.0% py,0.5% po		00222	768.00	769.00	1.00	n.a.
0.5% py,trace po		00223	769.00	770.00	1.00	n.a.
1.0% py,	0.5%	00224	770.00	771.00	1.00	n.a.
1.0% py,	0.5%	00225	771.00	772.00	1.00	n.a.
1.0% py,	0.5%	00226	772.00	773.00	1.00	n.a.
1-2% py,		00227	773.00	774.00	1.00	n.a.
1-2% py,	1-2%	00228	774.00	775.00	1.00	n.a.
0.5% py,		00229	775.00	776.00	1.00	n.a.
1-2% py,	0.5%	00230	776.00	777.00	1.00	n.a.
1.0% py,		00231	777.00	778.00	1.00	n.a.
1.0% py,1.0% po		00232	778.00	779.00	1.00	n.a.
1.0% py,		00233	779.00	780.00	1.00	n.a.
1.0% py,		00234	780.00	781.00	1.00	n.a.

From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
			From	To		
2-3% py,		00235	781.00	782.00	1.00	n.a.
1.0% py,		00236	782.00	783.00	1.00	n.a.
1-2% py,		00237	783.00	784.00	1.00	n.a.
1.0% py,		00238	784.00	785.00	1.00	n.a.
1.0% py,		00239	785.00	786.00	1.00	n.a.
1.0% py,		00240	786.00	787.00	1.00	n.a.
1-2% py,		00241	787.00	788.00	1.00	n.a.
1.0% py,		00242	788.00	789.00	1.00	n.a.
1.0% py,		00243	789.00	790.00	1.00	n.a.
0.5% py,		00244	790.00	791.00	1.00	n.a.
0.5% py,		00245	791.00	792.00	1.00	n.a.
1.0% py,	0.5%	00246	792.00	793.00	1.00	n.a.
1.0% py,		00247	793.00	794.00	1.00	n.a.
1.0% py,	1.0%	00248	794.00	795.00	1.00	n.a.
1.0% py,0.5% po	0.5%	00249	795.00	796.00	1.00	n.a.
1.0% py,0.5% po		00250	796.00	797.00	1.00	n.a.
1.0% py,trace po		00251	797.00	798.00	1.00	n.a.
1-2% py,	1.0%	00252	798.00	799.00	1.00	n.a.

From To Unit Description

809.93 867.54 **VERY FINE TUFF.**

apd.
 Accessory Minerals: 30% Gouge, at 849 m fault; 25% rubble.
Mineralization : 3 to 5% pyrite as blebs and as fracture fillings.
Structure : bedding at 813.8m at 50° to core axis, bedding at 821.4m at 65° to core axis, bedding at 838.4m at 25° to core axis, bedding at 848.1m at 40° to core axis, fault at 849m at 80° to core axis, 1 cm, bedding at 860.6m at 30° to core axis.
 846.00 - 846.20 Lost core.
 846.43 - 846.70 Broken core.
 857.76 - 857.80 Broken core.
 Accessory Minerals: 3 to 5% rubble.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
			From	To		
1.0% py,	0.5%	00253	799.00	800.00	1.00	n.a.
1.0% py,		00254	800.00	801.00	1.00	n.a.
1.0% py,1.0% po	1.0%	00255	801.00	802.00	1.00	n.a.
1-2% py,1.0% po		00256	802.00	803.00	1.00	n.a.
1.0% py,1-2% po		00257	803.00	804.00	1.00	n.a.
2-3% po,1-2% py trace cp,		00258	804.00	805.00	1.00	n.a.
1-2% py,1-2% po	1.0%	00259	805.00	806.00	1.00	n.a.
1-2% py,1.0% po		00260	806.00	807.00	1.00	n.a.
2-3% py,0.5% po		00261	807.00	808.00	1.00	n.a.
3-5% py,trace po	1-2%	00262	808.00	809.00	1.00	n.a.
0.5% py,		00263	809.00	810.00	1.00	n.a.
3-5% py,	2-3%	00264	810.00	811.00	1.00	n.a.
2-3% py,	1-2%	00265	811.00	812.00	1.00	n.a.
3-5% py,	1-2%	00266	812.00	813.00	1.00	n.a.
2-3% py,	1-2%	00267	813.00	814.00	1.00	n.a.
2-3% py,	1.0%	00268	814.00	815.00	1.00	n.a.
3-5% py,	1-2%	00269	815.00	816.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>	<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
						<u>From</u>	<u>To</u>	<u>Width</u>	
		2-3% py,	1-2%		00270	816.00	817.00	1.00	n.a.
		2-3% py,	1.0%		00271	817.00	818.00	1.00	n.a.
		2-3% py,	1.0%		00272	818.00	819.00	1.00	n.a.
		2-3% py,	0.5%		00273	819.00	820.00	1.00	n.a.
		2-3% py,	1.0%		00274	820.00	821.00	1.00	n.a.
		1.0% py,	0.5%		00275	821.00	822.00	1.00	n.a.
		2-3% py,	0.5%		00276	822.00	823.00	1.00	n.a.
		1.0% py,	0.5%		00277	823.00	824.00	1.00	n.a.
		1.0% py,			00278	824.00	825.00	1.00	n.a.
		1-2% py,	0.5%		00279	825.00	826.00	1.00	n.a.
		2-3% py,	1.0%		00280	826.00	827.00	1.00	n.a.
		1.0% py,			00281	827.00	828.00	1.00	n.a.
		2-3% py,	0.5%		00282	828.00	829.00	1.00	n.a.
		1-2% py,	0.5%		00283	829.00	830.00	1.00	n.a.
		1-2% py,	0.5%		00284	830.00	831.00	1.00	n.a.
		1.0% py,			00285	831.00	832.00	1.00	n.a.
		1-2% py,			00286	832.00	833.00	1.00	n.a.
		py,	0.5%		00287	833.00	834.00	1.00	n.a.

From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1.0% py,		00288	834.00	835.00	1.00	n.a.
1-2% py,	1.0%	00289	835.00	836.00	1.00	n.a.
1-2% py,		00290	836.00	837.00	1.00	n.a.
1-2% py,	1.0%	00291	837.00	838.00	1.00	n.a.
1-2% py,	0.5%	00292	838.00	839.00	1.00	n.a.
2-3% py,	1.0%	00293	839.00	840.00	1.00	n.a.
1-2% py,	0.5%	00294	840.00	841.00	1.00	n.a.
1-2% py,	0.5%	00295	841.00	842.00	1.00	n.a.
3-5% py,	1-2%	00296	842.00	843.00	1.00	n.a.
1-2% py,	0.5%	00297	843.00	844.00	1.00	n.a.
2-3% py,	0.5%	00298	844.00	845.00	1.00	n.a.
1.0% py,		00299	845.00	846.00	1.00	n.a.
1.0% py,	0.5%	00300	846.20	847.00	0.80	n.a.
2-3% py,	0.5%	00301	847.00	848.00	1.00	n.a.
2-3% py,	0.5%	00302	848.00	849.00	1.00	n.a.
1-2% py,	1-2%	00303	849.00	850.00	1.00	n.a.
1-2% py,	1.0%	00304	850.00	851.00	1.00	n.a.
1-2% py,	1.0%	00305	851.00	852.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

867.54 940.10 **FINE TUFF.**
 medium green, <1 mm grain size. weak chloritic alteration.
Mineralization : 3 to 5% pyrite; 1% pyrrhotite; trace
 chalcopyrite.
Structure : bedding at 868.9m at 40° to core axis, vein at
 868.7m at 55° to core axis, 3 cm carb-gypsum vn, vein at 868.4m at

867.54 - 900.25 Key horizon
 Gypsum zone.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1.0% py,	1.0%	00306	852.00	853.00	1.00	n.a.
1.0% py,	0.5%	00307	853.00	854.00	1.00	n.a.
1.0% py,	0.5%	00308	854.00	855.00	1.00	n.a.
1-2% py,		00309	855.00	856.00	1.00	n.a.
1.0% py,	1.0%	00310	856.00	857.00	1.00	n.a.
1-2% py,	0.5%	00311	857.00	858.00	1.00	n.a.
2-3% py,	0.5%	00312	858.00	859.00	1.00	n.a.
1-2% py,	1.0%	00313	859.00	860.00	1.00	n.a.
1.0% py,		00314	860.00	861.00	1.00	n.a.
1.0% py,	0.5%	00315	861.00	862.00	1.00	n.a.
1-2% py,	0.5%	00316	862.00	863.00	1.00	n.a.
1-2% py,	0.5%	00317	863.00	864.00	1.00	n.a.
1.0% py,		00318	864.00	865.00	1.00	n.a.
1-2% py,	0.5%	00319	865.00	866.00	1.00	n.a.
0.5% py,		00320	866.00	867.54	1.54	n.a.
1.0% py,	0.5%	00321	867.54	869.00	1.46	n.a.
1.0% py,		00322	869.00	870.00	1.00	n.a.
1.0% py,		00323	870.00	871.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		35° to core axis, 1 cm carb-gypsum vn, vein at 875.15m at 30° to core axis, 1 cm gypsum vn, bedding at 901.2m at 20° to core axis 1 cm carb-gypsum vn.
		867.60 - 867.95 Broken core.
		876.23 - 883.20 fine Tuff/ very fine Tuff (80%/20%). FINE TUFF :
		VERY FINE TUFF :
		882.45 - 883.10 Broken core. Accessory Minerals: 15% rubble.
		883.36 - 884.00 Broken core. 900.25 - 913.20, strong chloritic alteration.
		900.30 - 900.90 Broken core. Accessory Minerals: 1 to 2% rubble.
		902.10 - 902.46 Lost core. Drillers note reaming pulled rods about 10 cm rubble possible core rubble or foreign.
		903.15 - 903.40, vuggy, calcite infilling.
		908.23 - 909.10 Lost core. Accessory Minerals: 2 to 3% rubble.
		913.20 - 927.55, bleached. Mineralization : 5 to 7% disseminated pyrite as fracture fillings.
		915.00 - 916.00 Lost core.
		915.60 - 916.00, moderate Fe-carb, carbonate altn.
		918.20 - 918.38 Fault Zone.
		918.20 - 918.38 Fault Zone. Accessory Minerals: 3 to 5% Gouge; 7 to 10% rubble
		918.80 - 919.60, highly fractured.
		920.00 - 921.40 Broken core. Accessory Minerals: 1% Gouge; 25% rubble.
		923.70 - 924.20 Broken core.
		926.50 - 926.55 Broken core.
		927.10 - 927.20 Broken core.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
1-2% py,		00324	871.00	872.00	1.00	n.a.
1.0% py,	0.5%	00325	872.00	873.00	1.00	n.a.
1.0% py,		00326	873.00	874.00	1.00	n.a.
1-2% py,	0.5%	00327	874.00	875.00	1.00	n.a.
1-2% py,	0.5%	00328	875.00	876.23	1.23	n.a.
2-3% py,		00329	876.23	877.00	0.77	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		Accessory Minerals: 1% rubble.
927.18	928.00	Lost core.
928.00	928.50	crackled brecciated.
931.77	937.95	Lost core.
932.00	940.10	strong chloritic alteration.
934.00	940.10	crackled brecciated.
938.10	938.60	Accessory Minerals: 15% crystals, vuggy, calcite.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1-2% py,		00330	877.00	878.00	1.00	n.a.
1-2% py,	1.0%	00331	878.00	879.00	1.00	n.a.
1-2% py,		00332	879.00	880.00	1.00	n.a.
1-2% py,		00333	880.00	881.00	1.00	n.a.
2-3% py,	0.5%	00334	881.00	882.00	1.00	n.a.
1.0% py,	0.5%	00335	882.00	883.20	1.20	n.a.
1.0% py,	1.0%	00336	883.20	884.00	0.80	n.a.
2-3% py,	1-2%	00337	884.00	885.00	1.00	n.a.
2-3% py,	1-2%	00338	885.00	886.00	1.00	n.a.
1.0% py,		00339	886.00	887.00	1.00	n.a.
3-5% py,	1-2%	00340	887.00	888.00	1.00	n.a.
3-5% py,	1.0%	00341	888.00	889.00	1.00	n.a.
3-5% py,	1-2%	00342	889.00	890.00	1.00	n.a.
2-3% py,	2-3%	00343	890.00	891.00	1.00	n.a.
1.0% py,		00344	891.00	892.00	1.00	n.a.
1-2% py,	1.0%	00345	892.00	893.00	1.00	n.a.
1.0% py,		00346	893.00	894.00	1.00	n.a.
2-3% py,	1.0%	00347	894.00	895.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
3-5% py,	0.5%		00348	895.00	896.00	1.00	n.a.
1-2% py,			00349	896.00	897.00	1.00	n.a.
3-5% py,			00350	897.00	898.00	1.00	n.a.
50% py,			00351	898.00	899.00	1.00	n.a.
30% py,	0.5%		00352	899.00	900.00	1.00	n.a.
30% py,	1.0%		00353	900.00	901.00	1.00	n.a.
py,	1-2%		00354	901.00	902.00	1.00	n.a.
1.0% py,			00355	902.00	903.00	1.00	n.a.
20% py,			00356	903.00	904.00	1.00	n.a.
1-2% py,	1.0%		00357	904.00	905.00	1.00	n.a.
2-3% py,	1-2%		00358	905.00	906.00	1.00	n.a.
2-3% py,	1.0%		00359	906.00	907.00	1.00	n.a.
3-5% py,	1.0%		00360	907.00	908.00	1.00	n.a.
3-5% py,	1.0%		00361	908.00	909.00	1.00	n.a.
2-3% py,	1.0%		00362	909.00	910.00	1.00	n.a.
2-3% py,	1.0%		00363	910.00	911.00	1.00	n.a.
2-3% py,	1.0%		00364	911.00	912.00	1.00	n.a.
3-5% py,	2-3%		00365	912.00	913.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t
				From	To	
	3-5% py,	2-3%	00366	913.00	914.00	1.00 n.a.
	1-2% py,	1.0%	00367	914.00	915.00	1.00 n.a.
	1-2% py,		00368	915.00	916.00	1.00 n.a.
	5-7% py,	1-2%	00369	916.00	917.00	1.00 n.a.
	2-3% py,	2-3%	00370	917.00	918.00	1.00 n.a.
	3-5% py,	2-3%	00371	918.00	919.00	1.00 n.a.
	10% py,	2-3%	00372	919.00	920.00	1.00 n.a.
	1-2% py,		00373	920.00	921.00	1.00 n.a.
	3-5% py,		00374	921.00	922.00	1.00 n.a.
	3-5% py,	1-2%	00375	922.00	923.00	1.00 n.a.
	3-5% py,	2-3%	00376	923.00	924.00	1.00 n.a.
	2-3% po,		00377	924.00	925.00	1.00 n.a.
	5-7% py,	3-5%	00378	925.00	926.00	1.00 n.a.
	2-3% py,	1.0%	00379	926.00	927.00	1.00 n.a.
	2-3% py,	1.0%	00380	927.00	928.00	1.00 n.a.
	40% py,	1-2%	00381	928.00	929.00	1.00 n.a.
	2-3% py,	1.0%	00382	929.00	930.00	1.00 n.a.
	2-3% py,	2-3%	00383	930.00	931.00	1.00 n.a.

