ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 92.09.11

ASSESSMENT REPORT 21648

MINING DIVISION: Omineca

PROPERTY: Swan 125 20 00 55 30 00 LONG LAT LOCATION: 6152692 352611 UTM 10 NTS 093N11W 093N06W Swan 1-2, Kwah 1, Nation 2 CLAIM(S): OPERATOR(S): Candela Res. Morton, J.W. AUTHOR(S): 1991, 37 Pages **REPORT YEAR:** COMMODITIES SEARCHED FOR: Gold, Copper Jurassic, Hogem Batholith, Alteration halo, Pyrite, Chalcopyrite **KEYWORDS:** WORK Drilling, Geochemical DONE: 549.0 m 4 hole(s);NQ DIAD 156 sample(s) ;AU,AG,CU,ZN SAMP RELATED 04773,04826,19131 **REPORTS:** 093N 018,093N 019,093N 043,093N 073 MINFILE:

Diamond Drilling on the Swan Property

Omineca Mining Division NTS: 93N/11W 93N/6W

Latitude: 55 degrees 32 minutes North