From To Unit Description

940.10 944.60 FRAGMENTAL MEDIUM TUFF.
 Medium to dark green, <1 mm grain size. moderate chloritic alteration. 4 to 16mm, subangular FT fragments.
Mineralization : 7 to 10% disseminated pyrite as fracture fillings 943.55 - 955.00, moderate epidote alteration.

943.60 1120.00 FINE TUFF.
 apd, locally highly mineralized up to 30%.
Mineralization : 5 to 7% pyrite; trace sphalerite; 0.5% chalcopyrite.
Structure : bedding at 976.5m at 25° to core axis, vein at 978.3m at 45° to core axis, 4 cm carbonate vn, vein at 990.5m at 70° to core axis, 10 cm carbonate, slip at 1085.55m at 30-40°

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
1.0% py,		00384	931.00	932.00	1.00	n.a.
1.0% py,		00385	932.00	933.00	1.00	n.a.
1-2% py,	1.0%	00386	933.00	934.00	1.00	n.a.
2-3% py,	1-2%	00387	934.00	935.00	1.00	n.a.
1-2% py,		00388	935.00	936.00	1.00	n.a.
3-5% py,	2-3%	00389	936.00	937.00	1.00	n.a.
2-3% py,	2-3%	00390	937.00	938.00	1.00	n.a.
2-3% py,	2-3%	00391	938.00	939.00	1.00	n.a.
3-5% py,	3-5%	00392	939.00	940.10	1.10	n.a.
2-3% py,	1-2%	00393	940.10	941.00	0.90	n.a.
5-7% py,	3-5%	00394	941.00	942.00	1.00	n.a.
15% py,	2-3%	00395	942.00	943.00	1.00	n.a.
40% py,	20%	00396	943.00	944.60	1.60	n.a.
2-3% py,	1.0%	00397	944.60	946.00	1.40	n.a.
3-5% py,	1-2%	00398	946.00	947.00	1.00	n.a.
3-5% py,	2-3%	00399	947.00	948.00	1.00	n.a.
2-3% py,	1.0%	00400	948.00	949.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>	<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
						<u>From</u>	<u>To</u>	<u>Width</u>	
		to core axis, 2 mm fault, 10 cm carbonate. at 1008.75 m core size changed from BDBGM to BQ. At 1113.5m rods were pulled out, but were inserted at a slightly different angle.	3-5% py,0.5% po		00401	949.00	950.00	1.00	n.a.
		947.90 - 948.30 Accessory Minerals: quartz in veins quartz epidote-axinite vn; epidote; Axinite.	2-3% py,	2-3%	00402	950.00	951.00	1.00	n.a.
		999.00 - 1041.00 light grey, moderate bleached, strong sericitic alteration.	py,	1-2%	00403	951.00	952.00	1.00	n.a.
		1017.60 - 1018.50 Accessory Minerals: 20% quartz-carbonate in veins, quartz epidote-axinite vn; 3 to 5% epidote in veins.	40% py,	2-3%	00404	952.00	953.00	1.00	n.a.
		1029.30 - 1031.00 Broken core.	5-7% py,	3-5%	00405	953.00	954.00	1.00	n.a.
		Mineralization : 15% disseminated pyrite.	3-5% py,	2-3%	00406	954.00	955.00	1.00	n.a.
		1032.00 - 1032.67 Broken core.	2-3% py,	2-3%	00407	955.00	956.00	1.00	n.a.
		1038.00 - 1041.00, moderate fractured, fractures infilled by py.	5-7% py,	2-3%	00408	956.00	957.00	1.00	n.a.
		1048.35 - 1049.00 Broken core. Accessory Minerals: 1% rubble.	3-5% py,	1.0%	00409	957.00	958.00	1.00	n.a.
		1056.52 - 1057.16 Broken core. Accessory Minerals: 1% rubble.	10% py,	2-3%	00410	958.00	959.00	1.00	n.a.
		1058.10 - 1058.30 Broken core.	5-7% py,	3-5%	00411	959.00	960.00	1.00	n.a.
		1059.00 - 1063.50 Accessory Minerals: fuchsite in veins, quartz epidote-axinite vn.	2-3% py,	1.0%	00412	960.00	961.00	1.00	n.a.
		1067.00 - 1067.30 Lost core. Accessory Minerals: 2 to 3% rubble.	15% py,	5-7%	00413	961.00	962.00	1.00	n.a.
		1072.00 - 1073.20 Broken core. Accessory Minerals: 3 to 5% rubble.	7-10% py,	2-3%	00414	962.00	963.00	1.00	n.a.
		1074.35 - 1075.00 Broken core. Accessory Minerals: 2 to 3% rubble.	10% py,	1.0%	00415	963.00	964.00	1.00	n.a.
		1076.10 - 1076.30 Accessory Minerals: vuggy, quartz-carbonate, quartz epidote-axinite vn.	20% py,	1.0%	00416	964.00	965.00	1.00	n.a.
		Structure : vein at 1076.1m at 30° to core axis 30 cm qz- carb vn.	15% py,	1-2%	00417	965.00	966.00	1.00	n.a.
			3-5% py,	3-5%	00418	966.00	967.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
				From	To	Width	
30% py,		1-2%	00419	967.00	968.00	1.00	n.a.
20% py,		2-3%	00420	968.00	969.00	1.00	n.a.
5-7% py,			00421	969.00	970.00	1.00	n.a.
7-10% py,		5-7%	00422	970.00	971.00	1.00	n.a.
15% py,			00423	971.00	972.00	1.00	n.a.
5-7% py,		1.0%	00424	972.00	973.00	1.00	n.a.
10% py,			00425	973.00	974.00	1.00	n.a.
35% py,		2-3%	00426	974.00	975.00	1.00	n.a.
20% py,		1-2%	00427	975.00	976.00	1.00	n.a.
20% py,		10%	00428	976.00	977.00	1.00	n.a.
10% py,		3-5%	00429	977.00	978.00	1.00	n.a.
25% py,		5-7%	00430	978.00	979.00	1.00	n.a.
15% py,		2-3%	00431	979.00	980.00	1.00	n.a.
5-7% py,		1.0%	00432	980.00	981.00	1.00	n.a.
5-7% py,			00433	981.00	982.00	1.00	n.a.
5-7% py,			00434	982.00	983.00	1.00	n.a.
10% py,		1.0%	00435	983.00	984.00	1.00	n.a.
3-5% py,		1-2%	00436	984.00	985.00	1.00	n.a.

From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
15% py,	1.0%	00437	985.00	986.00	1.00	n.a.
10% py,		00438	986.00	987.00	1.00	n.a.
10% py,		00439	987.00	988.00	1.00	n.a.
5-7% py,	1-2%	00440	988.00	989.00	1.00	n.a.
5-7% py,		00441	989.00	990.00	1.00	n.a.
25% py,		00442	990.00	991.00	1.00	n.a.
15% py,	2-3%	00443	991.00	992.00	1.00	n.a.
15% py,		00444	992.00	993.00	1.00	n.a.
15% py,		00445	993.00	994.00	1.00	n.a.
10% py,		00446	994.00	995.00	1.00	n.a.
10% py,		00447	995.00	996.00	1.00	n.a.
10% py,		00448	996.00	997.00	1.00	n.a.
5-7% py,		00449	997.00	998.00	1.00	n.a.
5-7% py,		00450	998.00	999.00	1.00	n.a.
5-7% py,		00451	999.00	1000.00	1.00	n.a.
1.0% py,		00452	1000.00	1001.00	1.00	n.a.
1-2% py,		00453	1001.00	1002.00	1.00	n.a.
15% py,		00454	1002.00	1003.00	1.00	n.a.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
				From	To	Width	
	5-7% py,		00455	1003.00	1004.00	1.00	n.a.
	10% py,		00456	1004.00	1005.00	1.00	n.a.
	2-3% py,		00457	1005.00	1006.00	1.00	n.a.
	1-2% py,		00458	1006.00	1007.00	1.00	n.a.
	80% py,		00459	1007.00	1008.00	1.00	n.a.
	2-3% py,		00460	1008.00	1009.00	1.00	n.a.
	5-7% py,		00461	1009.00	1010.00	1.00	n.a.
	3-5% py,		00462	1010.00	1011.00	1.00	n.a.
	5-7% py,		00463	1011.00	1012.00	1.00	n.a.
	3-5% py,		00464	1012.00	1013.00	1.00	n.a.
	1-2% py,		00465	1013.00	1014.00	1.00	n.a.
	3-5% py,		00466	1014.00	1015.00	1.00	n.a.
	5-7% py,		00467	1015.00	1016.00	1.00	n.a.
	5-7% py,		00468	1016.00	1017.00	1.00	n.a.
	3-5% py,		00469	1017.00	1018.00	1.00	n.a.
	1-2% py,		00470	1018.00	1019.00	1.00	n.a.
	3-5% py,		00471	1019.00	1020.00	1.00	n.a.
	3-5% py,		00472	1020.00	1021.00	1.00	n.a.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>	<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
						<u>From</u>	<u>To</u>		<u>Width</u>
		5-7% py,			00473	1021.00	1022.00	1.00	n.a.
		2-3% py,			00474	1022.00	1023.00	1.00	n.a.
		3-5% py,0.5% cp trace sp,			00475	1023.00	1024.00	1.00	n.a.
		3-5% py,			00476	1024.00	1025.00	1.00	n.a.
		3-5% py,			00477	1025.00	1026.00	1.00	n.a.
		3-5% py,			00478	1026.00	1027.00	1.00	n.a.
		3-5% py,			00479	1027.00	1028.00	1.00	n.a.
		5-7% py,			00480	1028.00	1029.00	1.00	n.a.
		80% py,			00481	1029.00	1030.00	1.00	n.a.
		80% py,80% XE 80% XE,80% XE		80%	00482	1030.00	1031.00	1.00	n.a.
		2-3% py,			00483	1031.00	1032.00	1.00	n.a.
		2-3% py,			00484	1032.00	1033.00	1.00	n.a.
		5-7% py,			00485	1033.00	1034.00	1.00	n.a.
		3-5% py,			00486	1034.00	1035.00	1.00	n.a.
		5-7% py,			00487	1035.00	1036.00	1.00	n.a.
		3-5% py,			00488	1036.00	1037.00	1.00	n.a.
		3-5% py,			00489	1037.00	1038.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
			<u>From</u>	<u>To</u>	<u>Width</u>	
3-5% py,	1-2%	00490	1038.00	1039.00	1.00	n.a.
3-5% py,		00491	1039.00	1040.00	1.00	n.a.
3-5% py,	3-5%	00492	1040.00	1041.00	1.00	n.a.
2-3% py,		00493	1041.00	1042.00	1.00	n.a.
1-2% py,		00494	1042.00	1043.00	1.00	n.a.
1-2% py,	1-2%	00495	1043.00	1044.00	1.00	n.a.
3-5% py,		00496	1044.00	1045.00	1.00	n.a.
3-5% py,		00497	1045.00	1046.00	1.00	n.a.
2-3% py, 1.0% sp		00498	1046.00	1047.00	1.00	n.a.
3-5% py,		00499	1047.00	1048.00	1.00	n.a.
1-2% py,		00500	1048.00	1049.00	1.00	n.a.
		00501	1049.00	1050.00	1.00	n.a.
5-7% py,		00502	1050.00	1051.00	1.00	n.a.
40% py,		00503	1051.00	1052.00	1.00	n.a.
3-5% py,		00504	1052.00	1053.00	1.00	n.a.
2-3% py,		00505	1053.00	1054.00	1.00	n.a.
3-5% py,		00506	1054.00	1055.00	1.00	n.a.
3-5% py,		00507	1055.00	1056.00	1.00	n.a.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	5-7% py,		00508	1056.00	1057.00	1.00	n.a.
	5-7% py,		00509	1057.00	1058.00	1.00	n.a.
	3-5% py,		00510	1058.00	1059.00	1.00	n.a.
	80% py,		00511	1059.00	1060.00	1.00	n.a.
	10% py,		00512	1060.00	1061.00	1.00	n.a.
	3-5% py,		00513	1061.00	1062.00	1.00	n.a.
	80% py,		00514	1062.00	1063.00	1.00	n.a.
	15% py,		00515	1063.00	1064.00	1.00	n.a.
	3-5% py,		00516	1064.00	1065.00	1.00	n.a.
	2-3% py,		00517	1065.00	1066.00	1.00	n.a.
	1.0% py,		00518	1066.00	1067.00	1.00	n.a.
	2-3% py,		00519	1067.00	1068.00	1.00	n.a.
	1-2% py,		00520	1068.00	1069.00	1.00	n.a.
	1-2% py,		00521	1069.00	1070.00	1.00	n.a.
	1-2% py,		00522	1070.00	1071.00	1.00	n.a.
	2-3% py,		00523	1071.00	1072.00	1.00	n.a.
	3-5% py,		00524	1072.00	1073.00	1.00	n.a.
	2-3% py,		00525	1073.00	1074.00	1.00	n.a.

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From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	10% py,		00526	1074.00	1075.00	1.00	n.a.
	20% py,		00527	1075.00	1076.00	1.00	n.a.
	5-7% py,		00528	1076.00	1077.00	1.00	n.a.
	40% py,		00529	1077.00	1078.00	1.00	n.a.
	2-3% py,		00530	1078.00	1079.00	1.00	n.a.
	3-5% py,		00531	1079.00	1080.00	1.00	n.a.
	60% py,		00532	1080.00	1081.00	1.00	n.a.
	10% py,		00533	1081.00	1082.00	1.00	n.a.
	10% py, trace po		00534	1082.00	1083.00	1.00	n.a.
	10% py,		00535	1083.00	1084.00	1.00	n.a.
	10% py,		00536	1084.00	1085.00	1.00	n.a.
	10% py,		00537	1085.00	1086.00	1.00	n.a.
	15% py,		00538	1086.00	1087.00	1.00	n.a.
	80% py,		00539	1087.00	1088.00	1.00	n.a.
	80% py,		00540	1088.00	1089.00	1.00	n.a.
	5-7% py,		00541	1089.00	1090.00	1.00	n.a.
	10% py,		00542	1090.00	1091.00	1.00	n.a.
	10% py,		00543	1091.00	1092.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval.			AU g/t
				From	To	Width	
	80% py,		00544	1092.00	1093.00	1.00	n.a.
	10% py,		00545	1093.00	1094.00	1.00	n.a.
	80% py,		00546	1094.00	1095.00	1.00	n.a.
	5-7% py,		00547	1095.00	1096.00	1.00	n.a.
	80% py,		00548	1096.00	1097.00	1.00	n.a.
	10% py,		00549	1097.00	1098.00	1.00	n.a.
	25% py,		00550	1098.00	1099.00	1.00	n.a.
	10% py,0.5% sp		00551	1099.00	1100.00	1.00	n.a.
	80% py,		00552	1100.00	1101.00	1.00	n.a.
	80% py,		00553	1101.00	1102.00	1.00	n.a.
	5-7% py,		00554	1102.00	1103.00	1.00	n.a.
	5-7% py,		00555	1103.00	1104.00	1.00	n.a.
	3-5% py,		00556	1104.00	1105.00	1.00	n.a.
	3-5% py,		00557	1105.00	1106.00	1.00	n.a.
	5-7% py,		00558	1106.00	1107.00	1.00	n.a.
	5-7% py,		00559	1107.00	1108.00	1.00	n.a.
	5-7% py,		00560	1108.00	1109.00	1.00	n.a.
	10% py,		00561	1109.00	1110.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

1120.00 1122.55 FAULT ZONE.

Structure : fault at 1120m at 15° to core axis, 5 mm gouge and rubble, fault at 1120.7m at 30° to core axis, 5 mm gouge and rubble, fault at 1120.75m at 30° to core axis, 1 cm gouge and rubble, fault at 1121.19m at 60° to core axis, 2 mm gouge and rubble, fault at 1121.26m at 60° to core axis, 5 mm gouge and rubble, fault at 1121.31m at 60° to core axis, 1 cm gouge and rubble, fault at 1122.4m at 25° to core axis, 2 mm gouge.

1120.75 - 1122.00 Lost core.

1122.55 1215.30 FELDSPAR-HORNBLLENDE QUARTZ PORPHYRY.

could be FT with qtz. eyes and altered hbln and feldspar.

Light grey, 2 to 5 mm avg. pheno size, <1 mm grain size. strong Bleached, moderate sericitic alteration, weak silicified.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
			From	To		
3-5% py,		00562	1110.00	1111.00	1.00	n.a.
80% py,		00563	1111.00	1112.00	1.00	n.a.
10% py,		00564	1112.00	1113.00	1.00	n.a.
5-7% py,		00565	1113.00	1114.00	1.00	n.a.
10% py,		00566	1114.00	1115.00	1.00	n.a.
5-7% py,		00567	1115.00	1116.00	1.00	n.a.
10% py,		00568	1116.00	1117.00	1.00	n.a.
10% py,		00569	1117.00	1118.00	1.00	n.a.
5-7% py,		00570	1118.00	1119.00	1.00	n.a.
80% py,		00571	1119.00	1120.00	1.00	n.a.
5-7% py,		00572	1120.00	1121.00	1.00	n.a.
3-5% py,		00573	1121.00	1122.50	1.50	n.a.
3-5% py,		00574	1122.50	1124.00	1.50	n.a.
3-5% py,		00575	1124.00	1125.00	1.00	n.a.
5-7% py,		00576	1125.00	1126.00	1.00	n.a.

From To Unit Description

Phenocrysts: 2 to 3% 2 to 5 mm subrounded, quartz; feldspar, altered; hornblende, chlorite altered; Accessory Minerals: 1 to 2% carbonate as fracture fillings.

Mineralization : 10% disseminated pyrite.

Structure : fault at 1124.1m at 30° to core axis, vein at 1196.95m at 50° to core axis, 3 cm wide msv py vn.

Bottle neck core at 1208.56 m. Changed bit at 1213.8m..

1134.00 - 1134.30 Lost core.

1147.90 - 1155.60 Feldspar-Hornblende crystal.

Structure : upper contact at 1147.9m at 10° to core axis, gradual contact, lower contact at 1155.6m at 30° to core axis, gradual contact.

1155.92 - 1156.10 Lost core.

1179.78 - 1187.56 Feldspar-Hornblende crystal.

Mineralization : 7 to 10% <1 mm, disseminated pyrite as blebs.

Structure : upper contact at 1179.78m at 30° to core axis, lower contact at 1187.56m at 35° to core axis.

1179.78 - 1181.25 Accessory Minerals: 3 to 5% 1 to 2 mm, blobs, tourmaline.

Mineralization :

1188.55 - 1188.80, strongly brecciated, appears to be a fault zone but no gouge or rubble.

1205.00 - 1205.90 Andesite Dykes.

Very dark green to black, <1 mm avg. pheno size, <1 mm

Grain size. massive. Matrix: subhedral, quartz; anhedral, feldspar.

Mineralization : 1% pyrite.

Structure : sharp upper contact at 1205m at 40° to core axis, sharp lower contact at 1205.9m at 45° to core axis.

1210.00 - 1211.00 Lost core.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
3-5% py,		00577	1126.00	1127.00	1.00	n.a.
3-5% py,		00578	1127.00	1128.00	1.00	n.a.
2-3% py,		00579	1128.00	1129.00	1.00	n.a.
3-5% py,		00580	1129.00	1130.00	1.00	n.a.
10% py,		00581	1130.00	1131.00	1.00	n.a.
3-5% py,		00582	1131.00	1132.00	1.00	n.a.
5-7% py,		00583	1132.00	1133.00	1.00	n.a.
3-5% py,	2-3%	00584	1133.00	1134.00	1.00	n.a.
2-3% py,		00585	1134.00	1135.00	1.00	n.a.
2-3% py,		00586	1135.00	1136.00	1.00	n.a.
2-3% py,		00587	1136.00	1137.00	1.00	n.a.
3-5% py,		00588	1137.00	1138.00	1.00	n.a.
5-7% py,		00589	1138.00	1139.00	1.00	n.a.
3-5% py,		00590	1139.00	1140.00	1.00	n.a.
80% py,		00591	1140.00	1141.00	1.00	n.a.
3-5% py,		00592	1141.00	1142.00	1.00	n.a.
5-7% py,		00593	1142.00	1143.00	1.00	n.a.
10% py,		00594	1143.00	1144.00	1.00	n.a.

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From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
10% py,		00595	1144.00	1145.00	1.00	n.a.
80% py,80% XE 80% XE,80% XE	80%	00596	1145.00	1146.00	1.00	n.a.
10% py,		00597	1146.00	1147.00	1.00	n.a.
3-5% py,		00598	1147.00	1147.90	0.90	n.a.
60% py,		00599	1147.90	1149.00	1.10	n.a.
5-7% py,		00600	1149.00	1150.00	1.00	n.a.
3-5% py,		00601	1150.00	1151.00	1.00	n.a.
3-5% py,		00602	1151.00	1152.00	1.00	n.a.
3-5% py,		00603	1152.00	1153.00	1.00	n.a.
2-3% py,		00604	1153.00	1154.00	1.00	n.a.
5-7% py,		00605	1154.00	1155.60	1.60	n.a.
3-5% py,		00606	1155.60	1157.00	1.40	n.a.
5-7% py,		00607	1157.00	1158.00	1.00	n.a.
2-3% py,		00608	1158.00	1159.00	1.00	n.a.
2-3% py,		00609	1159.00	1160.00	1.00	n.a.
3-5% py,		00610	1160.00	1161.00	1.00	n.a.
3-5% py,		00611	1161.00	1162.00	1.00	n.a.

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From To Unit Description

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		Width	AU g/t
			From	To		
5-7% py,		00612	1162.00	1163.00	1.00	n.a.
3-5% py,		00613	1163.00	1164.00	1.00	n.a.
2-3% py,		00614	1164.00	1165.00	1.00	n.a.
10% py,		00615	1165.00	1166.00	1.00	n.a.
10% py,		00616	1166.00	1167.00	1.00	n.a.
10% py,		00617	1167.00	1168.00	1.00	n.a.
80% py,		00618	1168.00	1169.00	1.00	n.a.
5-7% py,		00619	1169.00	1170.00	1.00	n.a.
3-5% py,		00620	1170.00	1171.00	1.00	n.a.
80% py,		00621	1171.00	1172.00	1.00	n.a.
3-5% py,		00622	1172.00	1173.00	1.00	n.a.
2-3% py,		00623	1173.00	1174.00	1.00	n.a.
3-5% py,		00624	1174.00	1175.00	1.00	n.a.
2-3% py,		00625	1175.00	1176.00	1.00	n.a.
3-5% py,		00626	1176.00	1177.00	1.00	n.a.
3-5% py,		00627	1177.00	1178.00	1.00	n.a.
3-5% py,		00628	1178.00	1179.00	1.00	n.a.
3-5% py,		00629	1179.00	1179.78	0.78	n.a.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>	<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
						<u>From</u>	<u>To</u>	<u>Width</u>	
		5-7% py,			00630	1179.78	1181.00	1.22	n.a.
		3-5% py,			00631	1181.00	1182.00	1.00	n.a.
		0.5% sp,5-7% py			00632	1182.00	1183.00	1.00	n.a.
		5-7% py,			00633	1183.00	1184.00	1.00	n.a.
		3-5% py,			00634	1184.00	1185.00	1.00	n.a.
		3-5% py,			00635	1185.00	1186.00	1.00	n.a.
		10% py,			00636	1186.00	1187.60	1.60	n.a.
		80% py,80% XE 80% XE,80% XE		80%	00637	1187.60	1188.00	0.40	n.a.
		10% py,			00638	1188.00	1189.00	1.00	n.a.
		80% py,			00639	1189.00	1190.00	1.00	n.a.
		10% py,1.0% cp			00640	1190.00	1191.00	1.00	n.a.
		2-3% py,			00641	1191.00	1192.00	1.00	n.a.
		10% py,			00642	1192.00	1193.00	1.00	n.a.
		2-3% py,			00643	1193.00	1194.00	1.00	n.a.
		3-5% py,			00644	1194.00	1195.00	1.00	n.a.
		3-5% py,			00645	1195.00	1196.00	1.00	n.a.
		5-7% py,			00646	1196.00	1197.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

1215.30 1219.46 **ANDESITE DYKES.**
 apd, magnetic dyke.
 massive. Matrix: 3 to 5% bladed crystals, feldspar.

1219.46 1238.86 **FELDSPAR-HORNBLLENDE CRYSTAL.**

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t
			From	To	
2-3% py,		00647	1197.00	1198.00	1.00 n.a.
3-5% py,		00648	1198.00	1199.00	1.00 n.a.
5-7% py,		00649	1199.00	1200.00	1.00 n.a.
3-5% py,		00650	1200.00	1201.00	1.00 n.a.
5-7% py,		00651	1201.00	1202.00	1.00 n.a.
2-3% py,		00652	1202.00	1203.00	1.00 n.a.
2-3% py,		00653	1203.00	1204.00	1.00 n.a.
20% py,	2-3%	00654	1204.00	1205.00	1.00 n.a.
3-5% py,		00655	1206.00	1207.00	1.00 n.a.
5-7% py,		00656	1207.00	1208.00	1.00 n.a.
5-7% py,		00657	1208.00	1209.00	1.00 n.a.
2-3% py,		00658	1209.00	1210.00	1.00 n.a.
2-3% py,		00659	1210.00	1211.00	1.00 n.a.
3-5% py,		00660	1211.00	1212.00	1.00 n.a.
3-5% py,		00661	1212.00	1213.00	1.00 n.a.
10% py,		00662	1213.00	1214.00	1.00 n.a.
5-7% py,		00663	1214.00	1215.30	1.30 n.a.

ROYAL OAK MINES INC.

From To Unit Description
 apd.
 1238.44 - 1238.68 Andesite Dykes.

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	10% py,		00664	1219.46	1221.00	1.54	n.a.
	80% py,		00665	1221.00	1222.00	1.00	n.a.
	10% py,		00666	1222.00	1223.00	1.00	n.a.
	3-5% py,		00667	1223.00	1224.00	1.00	n.a.
	15% py,		00668	1224.00	1225.00	1.00	n.a.
	3-5% py,		00669	1225.00	1226.00	1.00	n.a.
	3-5% py,		00670	1226.00	1227.00	1.00	n.a.
			00671	1227.00	1228.00	1.00	n.a.
	3-5% py,		00671	1227.00	1228.00	1.00	n.a.
	3-5% py,		00672	1228.00	1229.00	1.00	n.a.
	3-5% py,		00673	1229.00	1230.00	1.00	n.a.
	3-5% py,		00674	1230.00	1231.00	1.00	n.a.
	10% py,		00675	1231.00	1232.00	1.00	n.a.
	10% py,		00676	1232.00	1233.00	1.00	n.a.
	3-5% py,		00677	1233.00	1234.00	1.00	n.a.
	3-5% py,		00678	1234.00	1235.00	1.00	n.a.
	40% py,		00679	1235.00	1236.00	1.00	n.a.
	3-5% py,		00680	1236.00	1237.00	1.00	n.a.

ROYAL OAK MINES INC.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
1240.63	1375.67	<p>FELDSPAR-HORNBLLENDE CRYSTAL. apd. strong bleached, weak sericitic alteration, moderate silicified. Mineralization : 10% disseminated as fracture fillings disseminated pyrite as bands and as fracture fillings. Structure : upper contact at 1240.63m at 30° to core axis, vein at 1327.4m at 40° to core axis, 4 Cm msv py. 1270.87 - 1271.05 Andesite Dykes. dark grey to black. Mineralization : 1294.80 - 1403.12, weakly mottled. moderate sericitic alteration, weak silicified, moderate bleached. 1314.06 - 1314.18 Andesite Dykes. 1374.90 - 1375.67 pale green to light grey, <1 mm grain size. moderate fractured. moderate sericitic alteration, moderate bleached. Mineralization : 5 to 7% pyrite. Structure : upper contact at 1374.9m at 55° to core axis, lower contact at 1375.67m at 60° to core axis.</p>

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
2-3% py,		00681	1237.00	1238.40	1.40	n.a.
2-3% py,		00683	1242.00	1243.00	1.00	n.a.
2-3% py,		00684	1243.00	1244.00	1.00	n.a.
3-5% py,		00685	1244.00	1245.00	1.00	n.a.
10% py,		00686	1245.00	1246.00	1.00	n.a.
5-7% py,		00687	1246.00	1247.00	1.00	n.a.
3-5% py,		00688	1247.00	1248.00	1.00	n.a.
2-3% py,		00689	1248.00	1249.00	1.00	n.a.
3-5% py,		00690	1249.00	1250.00	1.00	n.a.
5-7% py,		00691	1250.00	1251.00	1.00	n.a.
3-5% py,		00692	1251.00	1252.00	1.00	n.a.
5-7% py,		00693	1252.00	1253.00	1.00	n.a.
5-7% py,		00694	1253.00	1254.00	1.00	n.a.
20% py,		00695	1254.00	1255.00	1.00	n.a.
3-5% py,		00696	1255.00	1256.00	1.00	n.a.
10% py,		00697	1256.00	1257.00	1.00	n.a.
5-7% py, 1.0% cp		00698	1257.00	1258.00	1.00	n.a.
20% py,		00699	1258.00	1259.00	1.00	n.a.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	15% py,		00700	1259.00	1260.00	1.00	n.a.
	3-5% py,		00701	1260.00	1261.00	1.00	n.a.
	2-3% py,		00702	1261.00	1262.00	1.00	n.a.
	2-3% py,		00703	1262.00	1263.00	1.00	n.a.
	40% py,		00704	1263.00	1264.00	1.00	n.a.
	2-3% py,		00705	1264.00	1265.00	1.00	n.a.
	2-3% py,		00706	1265.00	1266.00	1.00	n.a.
	2-3% py,		00707	1266.00	1267.00	1.00	n.a.
	3-5% py,		00708	1267.00	1268.00	1.00	n.a.
	2-3% py,		00709	1268.00	1269.00	1.00	n.a.
	5-7% py,		00710	1269.00	1270.00	1.00	n.a.
	10% py,		00711	1270.00	1270.87	0.87	n.a.
	5-7% py,		00712	1271.05	1272.00	0.95	n.a.
	2-3% py,		00713	1272.00	1273.00	1.00	n.a.
	2-3% py,		00714	1273.00	1274.00	1.00	n.a.
	40% py,		00715	1274.00	1275.00	1.00	n.a.
	3-5% py,		00716	1275.00	1276.00	1.00	n.a.
	2-3% py,		00717	1276.00	1277.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	2-3% py,		00718	1277.00	1278.00	1.00	n.a.
	2-3% py,		00719	1278.00	1279.00	1.00	n.a.
	3-5% py,		00720	1279.00	1280.00	1.00	n.a.
	2-3% py,		00721	1280.00	1281.00	1.00	n.a.
	5-7% py,		00722	1281.00	1282.00	1.00	n.a.
	80% py,		00723	1282.00	1283.00	1.00	n.a.
	10% py,		00724	1283.00	1284.00	1.00	n.a.
	5-7% py,		00725	1284.00	1285.00	1.00	n.a.
	80% py,		00726	1285.00	1286.00	1.00	n.a.
	10% py,		00727	1286.00	1287.00	1.00	n.a.
	5-7% py,		00728	1287.00	1288.00	1.00	n.a.
	5-7% py,		00729	1288.00	1289.00	1.00	n.a.
	90% py,		00730	1289.00	1290.00	1.00	n.a.
	3-5% py,		00731	1290.00	1291.00	1.00	n.a.
	3-5% py,		00732	1291.00	1292.00	1.00	n.a.
	3-5% py,		00733	1292.00	1293.00	1.00	n.a.
	3-5% py,		00734	1293.00	1294.00	1.00	n.a.
	5-7% py,		00735	1294.00	1295.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
	80% py,		00736	1295.00	1296.00	1.00	n.a.
	5-7% py,		00737	1296.00	1297.00	1.00	n.a.
	10% py,		00738	1297.00	1298.00	1.00	n.a.
	5-7% py,		00739	1298.00	1299.00	1.00	n.a.
	3-5% py,		00740	1299.00	1300.00	1.00	n.a.
	5-7% py,		00741	1300.00	1301.00	1.00	n.a.
	3-5% py,		00742	1301.00	1302.00	1.00	n.a.
	3-5% py,		00743	1302.00	1303.00	1.00	n.a.
	5-7% py,		00744	1303.00	1304.00	1.00	n.a.
	10% py,		00745	1304.00	1305.00	1.00	n.a.
	5-7% py,	2-3%	00746	1305.00	1306.00	1.00	n.a.
	15% py,	3-5%	00747	1306.00	1307.00	1.00	n.a.
	5-7% py,		00748	1307.00	1308.00	1.00	n.a.
	15% py,		00749	1308.00	1309.00	1.00	n.a.
	80% py,		00750	1309.00	1310.00	1.00	n.a.
	3-5% py,		00751	1310.00	1311.00	1.00	n.a.
	5-7% py,		00752	1311.00	1312.00	1.00	n.a.
	3-5% py,		00753	1312.00	1313.00	1.00	n.a.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
3-5% py,			00754	1313.00	1314.05	1.05	n.a.
2-3% py,			00755	1314.18	1315.00	0.82	n.a.
3-5% py,			00756	1315.00	1316.00	1.00	n.a.
3-5% py,			00757	1316.00	1317.00	1.00	n.a.
3-5% py,			00758	1317.00	1318.00	1.00	n.a.
2-3% py,			00759	1318.00	1319.00	1.00	n.a.
3-5% py,		2-3%	00760	1319.00	1320.00	1.00	n.a.
10% py,			00761	1320.00	1321.00	1.00	n.a.
80% py,			00762	1321.00	1322.00	1.00	n.a.
10% py,			00763	1322.00	1323.00	1.00	n.a.
10% py,			00764	1323.00	1324.00	1.00	n.a.
5-7% py,			00765	1324.00	1325.00	1.00	n.a.
10% py,			00766	1325.00	1326.00	1.00	n.a.
25% py, 1.0% cp			00767	1326.00	1327.00	1.00	n.a.
20% py,			00768	1327.00	1328.00	1.00	n.a.
10% py,			00769	1328.00	1329.00	1.00	n.a.
80% py,		3-5%	00770	1329.00	1330.00	1.00	n.a.
2-3% py,			00771	1330.00	1331.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>	<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
						<u>From</u>	<u>To</u>		<u>Width</u>
		2-3% py,			00772	1331.00	1332.00	1.00	n.a.
		2-3% py,			00773	1332.00	1333.00	1.00	n.a.
		2-3% py,			00774	1333.00	1334.00	1.00	n.a.
		3-5% py,			00775	1334.00	1335.00	1.00	n.a.
		3-5% py,		3-5%	00776	1335.00	1336.00	1.00	n.a.
		3-5% py,		1-2%	00777	1336.00	1337.00	1.00	n.a.
		10% py,		2-3%	00778	1337.00	1338.00	1.00	n.a.
		5-7% py,			00779	1338.00	1339.00	1.00	n.a.
		10% py,			00780	1339.00	1340.00	1.00	n.a.
		10% py,			00781	1340.00	1341.00	1.00	n.a.
		15% py, 1.0% cp			00782	1341.00	1342.00	1.00	n.a.
		80% py,			00783	1342.00	1343.00	1.00	n.a.
		5-7% py,			00784	1343.00	1344.00	1.00	n.a.
		20% py,			00785	1344.00	1345.00	1.00	n.a.
		3-5% py,			00786	1345.00	1346.00	1.00	n.a.
		3-5% py,			00787	1346.00	1347.00	1.00	n.a.
		10% py,			00788	1347.00	1348.00	1.00	n.a.
		3-5% py,			00789	1348.00	1349.00	1.00	n.a.

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From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
				From	To		
10% py,			00790	1349.00	1350.00	1.00	n.a.
15% py,1.0% cp			00791	1350.00	1351.00	1.00	n.a.
10% py,			00792	1351.00	1352.00	1.00	n.a.
3-5% py,			00793	1352.00	1353.00	1.00	n.a.
10% py,			00794	1353.00	1354.00	1.00	n.a.
80% py,	80%		00795	1354.00	1355.00	1.00	n.a.
10% py,			00796	1355.00	1356.00	1.00	n.a.
5-7% py,			00797	1356.00	1357.00	1.00	n.a.
3-5% py,	1-2%		00798	1357.00	1358.00	1.00	n.a.
5-7% py,	3-5%		00799	1358.00	1359.00	1.00	n.a.
3-5% py,	3-5%		00800	1359.00	1360.00	1.00	n.a.
10% py,	10%		00801	1360.00	1361.00	1.00	n.a.
10% py,			00802	1361.00	1362.00	1.00	n.a.
5-7% py,			00803	1362.00	1363.00	1.00	n.a.
10% py,			00804	1363.00	1364.00	1.00	n.a.
3-5% py,			00805	1364.00	1365.00	1.00	n.a.
10% py,			00806	1365.00	1366.00	1.00	n.a.
10% py,trace po			00807	1366.00	1367.00	1.00	n.a.

From To Unit Description

1375.67 1390.50 FELDSPAR-HORNBLLENDE CRYSTAL.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
80% py, 1.0% cp		00808	1367.00	1368.00	1.00	n.a.
15% py,		00809	1368.00	1369.00	1.00	n.a.
10% py,	2-3%	00810	1369.00	1370.00	1.00	n.a.
80% py,	3-5%	00811	1370.00	1371.00	1.00	n.a.
3-5% py,		00812	1371.00	1372.00	1.00	n.a.
10% py,	3-5%	00813	1372.00	1373.00	1.00	n.a.
80% py,	1.0%	00814	1373.00	1374.00	1.00	n.a.
3-5% py,		00815	1374.00	1374.90	0.90	n.a.
2-3% py,		00816	1374.90	1375.67	0.77	n.a.
10% py,		00817	1375.67	1377.00	1.33	n.a.
3-5% py,		00818	1377.00	1378.00	1.00	n.a.
5-7% py,	5-7%	00819	1378.00	1379.00	1.00	n.a.
3-5% py,	2-3%	00820	1379.00	1380.00	1.00	n.a.
3-5% py,	1-2%	00821	1380.00	1381.00	1.00	n.a.
2-3% py,		00822	1381.00	1382.00	1.00	n.a.
3-5% py,		00823	1382.00	1383.00	1.00	n.a.
2-3% py,		00824	1383.00	1384.00	1.00	n.a.
3-5% py,		00825	1384.00	1385.00	1.00	n.a.

From To Unit Description

1390.50 1403.12 **FELDSPAR-HORNBLLENDE CRYSTAL.**
 1392.82 switched to 20 ft core barrel.
 Light grey, <1 mm grain size. massive. Accessory Minerals: 3 to 5% tourmaline.
Mineralization : 3 to 5% disseminated pyrite as fracture fillings.
Structure : lower contact at 1403.12m at 50° to core axis.
 1392.90 - 1394.29 medium to dark grey, <1 mm grain size. finely banded, banded black and white - qtz in shear zone.
Mineralization : 2 to 3% <1 mm, disseminated as fracture fillings disseminated pyrite as blebs and as fracture fillings.
Structure : shear zone at 25° to core axis.
 1399.40 - 1399.61 Fault Zone.
 Accessory Minerals: 10% rubble; 5 to 7% Gouge.
Structure : fault zone at 35° to core axis.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
2-3% py,		00826	1385.00	1386.00	1.00	n.a.
5-7% py,		00827	1386.00	1387.00	1.00	n.a.
3-5% py,		00828	1387.00	1388.00	1.00	n.a.
3-5% py,		00829	1388.00	1389.00	1.00	n.a.
2-3% py,		00830	1389.00	1390.00	1.00	n.a.
2-3% py,		00831	1390.00	1391.00	1.00	n.a.
1-2% py,		00832	1391.00	1392.00	1.00	n.a.
3-5% py,	2-3%	00833	1392.00	1393.00	1.00	n.a.
2-3% py,		00834	1393.00	1394.00	1.00	n.a.
3-5% py,		00835	1394.00	1395.00	1.00	n.a.
3-5% py,	2-3%	00836	1395.00	1396.00	1.00	n.a.
2-3% py,		00837	1396.00	1397.00	1.00	n.a.
2-3% py,		00838	1397.00	1398.00	1.00	n.a.
2-3% py,		00839	1398.00	1399.00	1.00	n.a.
40% py,		00840	1399.00	1400.00	1.00	n.a.
2-3% py,	1.0%	00841	1400.00	1401.00	1.00	n.a.
2-3% py,		00842	1401.00	1402.00	1.00	n.a.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
1403.12	1427.38	FELDSPAR-HORNBLLENDE PORPHYRY. EOH. Light grey to medium green, 4 to 16mm avg. pheno size, <1 mm grain size. weakly fractured. moderate chloritic alteration, weak Sericitic alteration, weak silicified. Phenocrysts: 15% 2 to 16 mm subhedral, feldspar, altered; 10% 2 to 16 mm subhedral, hornblende, chlorite altered. Structure : vein at 1422m at 50° to core axis, 1 cm gypsum vn, vein at 1426.14m at 60° to core axis, qtz - carb vn. 1410.31 - 1422.07 Broken core. Structure : broken core, mod.- strongly bcore 1410.31 to 1410.95 m, broken core, weakly bcore at 1412-1412.5m, broken core, weakly bcore at 1415.27-1415.37 m, broken core, weakly bcore at 1416.43 1419.34 m, broken core, mod bcore at 1421.78 1421.89 m, broken core, weakly bcore at 1415.27-1415.37 m.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>		<u>AU g/t</u>	
			<u>From</u>	<u>To</u>	<u>Width</u>	
1.0% py,		00843	1402.00	1403.12	1.12	n.a.
1.0% py,		00844	1403.12	1404.00	0.88	n.a.
1.0% py,		00845	1404.00	1405.00	1.00	n.a.
1-2% py,		00846	1405.00	1406.00	1.00	n.a.
1.0% py,		00847	1406.00	1407.00	1.00	n.a.
1.0% py,		00848	1407.00	1408.00	1.00	n.a.
1.0% py,		00849	1408.00	1409.00	1.00	n.a.
1.0% py,		00850	1409.00	1410.00	1.00	n.a.
1.0% py,		00851	1410.00	1411.00	1.00	n.a.
1.0% py,		00852	1411.00	1412.00	1.00	n.a.
1.0% py,		00853	1412.00	1413.00	1.00	n.a.
1.0% py,		00854	1413.00	1414.00	1.00	n.a.
1.0% py,		00855	1414.00	1415.00	1.00	n.a.
1.0% py,		00856	1415.00	1416.00	1.00	n.a.
1.0% py,		00857	1416.00	1417.00	1.00	n.a.
0.5% py,		00858	1417.00	1418.00	1.00	n.a.
1.0% py,		00859	1418.00	1419.00	1.00	n.a.
0.5% py,		00860	1419.00	1420.00	1.00	n.a.

ROYAL OAK MINES INC.

From To Unit Description

	Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
				From	To	Width	
	1.0% py,		00861	1420.00	1421.00	1.00	n.a.
	1.0% py,		00862	1421.00	1422.00	1.00	n.a.
	1.0% py,		00863	1422.00	1423.00	1.00	n.a.
	0.5% py,		00864	1423.00	1424.00	1.00	n.a.
	1.0% py,		00865	1424.00	1425.00	1.00	n.a.
	0.5% py,		00866	1425.00	1426.00	1.00	n.a.
	0.5% py,		00867	1426.00	1427.00	1.00	n.a.

From	To	Rock Type	Sample No	Au	Pb	Ag	As	Cu	Mo	Pb	Zn	Mg %	Ni	V	Hole ID
9.0	10.0	FHX	4001	2.24	1.6	-5	1265	4	4	75	1.54	2	116	R96DH228	
37.3	38.8	FHX	4002	0.10	-0.2	30	149	3	-2	50	2.61	45	170	R96DH228	
38.8	40.3	FHX	4003	3.61	1.0	80	655	9	-2	50	2.68	281	136	R96DH228	
40.3	41.8	VT	4004	0.30	-0.2	45	308	6	-2	121	2.38	65	157	R96DH228	
41.8	43.3	FT	4005	-0.03	-0.2	45	195	3	-2	43	2.34	68	146	R96DH228	
72.5	73.5	FHX	4006	-0.03	-0.2	-5	138	3	-2	30	2.04	2	143	R96DH228	
87.0	88.0	FHX	4007	-0.03	-0.2	15	29	4	6	93	1.52	24	61	R96DH228	
103.0	104.0	FHX	4008	-0.03	0.2	10	161	5	2	52	2.00	3	102	R96DH228	
104.0	105.0	FHX	4009	-0.03	3.6	375	868	7	14	170	3.86	12	78	R96DH228	
105.0	106.0	FHX	4010	-0.03	0.8	30	207	4	2	48	1.85	2	63	R96DH228	
115.3	116.4	FHX	4011	-0.03	-0.2	-5	123	5	-2	56	2.64	3	115	R96DH228	
116.4	117.5	FHX	4012	-0.03	-0.2	-5	103	4	-2	62	2.95	2	123	R96DH228	
124.0	125.0	FHX	4013	-0.03	-0.2	20	145	4	-2	72	1.86	4	159	R96DH228	
125.0	126.0	FHX	4014	-0.03	0.8	5	449	7	6	50	2.06	2	100	R96DH228	
126.0	127.0	FHX	4015	-0.03	0.4	10	274	7	4	58	2.27	2	153	R96DH228	
132.5	133.5	FHX	4016	-0.03	-0.2	-5	66	4	2	96	1.92	10	70	R96DH228	
185.0	186.0	VT	4017	-0.03	-0.2	-5	43	-1	-2	13	0.96	46	66	R96DH228	
186.0	187.0	VT	4018	-0.03	-0.2	-5	68	-1	-2	18	1.30	38	77	R96DH228	
208.0	209.5	VT	4019	-0.03	-0.2	30	39	3	-2	25	1.17	143	82	R96DH228	
221.5	222.5	VT	4020	0.01	-0.2	-5	181	2	-2	29	2.19	120	130	R96DH228	
267.0	268.0	VT	4021	0.01	-0.2	-5	302	3	-2	15	1.74	97	97	R96DH228	
268.0	269.5	VT	4022	-0.01	-0.2	-5	66	3	-2	26	2.71	86	141	R96DH228	
269.5	270.5	VT	4023	-0.01	-0.2	-5	135	2	-2	27	3.33	109	155	R96DH228	
270.5	271.5	VT	4024	-0.01	-0.2	-5	173	1	-2	27	2.83	92	125	R96DH228	
271.5	272.5	VT	4025	0.03	-0.2	-5	131	2	-2	23	2.39	116	144	R96DH228	
272.5	273.5	VT	4026	-0.01	-0.2	-5	96	2	-2	23	2.46	103	161	R96DH228	
284.5	285.5	VT	4027	-0.01	-0.2	40	204	1	-2	19	1.63	99	105	R96DH228	
288.7	290.0	VT	4028	-0.01	-0.2	10	27	3	-2	14	1.34	8	107	R96DH228	
290.0	291.5	VT	4029	-0.01	-0.2	40	152	3	4	20	0.83	13	116	R96DH228	
291.5	293.0	VT	4030	-0.01	-0.2	30	145	4	2	20	1.30	10	143	R96DH228	
293.0	294.5	VT	4031	-0.01	0.4	15	245	-1	4	20	1.24	9	116	R96DH228	
294.5	296.0	VT	4032	-0.01	-0.2	5	66	3	-2	13	1.12	41	112	R96DH228	
296.0	297.3	VT	4033	-0.01	-0.2	-5	151	4	-2	11	1.15	88	117	R96DH228	
309.5	310.5	VT	4034	0.06	1.6	105	139	13	30	45	2.25	17	183	R96DH228	
310.5	311.5	VT	4035	0.11	-0.2	560	594	8	-2	18	1.51	22	201	R96DH228	
311.5	313.0	VT	4036	-0.01	-0.2	15	307	3	-2	18	1.80	21	189	R96DH228	
313.0	314.5	VT	4037	-0.01	-0.2	40	321	3	-2	26	2.10	18	184	R96DH228	
326.8	327.8	VT	4038	0.21	-0.2	420	508	6	-2	20	0.73	9	141	R96DH228	
327.8	329.0	VT	4039	-0.01	0.2	45	1308	5	-2	34	1.01	22	197	R96DH228	
329.0	330.0	VT	4040	-0.01	-0.2	460	496	4	8	69	1.10	66	133	R96DH228	
330.0	331.0	VT	4041	-0.01	-0.2	80	1132	14	-2	45	1.48	167	248	R96DH228	
331.0	332.0	VT	4042	-0.01	-0.2	135	641	7	-2	21	2.26	105	173	R96DH228	
332.0	333.0	VT	4043	-0.01	-0.2	115	434	5	-2	29	2.73	113	141	R96DH228	
333.0	334.5	VT	4044	-0.01	-0.2	10	249	2	-2	30	1.96	115	158	R96DH228	
338.1	339.4	FZ	4045	-0.01	-0.2	15	160	3	-2	40	2.41	67	123	R96DH228	
351.0	352.0	VT	4046	-0.01	-0.2	35	225	3	-2	24	2.77	124	154	R96DH228	
365.6	367.1	VT-XVT CTC	4047	0.59	-0.2	-5	161	2	-2	22	1.86	81	140	R96DH228	
367.1	368.6	VT-XVT CTC	4048	-0.03	-0.2	-5	259	3	-2	26	1.80	62	147	R96DH228	
368.6	370.0	XVT	4049	-0.03	-0.2	55	169	6	-2	32	2.14	61	128	R96DH228	
377.5	378.5	VT	4050	-0.03	-0.2	-5	173	-1	-2	21	1.66	96	112	R96DH228	
453.3	454.3	VT/FT	4051	-0.03	-0.2	10	86	5	-2	15	2.60	49	166	R96DH228	
454.3	455.6	VT/FT	4052	-0.03	-0.2	-5	106	-1	-2	16	2.63	57	175	R96DH228	
455.6	456.6	VT/FT	4053	-0.03	-0.2	-5	157	2	-2	19	2.63	77	173	R96DH228	

From	To	Rock Type	Sample No	Au	Pb	Ag	As	Cl	Mo	Pb	Zn	Mg	W	Ni	V	Hole ID
456.6	457.1	VT/FT	4054	-0.03	-0.2	10	183	3	-2	16	1.77	29	134	R96DH228		
457.1	458.1	VT/FT	4055	-0.03	-0.2	30	134	2	-2	25	2.23	59	142	R96DH228		
477.7	479.2	XVT	4056	-0.03	-0.2	-5	189	8	-2	57	2.10	27	167	R96DH228		
507.5	509.0	FT	4057	-0.03	0.2	-5	150	6	-2	27	2.72	56	187	R96DH228		
509.0	510.0	VFT	4058	-0.03	-0.2	-5	189	5	-2	22	2.72	16	208	R96DH228		
510.0	511.0	VFT	4059	-0.03	-0.2	-5	126	10	-2	25	2.87	14	215	R96DH228		
511.0	512.5	VFT	4060	-0.03	-0.2	-5	144	7	-2	31	2.38	2	170	R96DH228		
512.5	514.0	VFT	4061	0.05	-0.2	-5	152	5	-2	32	2.22	4	177	R96DH228		
514.0	515.5	VFT	4062	0.19	-0.2	-5	165	5	-2	25	2.63	5	231	R96DH228		
515.5	517.0	VFT	4063	-0.03	-0.2	-5	284	7	4	58	2.53	4	203	R96DH228		
517.0	518.5	VFT	4064	-0.03	-0.2	-5	271	6	6	73	2.26	5	162	R96DH228		
518.5	520.0	VFT	4065	-0.03	-0.2	-5	108	7	-2	43	3.70	4	246	R96DH228		
520.0	521.5	VFT	4066	-0.03	-0.2	-5	131	7	-2	19	2.97	6	227	R96DH228		
521.5	523.0	VFT	4067	-0.03	-0.2	-5	123	2	-2	15	2.27	5	170	R96DH228		
523.0	524.5	VFT	4068	-0.03	-0.2	-5	203	6	-2	18	2.02	7	160	R96DH228		
524.5	526.0	VFT	4069	-0.03	-0.2	-5	155	2	-2	19	1.99	5	162	R96DH228		
536.2	537.7	VFT	4070	-0.03	-0.2	-5	98	2	-2	15	1.35	4	115	R96DH228		
537.7	538.2	VFT	4071	-0.03	-0.2	-5	149	5	-2	14	1.45	9	118	R96DH228		
538.2	539.2	VFT	4072	-0.03	-0.2	-5	151	2	-2	10	1.09	8	121	R96DH228		
539.2	540.2	VFT	4073	-0.03	-0.2	-5	480	23	-2	24	1.77	25	167	R96DH228		
540.2	541.7	VFT	4074	-0.03	-0.2	-5	144	3	-2	13	1.14	10	114	R96DH228		
561.5	562.5	FT	4075	-0.03	-0.2	60	51	4	-2	10	1.43	194	90	R96DH228		
587.0	588.0	FT	4076	-0.03	-0.2	65	47	1	-2	7	0.82	58	46	R96DH228		
588.0	589.0	FT	4077	-0.03	-0.2	265	40	3	4	7	0.28	202	25	R96DH228		
589.0	590.5	FT	4078	-0.03	-0.2	45	129	-1	-2	12	1.65	37	94	R96DH228		
631.5	632.5	FT	4079	-0.03	30.0	105	156	13	442	1618	2.24	96	81	R96DH228		
661.8	663.3	FT	4080	-0.03	-0.2	140	17	2	-2	37	3.24	5	270	R96DH228		
663.3	664.3	FT	4081	-0.03	-0.2	95	65	3	-2	63	2.80	22	199	R96DH228		
671.0	672.0	FT	4082	-0.03	-0.2	-5	138	5	-2	47	2.17	46	207	R96DH228		
691.0	692.0	FHX	4083	-0.03	-0.2	40	50	6	4	38	3.14	17	141	R96DH228		
692.0	693.0	FHX	4084	-0.03	-0.2	20	112	6	4	53	2.71	15	149	R96DH228		
693.0	694.0	FHX	4085	-0.03	-0.2	60	90	6	-2	33	3.14	11	216	R96DH228		
749.0	750.5	FHX	4086	-0.03	-0.2	40	163	3	-2	43	2.87	9	211	R96DH228		
768.0	769.0	FHX	4087	0.03	-0.2	65	53	5	6	31	1.44	22	87	R96DH228		
783.2	784.2	FHX	4088	-0.03	-0.2	15	162	8	4	50	2.66	79	62	R96DH228		
784.2	785.2	FT	4089	-0.03	-0.2	15	20	8	6	38	2.49	8	42	R96DH228		
804.5	806.0	VT/VFT	4090	-0.03	0.6	55	76	9	22	79	2.12	17	71	R96DH228		
813.9	815.4	FT/VFT	4091	0.51	-0.2	25	80	6	6	103	2.21	7	107	R96DH228		
815.4	816.5	FT/VFT	4092	0.03	-0.2	40	78	10	12	298	2.59	39	138	R96DH228		
816.5	817.5	FT/VFT	4093	0.04	-0.2	50	38	7	10	252	2.29	70	61	R96DH228		
817.5	818.5	FT/VFT	4094	0.16	2.6	50	105	7	44	137	3.03	34	73	R96DH228		
818.5	819.5	FT/VFT	4095	-0.03	3.2	80	194	7	46	75	2.52	32	50	R96DH228		
819.5	820.7	FT/VFT	4096	0.03	0.6	105	184	5	28	1558	1.34	25	28	R96DH228		
820.7	822.0	FT/VFT	4097	0.06	0.2	105	164	8	32	1024	1.53	51	35	R96DH228		
822.0	823.0	FT/VFT	4098	0.09	0.8	40	178	6	40	1580	1.20	17	30	R96DH228		
823.0	824.0	VFT	4099	0.08	15.2	100	179	2	94	0000	1.24	14	30	R96DH228		
824.0	825.0	FT/VFT	4100	0.13	1.4	95	116	4	46	8145	1.41	19	31	R96DH228		
825.0	826.0	FHX	4114	0.19	5.8	100	139	5	146	383	2.76	11	68	R96DH228		
826.0	827.0	FT/VFT	4101	0.14	2.0	165	496	6	118	979	1.61	13	33	R96DH228		
827.0	828.0	FT/VFT	4102	0.12	0.6	60	99	6	62	473	1.29	14	32	R96DH228		
828.0	829.5	FT/VFT	4103	-0.03	1.2	75	108	7	194	523	1.94	33	38	R96DH228		
829.5	831.0	FT/VFT	4104	0.03	0.6	65	53	6	44	353	1.76	32	21	R96DH228		
831.0	832.5	FHX	4105	0.08	0.4	60	98	6	82	1535	1.20	5	18	R96DH228		

From	To	Reel Type	Sample No	As	Pb	Ag	As	Cu	Mg	Zn	Al	Mg %	Ni	V	Roll ID
832.5	834.0	FHX	4106	-0.03	1.4	65	106	6	44	2116	1.46	6	22	R96DH228	
834.0	835.5	FHX	4107	0.10	1.6	60	131	13	62	219	1.20	9	22	R96DH228	
835.5	837.0	FHX	4108	0.09	2.0	65	141	12	128	755	1.29	8	24	R96DH228	
837.0	838.5	FHX	4109	0.08	2.2	80	93	9	78	451	1.60	10	30	R96DH228	
838.5	840.0	FHX	4110	-0.03	2.6	40	86	7	110	305	2.35	15	39	R96DH228	
840.0	841.5	FHX	4111	0.13	5.2	45	89	4	494	2131	2.01	11	31	R96DH228	
841.5	842.5	FHX	4112	0.14	5.0	50	103	5	178	889	2.08	13	47	R96DH228	
842.5	843.5	FHX	4113	0.25	2.0	70	70	6	64	206	2.37	14	48	R96DH228	
843.5	845.0	FHX	4115	0.15	0.8	60	310	6	50	2414	1.98	14	31	R96DH228	
845.0	846.5	FHX	4116	0.18	2.6	70	195	1	96	0000	2.08	13	37	R96DH228	
846.5	848.0	FHX	4117	4.70	25.8	100	246	6	102	1141	1.11	11	17	R96DH228	
848.0	849.5	FHX	4118	11.89	30.0	190	448	6	190	1073	0.43	13	8	R96DH228	
849.5	851.0	FHX	4119	0.31	12.6	135	313	4	180	4433	1.91	16	35	R96DH228	
851.0	852.0	VFT	4120	1.08	20.6	195	330	-1	172	0000	1.64	50	22	R96DH228	
852.0	853.5	VFT	4121	0.31	11.0	170	409	3	106	8310	1.13	50	12	R96DH228	
853.5	855.0	FHX	4122	3.77	30.0	445	1095	7	192	2173	0.74	72	14	R96DH228	
855.0	856.5	FHX	4123	1.08	17.6	195	438	6	156	5734	1.53	58	23	R96DH228	
856.5	858.0	FHX	4124	1.12	15.6	250	651	6	50	4215	0.76	19	16	R96DH228	
858.0	859.5	FHX	4125	0.48	4.0	150	128	4	38	6252	1.69	15	29	R96DH228	
859.5	861.0	VFT	4126	0.88	16.8	215	216	4	98	6614	1.29	67	21	R96DH228	
861.0	862.5	VFT	4127	2.76	17.6	255	115	6	32	2988	1.45	89	16	R96DH228	
862.5	864.0	VFT	4128	7.92	16.6	255	422	9	98	399	0.51	60	8	R96DH228	
864.0	865.5	FHX	4129	5.91	6.8	210	290	11	46	65	0.46	20	10	R96DH228	
865.5	867.0	FHX	4130	6.56	4.6	205	229	8	26	1106	0.82	21	19	R96DH228	
867.0	868.5	FHX	4131	1.70	2.2	130	253	8	16	272	1.25	11	23	R96DH228	
868.5	870.0	FHX	4132	1.45	26.4	450	1221	10	14	147	0.89	41	11	R96DH228	
870.0	871.5	FHX	4133	1.79	30.0	385	1531	7	12	196	0.37	20	11	R96DH228	
871.5	873.0	FHX	4134	0.56	4.6	170	678	7	18	155	1.03	13	16	R96DH228	
873.0	874.0	FHX	4135	0.62	30.0	540	2925	9	18	250	0.54	35	11	R96DH228	
874.0	875.0	FHX	4136	3.03	30.0	535	2884	10	18	267	0.10	29	12	R96DH228	
875.0	876.0	FHX	4137	3.41	30.0	740	3773	13	26	327	0.52	36	24	R96DH228	
876.0	877.0	FHX	4138	7.94	7.2	150	143	9	30	34	0.40	81	17	R96DH228	
877.0	878.0	FHX	4139	6.44	4.2	160	97	14	18	22	0.23	50	25	R96DH228	
878.0	879.1	FHX	4140	6.22	5.6	190	108	8	20	29	0.27	64	13	R96DH228	
879.1	880.2	FHX	4141	3.30	2.4	120	58	11	64	47	0.32	41	21	R96DH228	
880.2	881.3	FHX	4142	4.48	4.2	365	52	12	76	173	0.16	35	6	R96DH228	
881.3	882.5	BXD-VT	4143	0.28	1.6	225	282	4	14	2076	2.19	57	38	R96DH228	
882.5	883.5	BXD-VT	4144	0.23	1.6	320	200	5	14	184	2.27	78	39	R96DH228	
883.5	884.5	VFT	4145	0.52	6.4	145	150	5	54	329	1.44	43	19	R96DH228	
884.5	885.5	VFT	4146	0.13	0.8	110	114	9	18	182	0.87	45	13	R96DH228	
885.5	886.5	VFT	4147	1.34	5.2	90	301	4	30	345	1.28	69	15	R96DH228	
886.5	887.5	VFT	4148	0.60	1.8	200	233	8	54	140	1.04	47	19	R96DH228	
887.5	888.5	VFT	4149	-0.03	1.0	130	96	7	38	226	1.00	25	18	R96DH228	
888.5	889.5	VFT	4150	0.03	1.6	185	88	8	46	176	1.01	26	18	R96DH228	
889.5	890.5	VFT	4151	0.29	0.8	125	46	5	40	833	1.28	61	13	R96DH228	
890.5	891.8	VFT	4152	0.26	0.6	115	22	7	44	67	1.16	61	16	R96DH228	
891.8	893.0	FHX	4153	0.16	0.4	120	23	7	64	216	1.43	18	24	R96DH228	
893.0	894.0	FHX	4154	0.17	0.8	125	14	8	62	74	1.37	18	26	R96DH228	
894.0	895.0	FHX	4155	0.15	0.4	115	14	7	50	87	0.95	14	25	R96DH228	
895.0	896.5	FHX	4156	0.31	0.6	170	45	8	48	245	0.85	14	16	R96DH228	
896.5	898.0	FHX	4157	0.23	1.4	370	88	6	140	1842	1.61	23	27	R96DH228	
898.0	899.5	FHX	4158	0.69	7.2	525	154	4	230	8743	2.62	12	43	R96DH228	
899.5	901.0	FHX	4159	0.28	5.2	225	170	7	800	6645	2.63	16	70	R96DH228	

From	To	Rock Type	Sample No.	Au	Pb	Ag	As	Cu	Mo	Zn	Mg	Ni	V	Hole ID
901.0	902.5	FHX	4160	0.17	4.8	325	112	10	726	2722	2.89	12	80	R96DH228
902.5	904.0	FHX	4161	0.13	3.6	95	100	7	102	584	2.83	16	79	R96DH228
904.0	905.0	FHX	4162	0.33	2.2	110	96	4	86	5318	3.01	16	93	R96DH228
905.0	906.5	VFT	4163	0.23	3.4	150	102	12	292	2363	2.83	14	66	R96DH228
906.5	908.0	VFT	4164	0.18	1.2	255	40	6	84	914	1.75	13	52	R96DH228
908.0	909.5	VFT	4165	0.10	0.6	140	36	6	50	973	1.54	11	38	R96DH228
909.5	911.0	VFT	4166	0.16	0.8	220	81	7	34	119	1.94	12	43	R96DH228
911.0	912.5	FHX	4167	0.16	0.8	140	49	7	30	58	1.58	11	36	R96DH228
912.5	914.0	FHX	4168	0.12	0.8	95	15	6	34	106	1.53	12	29	R96DH228
914.0	915.5	FHX	4169	0.29	0.8	140	39	7	24	123	1.57	11	24	R96DH228
915.5	916.5	FHX	4170	0.20	0.6	115	22	8	24	338	1.81	15	36	R96DH228
916.5	917.5	VFT	4171	0.09	0.4	60	10	7	22	150	2.33	28	45	R96DH228
917.5	919.0	FHX	4172	0.09	0.6	65	14	6	24	83	1.63	13	34	R96DH228
919.0	920.5	FHX	4173	0.08	0.4	40	9	7	26	117	1.95	14	47	R96DH228
920.5	922.0	FHX	4174	0.06	0.8	65	7	7	36	148	2.21	12	55	R96DH228
922.0	923.5	FHX	4175	0.06	0.6	25	13	7	38	100	1.09	18	21	R96DH228
923.5	925.0	FHX	4176	0.93	2.4	75	67	9	26	354	1.53	158	34	R96DH228
925.0	926.5	FHX	4177	0.16	0.8	30	28	8	8	190	0.54	12	12	R96DH228
926.5	928.0	FHX	4178	0.13	-0.2	-5	35	9	8	42	0.75	7	15	R96DH228
928.0	929.5	FHX	4179	0.40	1.2	10	96	14	20	35	0.11	5	9	R96DH228
929.5	931.0	FHX	4180	0.16	0.4	-5	53	14	2	38	0.24	10	13	R96DH228
931.0	932.5	FHX	4181	0.16	-0.2	-5	62	12	2	54	0.52	6	20	R96DH228
932.5	934.0	FHX	4182	0.15	-0.2	-5	47	9	-2	46	0.65	4	27	R96DH228
934.0	935.0	FHX	4183	0.14	-0.2	-5	31	12	-2	41	0.52	4	21	R96DH228
935.0	936.5	FHX	4184	0.27	0.2	-5	32	13	4	35	0.23	6	10	R96DH228
936.5	938.0	FHX	4185	0.67	0.2	-5	24	13	4	28	0.15	7	9	R96DH228
938.0	939.5	FHX	4186	0.34	-0.2	-5	37	11	-2	27	0.29	5	9	R96DH228
939.5	941.0	FHX	4187	0.20	-0.2	-5	38	11	8	208	0.71	5	16	R96DH228
941.0	942.5	FHX	4188	0.13	-0.2	-5	35	9	4	43	0.66	5	16	R96DH228
942.5	944.0	FHX	4189	0.19	-0.2	-5	36	13	-2	29	0.35	5	11	R96DH228
944.0	945.5	FHX	4190	0.29	0.4	-5	29	12	8	33	0.31	7	12	R96DH228
945.5	947.0	FHX	4191	0.32	0.6	-5	23	11	6	26	0.26	4	10	R96DH228
947.0	948.5	FHX	4192	0.33	-0.2	-5	25	11	4	25	0.27	6	9	R96DH228
948.5	950.0	FHX	4193	0.32	0.4	-5	22	9	8	27	0.29	6	10	R96DH228
950.0	951.5	FHX	4194	0.38	0.6	-5	33	11	10	38	0.56	8	17	R96DH228
951.5	953.0	FHX	4195	0.45	1.0	-5	138	9	8	38	0.13	8	7	R96DH228
953.0	954.5	FHX	4196	0.66	0.2	-5	29	14	6	51	0.41	7	11	R96DH228
954.5	955.5	FHX	4197	1.47	1.0	-5	53	12	12	41	0.32	8	9	R96DH228
955.5	956.5	FHX	4198	0.39	1.0	-5	120	10	-2	35	0.30	8	8	R96DH228
956.5	957.5	FHX	4199	0.55	0.6	-5	50	7	-2	48	0.54	7	12	R96DH228
957.5	959.0	FHX	4200	0.16	0.4	-5	25	7	6	77	1.18	8	34	R96DH228
959.0	960.5	FHX	4201	0.34	0.4	-5	20	6	8	86	1.21	9	37	R96DH228
960.5	962.0	FHX	4202	0.12	0.4	-5	44	9	10	77	0.59	10	18	R96DH228
962.0	963.5	FHX	4203	0.52	0.6	-5	52	8	14	36	0.20	7	8	R96DH228
963.5	965.0	FHX	4204	0.28	0.4	-5	33	5	6	46	0.67	8	20	R96DH228
965.0	966.0	FHX	4205	0.37	-0.2	-5	23	5	-2	53	1.23	8	40	R96DH228
966.0	967.0	FHX	4206	0.77	-0.2	-5	32	13	6	25	0.47	6	14	R96DH228
967.0	968.5	FHX	4207	0.68	-0.2	-5	30	7	4	48	1.22	7	45	R96DH228
968.5	970.0	FHX	4208	0.13	-0.2	-5	28	4	10	23	0.57	5	19	R96DH228
970.0	971.0	FHX	4209	0.16	-0.2	-5	25	6	2	31	0.84	8	30	R96DH228
971.0	972.5	FHX	4210	0.20	-0.2	-5	59	5	2	53	1.24	7	42	R96DH228
972.5	974.0	FHX	4211	0.31	0.4	-5	66	4	6	39	1.02	4	29	R96DH228
974.0	975.5	FHX	4212	0.10	-0.2	-5	41	6	4	45	0.98	4	21	R96DH228

From	To	Rock Type	Sample No.	Al	Fe	Ag	As	Cu	Mo	Pb	Zn	Mg %	Ni	V	ReLe ID
975.5	977.0	FHX	4213	0.09	-0.2	-5	75	6	52	50	0.83	3	21	R96DH228	
977.0	978.5	FHX	4214	0.09	0.6	-5	330	12	8	59	0.88	5	31	R96DH228	
978.5	980.0	FHX	4215	0.05	0.2	-5	414	26	2	42	0.84	5	19	R96DH228	
980.0	981.5	FHX	4216	0.09	0.6	-5	547	96	2	27	0.43	5	17	R96DH228	
981.5	983.0	FHX	4217	0.08	0.6	-5	544	45	6	35	0.37	5	24	R96DH228	
983.0	984.5	FHX	4218	0.05	0.4	-5	542	12	6	48	0.48	6	18	R96DH228	
984.5	986.0	FHX	4219	0.04	1.0	-5	573	45	2	65	0.40	6	14	R96DH228	
986.0	987.5	FHX	4220	-0.03	0.2	-5	316	45	6	44	0.82	5	12	R96DH228	
987.5	988.5	FHX	4221	-0.03	0.4	-5	175	21	-2	16	0.90	5	12	R96DH228	
988.5	990.0	FH?	4258	-0.03	0.8	5	1108	98	18	90	2.02	9	85	R96DH228	
990.0	991.5	FH?	4259	-0.03	0.8	-5	1167	88	24	89	2.19	9	133	R96DH228	
991.5	992.5	FH?	4260	-0.03	0.8	-5	1296	72	24	81	1.80	13	98	R96DH228	
992.5	994.0	FH?	4222	-0.03	0.8	-5	1818	92	20	80	1.72	22	77	R96DH228	
994.0	995.5	FH?	4223	0.14	2.0	-5	1808	41	14	118	1.71	26	69	R96DH228	
995.5	997.0	FH?	4224	0.12	1.8	-5	1562	58	20	207	1.84	19	86	R96DH228	
997.0	998.5	FH?	4225	0.14	2.4	-5	1491	88	20	169	1.37	13	85	R96DH228	
998.5	1000.0	FH?	4261	0.20	2.4	10	1518	70	34	179	1.40	26	81	R96DH228	
1000.0	1001.5	FH?	4226	-0.03	2.4	-5	1750	58	10	132	1.51	19	75	R96DH228	
1001.5	1003.0	FH?	4227	-0.03	1.8	10	1606	40	12	126	1.57	13	97	R96DH228	
1003.0	1004.5	FH?	4228	-0.03	1.6	-5	1810	36	14	145	1.78	14	117	R96DH228	
1014.0	1015.5	FHP	4229	0.07	0.6	10	388	29	14	239	1.66	10	73	R96DH228	
1015.5	1017.0	FHP	4230	-0.03	-0.2	-5	10	6	8	183	0.85	5	57	R96DH228	
1017.0	1018.0	FHP	4231	-0.03	-0.2	10	18	7	12	90	1.13	5	72	R96DH228	
1018.5	1020.0	FHP	4232	0.12	-0.2	45	255	3	8	80	0.86	5	57	R96DH228	
1020.0	1021.5	FH?	4262	-0.03	-0.2	35	156	5	16	240	1.08	4	69	R96DH228	
1021.5	1023.0	FH?	4263	-0.03	-0.2	25	55	7	18	171	1.13	6	56	R96DH228	
1023.0	1024.5	FH?	4264	0.05	0.6	120	262	23	36	560	1.14	8	62	R96DH228	
1024.5	1026.0	FH?	4265	-0.03	0.6	110	185	8	26	393	1.11	6	53	R96DH228	
1026.0	1027.5	FHP	4233	0.03	3.8	90	1540	13	26	1337	1.17	3	41	R96DH228	
1027.5	1028.5	FHP	4234	0.07	0.8	70	689	-1	36	5370	1.60	4	65	R96DH228	
1028.5	1030.0	FHP	4235	0.08	1.0	360	115	4	36	296	1.45	4	86	R96DH228	
1036.1	1037.6	FHP	4236	0.11	1.2	60	192	13	38	155	1.39	3	80	R96DH228	
1037.6	1039.0	FHP	4237	0.06	0.4	45	82	55	38	293	0.78	4	64	R96DH228	
1046.0	1047.0	FHP	4238	0.07	0.6	40	104	3	38	194	1.12	3	97	R96DH228	
1069.5	1071.0	FHP	4239	0.38	0.6	15	611	18	26	199	1.71	4	111	R96DH228	
1071.0	1072.0	FHP	4240	0.13	1.2	20	845	42	26	356	1.76	3	110	R96DH228	
1076.7	1078.0	FHP	4241	0.18	0.6	25	385	6	32	318	1.30	4	110	R96DH228	
1078.0	1079.0	FHP	4242	0.17	1.0	30	509	3	34	229	1.52	5	111	R96DH228	
1079.0	1080.5	FHP	4243	0.17	0.8	25	266	2	30	296	1.32	2	103	R96DH228	
1080.5	1082.0	FHP	4244	0.25	1.2	45	530	7	36	280	1.31	5	118	R96DH228	
1082.0	1083.5	FHP	4245	0.97	2.8	50	1159	16	90	484	1.95	6	133	R96DH228	
1083.5	1085.0	FHP	4246	1.65	2.8	60	1410	9	52	921	1.97	3	159	R96DH228	
1085.0	1086.5	FHP	4247	0.41	2.2	105	916	26	98	2940	2.60	4	175	R96DH228	
1092.8	1094.3	FHP	4248	0.15	2.0	65	701	5	258	1608	2.12	4	153	R96DH228	
1094.3	1095.3	SUV	4249	5.95	30.0	295	10000	27	852	5319	1.59	4	130	R96DH228	
1095.3	1096.8	SUV/FH?	4250	0.31	5.0	125	2226	14	42	485	1.95	4	103	R96DH228	
1096.8	1098.3	FH?	4251	0.40	1.6	275	1197	53	30	272	2.90	3	137	R96DH228	
1098.3	1099.8	FH?	4252	0.06	0.8	45	494	15	26	232	3.32	7	143	R96DH228	
1113.6	1114.6	FH?	4253	0.06	2.2	50	1222	390	36	251	1.78	15	67	R96DH228	
1122.8	1123.8	FH?	4254	0.05	2.2	15	909	88	28	197	1.80	6	72	R96DH228	
1138.5	1140.0	FH?	4255	0.07	1.4	20	861	45	38	268	2.22	10	119	R96DH228	
1140.0	1141.5	FH?	4256	0.13	3.2	30	2170	110	44	353	3.07	22	111	R96DH228	
1141.5	1143.0	FH?	4257	0.09	2.2	20	1666	68	30	317	2.20	18	102	R96DH228	

From	To	Rock Type	Sample No	Al	Pb	Ag	As	Cu	Mo	Pb	Zn	Mg %	Mn	V	Hole ID
1143.0	1144.5	FH?	4266	0.15	2.2	15	1814	41	30	299	2.21	21	126	R96DH228	

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
0.00	3.60	CASING.
3.60	40.30	FELDSPAR-HORNBLLENDE CRYSTAL. 16.60 - 16.90. 39.30 - 39.70.
40.30	58.50	FINE TUFF. 44.30 - 44.60.
58.50	59.00	FAULT ZONE. TWO gouges, 3cm, 3cm, 60 deg, 30 deg. 20% rubble.
59.00	61.90	FINE TUFF. 61.80 - 61.90 gouge.
61.90	134.50	FELDSPAR-HORNBLLENDE CRYSTAL. 80.40 - 80.70. 88.30 - 88.90. 99.10 - 99.30. 104.70 - 104.90. 108.00 - 108.50. 125.30 - 125.50.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04001	9.00	10.00	1.00	trace
		04002	37.30	38.80	1.50	trace
		04003	38.80	40.30	1.50	trace
		04004	40.30	41.80	1.50	trace
		04005	41.80	43.30	1.50	trace
		04006	72.50	73.50	1.00	trace
		04007	87.00	88.00	1.00	trace

ROYAL OAK MINES LTD.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>
134.50	136.70	FAULT ZONE. 40% recovery of 2.2m fault.
136.70	253.80	VERY FINE TUFF. 136.70 - 143.30. 143.30 - 175.50. 172.90 - 173.40. 175.50 - 199.00. 185.00 - 187.30. 199.00 - 221.50. Grey laminations are slightly coarser grain size the black. 208.10 - 208.30. 221.50 - 222.50. 221.50 - 237.00. 225.80 - 227.20. 237.00 - 253.80. 247.60 - 247.70. 247.70 - 251.20. locally fragmented due to original texture or brecciation.
253.80	255.90	ANDESITE DYKES. 253.80 - 253.90. 255.80 - 255.90.
255.90	338.10	VERY FINE TUFF. apd 136.7-253.8M. 255.90 - 288.70. 267.00 - 271.50. 288.70 - 295.80.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
			125.00	126.00	1.00	trace
		04015	126.00	127.00	1.00	trace
		04016	132.50	133.50	1.00	trace
		04017	185.00	186.00	1.00	trace
		04018	186.00	187.00	1.00	trace
		04019	208.00	209.50	1.50	trace
		04020	221.50	222.50	1.00	trace

ROY OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		290.00 - 290.50.
		291.50 - 314.00.
		294.00 - 294.70.
		295.80 - 321.40.
		297.30 - 297.60 Andesite Dykes.
		Structure : sharp upper contact at 297.3m at 60° to core axis, sharp lower contact at 297.6m at 55° to core axis.
		309.50 - 314.50.
		316.00 - 318.00.
		321.40 - 338.10 black.
		326.80 - 331.00.

338.10 339.40 FAULT ZONE.
2 gouges, 4 cm, 4cm.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
		04021	267.00	268.00	1.00	trace
		04022	268.00	269.50	1.50	trace
		04023	269.50	270.50	1.00	trace
		04024	270.50	271.50	1.00	trace
		04025	271.50	272.50	1.00	trace
		04026	272.50	273.50	1.00	trace
		04027	284.50	285.50	1.00	trace
		04028	288.70	290.00	1.30	trace
		04029	290.00	291.50	1.50	trace
		04030	291.50	293.00	1.50	trace
		04031	293.00	294.50	1.50	trace
		04032	294.50	296.00	1.50	trace
		04033	296.00	297.30	1.30	trace
		04034	309.50	310.50	1.00	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		338.10 - 338.30. 338.30 - 339.00. 339.00 - 339.40 Accessory Minerals: 30% carbonate; Gouge, 4 cm gouge. Mineralization : 1% fine grained, disseminated pyrite.
339.40	346.90	VERY FINE TUFF. laminated.
346.90	348.00	ANDESITE DYKES. apd from 253.8-255.9 M.
348.00	358.50	FRAGMENTAL VERY FINE TUFF. SF noted predominant black laminated VT, bedding 55deg.
358.50	359.95	ANDESITE DYKES.
359.95	367.10	VERY FINE TUFF.
367.10	376.90	FRAGMENTAL VERY FINE TUFF.
376.90	391.60	VERY FINE TUFF/ FINE TUFF (70%/30%). VERY FINE TUFF : FINE TUFF : 382.60 - 383.70 Feldspar-Hornblende crystal.
391.60	404.60	VERY FINE TUFF/ FRAGMENTAL VERY FINE TUFF (60%/40%).

<u>Sulphide</u> <u>%</u>	<u>Fracture</u> <u>Fill %</u>	<u>Sample</u> <u>Number</u>	<u>Sample Interval</u>		<u>Width</u>	<u>AU</u> <u>g/t</u>
			<u>From</u>	<u>To</u>		
		04045	338.10	339.40	1.30	trace
		04046	351.00	352.00	1.00	trace
		04047	365.60	367.10	1.50	trace
		04048	367.10	368.60	1.50	trace
		04049	368.60	370.00	1.40	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
		VERY FINE TUFF :
		FRAGMENTAL VERY FINE TUFF :
404.60	433.40	FINE TUFF/ VERY FINE TUFF (80%/20%). FINE TUFF :
		VERY FINE TUFF :
		426.40 - 426.50 fragmental very fine tuff.
433.40	443.40	FELDSPAR HORNBLLENDE ?/ VERY FINE TUFF (80%/20%). core size change from HQ to BQ at 433.7m. FELDSPAR HORNBLLENDE ? :
		VERY FINE TUFF :
		Structure : bedding at 437.3m at 40° to core axis.
443.40	447.80	FRAGMENTAL VERY FINE TUFF.
447.80	473.50	VERY FINE TUFF/ FINE TUFF (70%/30%). VERY FINE TUFF :
		FINE TUFF : weak sericitic alteration, weak bleached. 2 to 3% medium to coarse grained VT fragments; Accessory Minerals: 2 to 3% quartz-carbonate in veins; trace Axinite in veins, in selvages. Mineralization : 2 to 3% disseminated pyrite as fracture fillings; 1 to 2% pyrrhotite as blebs and as bands.
		472.00 - 473.00 Broken core.
473.50	479.90	MEDIUM TUFF.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04051	453.30	454.30	1.00	trace
		04052	454.30	455.60	1.30	trace
		04053	455.60	456.60	1.00	trace
		04054	456.60	457.10	0.50	trace
		04055	457.10	458.10	1.00	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
479.90	500.00	FRAGMENTAL VERY FINE TUFF. 486.80 - 492.90. 492.90 - 500.00.
500.00	505.10	FELDSPAR-HORNBLLENDE CRYSTAL. Phenocrysts: 10% <1 mm hornblende, based on chloritized relics; 20% <1 mm laths, plagioclase, very few laths are good, many to most are rounded. few phenos are >1mm.
505.10	507.60	VERY FINE TUFF.
507.60	528.00	VERY FINE TUFF.
528.00	545.40	VERY FINE TUFF.
545.40	621.10	FINE TUFF. with ib VT and pos FHx. 545.50 - 546.50 Feldspar Hornblende ?.

<u>Sulphide</u> <u>%</u>	<u>Fracture</u> <u>Fill %</u>	<u>Sample</u> <u>Number</u>	<u>Sample Interval</u>			<u>AU</u> <u>g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
		04057	507.50	509.00	1.50	trace
		04058	509.00	510.00	1.00	trace
		04059	510.00	511.00	1.00	trace
		04060	511.00	512.50	1.50	trace
		04061	512.50	514.00	1.50	trace
		04062	514.00	515.50	1.50	trace
		04063	515.50	517.00	1.50	trace
		04064	517.00	518.50	1.50	trace
		04065	518.50	520.00	1.50	trace
		04066	520.00	521.50	1.50	trace
		04067	521.50	523.00	1.50	trace
		04068	523.00	524.50	1.50	trace
		04069	524.50	526.00	1.50	trace

ROYAL OAK MINES LTD.

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<u>From</u>	<u>To</u>	<u>Unit Description</u>
		552.20 - 552.90 fragmental very fine tuff.
621.10	629.00	VERY FINE TUFF. H> 5.0.
629.00	658.20	FINE TUFF.
658.20	661.00	VERY FINE TUFF. ?FT.
661.00	672.00	FINE TUFF. distinct fs and hbln not readily seen, H= 4.0. unit may be found to correlate with FHX-FT units. 668.00 - 670.00.
672.00	675.00	VERY FINE TUFF. laminations.
675.00	692.50	FELDSPAR-HORNBLENDE CRYSTAL. H= 4.5. Matrix: 20% <1 mm, hornblende, chloritic green; 35% <1 mm, feldspar. 680.50 - 681.50 very fine Tuff. black. 689.00 - 692.50. patchy bleached, mod to Strong. Structure : weak foliation at 80° to core axis, fabric locally associated with fine grained pyrite.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04075	561.50	562.50	1.00	trace
		04076	587.00	588.00	1.00	trace
		04077	588.00	589.00	1.00	trace
		04078	589.00	590.50	1.50	trace
		04079	631.50	632.50	1.00	trace
		04080	661.80	663.30	1.50	trace
		04081	663.30	664.30	1.00	trace
		04082	671.00	672.00	1.00	trace
		04083	691.00	692.00	1.00	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
692.50	754.00	FELDSPAR-HORNBLENDE CRYSTAL.
754.00	779.50	FELDSPAR-HORNBLENDE CRYSTAL. H= 3-4.
779.50	784.00	FINE TUFF/ VERY FINE TUFF (80%/20%). FINE TUFF : VERY FINE TUFF : black, interbedded. VT locally black and glassy green. H= 3.0 locally may represent black chlori.
784.00	796.60	FINE TUFF. FHx? 790.40 - 790.50.
796.60	815.40	FINE TUFF/ VERY FINE TUFF (80%/20%). FINE TUFF : VERY FINE TUFF :
815.40	830.90	FINE TUFF/ VERY FINE TUFF (60%/40%). 20% black matrix, 20 % VT not 40%. FINE TUFF : crackled brecciated, moderate. VERY FINE TUFF : 823.30 - 823.80.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
			From	To		
		04085	693.00	694.00	1.00	trace
		04086	749.00	750.50	1.50	trace
		04087	768.00	769.00	1.00	trace
		04088	783.20	784.20	1.00	trace
		04089	784.20	785.20	1.00	trace
		04090	804.50	806.00	1.50	trace
		04091	813.90	815.40	1.50	trace

ROY OAK MINES LTD.

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From To Unit Description
825.10 - 825.40.

830.90 851.00 **FELDSPAR-HORNBLLENDE CRYSTAL.**
831.50 - 831.70.

851.00 855.50 **VERY FINE TUFF.**
851.50 - 852.00.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04092	815.40	816.50	1.10	trace
		04093	816.50	817.50	1.00	trace
		04094	817.50	818.50	1.00	trace
		04095	818.50	819.50	1.00	trace
		04096	819.50	820.70	1.20	trace
		04097	820.70	822.00	1.30	trace
		04098	822.00	823.00	1.00	trace
		04099	823.00	824.00	1.00	trace
		04100	824.00	825.00	1.00	trace
		04114	825.00	826.00	1.00	trace
		04101	826.00	827.00	1.00	trace
		04102	827.00	828.00	1.00	trace
		04103	828.00	829.50	1.50	trace
		04104	829.50	831.00	1.50	trace
		04105	831.00	832.50	1.50	trace
		04106	832.50	834.00	1.50	trace
		04107	834.00	835.50	1.50	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
855.50	860.50	FELDSPAR-HORNBLENDE CRYSTAL.
860.50	864.80	VERY FINE TUFF.
864.80	880.20	FRAGMENTAL FELDSPAR-HORNBLENDE CRYSTAL. Magid believes this is a brecciated conglomerate.
880.20	881.30	?XFT.
881.30	891.80	VERY FINE TUFF. Bxd VT. Accessory Minerals: patchy?? fuchsite, Weak to moderate. 885.30 - 885.60 Broken core.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t	
			From	To		
			853.50	855.00	1.50	trace
		04123	855.00	856.50	1.50	trace
		04124	856.50	858.00	1.50	trace
		04125	858.00	859.50	1.50	trace
		04126	859.50	861.00	1.50	trace
		04127	861.00	862.50	1.50	trace
		04128	862.50	864.00	1.50	trace
		04129	864.00	865.50	1.50	trace
		04130	865.50	867.00	1.50	trace
		04131	867.00	868.50	1.50	trace
		04132	868.50	870.00	1.50	trace
		04133	870.00	871.50	1.50	trace
		04134	871.50	873.00	1.50	trace
		04135	873.00	874.00	1.00	trace
		04136	874.00	875.00	1.00	trace
		04137	875.00	876.00	1.00	trace

ROY OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
891.80	904.80	FELDSPAR-HORNBLLENDE CRYSTAL. 899.00 - 900.00.
904.80	911.80	FRAGMENTAL VERY FINE TUFF. 20% subrounded VT fragments, within 80% FHx matrix.
911.80	940.30	FELDSPAR-HORNBLLENDE CRYSTAL. 916.70 - 917.40 very fine Tuff. 922.00 - 922.30 Broken core. Structure : fault zone at 40° to core axis.

<u>Sulphide %</u>	<u>Fracture Fill %</u>	<u>Sample Number</u>	<u>Sample Interval</u>			<u>AU g/t</u>
			<u>From</u>	<u>To</u>	<u>Width</u>	
			882.50	883.50	1.00	trace
		04145	883.50	884.50	1.00	trace
		04146	884.50	885.50	1.00	trace
		04147	885.50	886.50	1.00	trace
		04148	886.50	887.50	1.00	trace
		04149	887.50	888.50	1.00	trace
		04150	888.50	889.50	1.00	trace
		04151	889.50	890.50	1.00	trace
		04152	890.50	891.80	1.30	trace
		04153	891.80	893.00	1.20	trace
		04154	893.00	894.00	1.00	trace
		04155	894.00	895.00	1.00	trace
		04156	895.00	896.50	1.50	trace
		04157	896.50	898.00	1.50	trace
		04158	898.00	899.50	1.50	trace
		04159	899.50	901.00	1.50	trace
		04160	901.00	902.50	1.50	trace
		04161	902.50	904.00	1.50	trace

ROY OAK MINES LTD.

From To Unit Description

940.30 963.50 FELDSPAR-HORNBLLENDE CRYSTAL.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t
			From	To	
			915.50	916.50	1.00 trace
		04171	916.50	917.50	1.00 trace
		04172	917.50	919.00	1.50 trace
		04173	919.00	920.50	1.50 trace
		04174	920.50	922.00	1.50 trace
		04175	922.00	923.50	1.50 trace
		04176	923.50	925.00	1.50 trace
		04177	925.00	926.50	1.50 trace
		04178	926.50	928.00	1.50 trace
		04179	928.00	929.50	1.50 trace
		04180	929.50	931.00	1.50 trace
		04181	931.00	932.50	1.50 trace
		04182	932.50	934.00	1.50 trace
		04183	934.00	935.00	1.00 trace
		04184	935.00	936.50	1.50 trace
		04185	936.50	938.00	1.50 trace
		04186	938.00	939.50	1.50 trace
		04187	939.50	941.00	1.50 trace

ROYAL COAK MINES LTD.

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From To Unit Description
 963.50 977.30 FELDSPAR-HORNBLLENDE CRYSTAL.

977.30 988.40 FELDSPAR-HORNBLLENDE CRYSTAL.
 ?fragmenta.

988.40 1005.30 FELDSPAR HORNBLLENDE ?.
 ?FHX.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04204	963.50	965.00	1.50	trace
		04205	965.00	966.00	1.00	trace
		04206	966.00	967.00	1.00	trace
		04207	967.00	968.50	1.50	trace
		04208	968.50	970.00	1.50	trace
		04209	970.00	971.00	1.00	trace
		04210	971.00	972.50	1.50	trace
		04211	972.50	974.00	1.50	trace
		04212	974.00	975.50	1.50	trace
		04213	975.50	977.00	1.50	trace
		04214	977.00	978.50	1.50	trace
		04215	978.50	980.00	1.50	trace
		04216	980.00	981.50	1.50	trace
		04217	981.50	983.00	1.50	trace
		04218	983.00	984.50	1.50	trace
		04219	984.50	986.00	1.50	trace
		04220	986.00	987.50	1.50	trace

ROYAL OAK MINES LTD.

<u>From</u>	<u>To</u>	<u>Unit Description</u>
.30	.80	FELDSPAR-HORNBLLENDE PORPHYRY.
1014.80	1094.30	FELDSPAR-HORNBLLENDE PORPHYRY.
1094.30	1095.30	SULPHIDE VEIN. CPY/ PO vein.
1095.30	1144.50	FELDSPAR HORNBLLENDE ?. ?FHx, E0H at 1144.5M. moderate chloritic alteration. Mineralization : 3 to 5% pyrite, 6-2 to 3 cm c.g. PY vns. at 40

Sulphide %	Fracture Fill %	Sample Number	Sample Interval			AU g/t
			From	To	Width	
		04229	1014.00	1015.50	1.50	trace
		04230	1015.50	1017.00	1.50	trace
		04231	1017.00	1018.00	1.00	trace
		04232	1018.50	1020.00	1.50	trace
		04262	1020.00	1021.50	1.50	trace
		04263	1021.50	1023.00	1.50	trace
		04264	1023.00	1024.50	1.50	trace
		04265	1024.50	1026.00	1.50	trace
		04233	1026.00	1027.50	1.50	trace
		04234	1027.50	1028.50	1.00	trace
		04235	1028.50	1030.00	1.50	trace
		04236	1036.10	1037.60	1.50	trace
		04237	1037.60	1039.00	1.40	trace
		04238	1046.00	1047.00	1.00	trace
		04239	1069.50	1071.00	1.50	trace
		04240	1071.00	1072.00	1.00	trace
		04241	1076.70	1078.00	1.30	trace

ROYAL OAK MINES LTD.

From To Unit Description
 deg; trace pyrrhotite.
Structure : vein at 40° to core axis, dyke at 1099.1m at
 65-70° to core axis, 7cm light grey to black.
 1111.70 - 1111.90 Broken core.
 Accessory Minerals: 30% rubble.
 1139.50 - 1144.50, strong chloritic alteration.
Mineralization : 3 to 5% pyrite.

Sulphide %	Fracture Fill %	Sample Number	Sample Interval		AU g/t
			From	To	
			.30	.80	1.50 trace
		04251	1096.80	1098.30	1.50 trace
		04252	1098.30	1099.80	1.50 trace
		04253	1113.60	1114.60	1.00 trace
		04254	1122.80	1123.80	1.00 trace
		04255	1138.50	1140.00	1.50 trace
		04256	1140.00	1141.50	1.50 trace
		04257	1141.50	1143.00	1.50 trace
		04266	1143.00	1144.50	1.50 trace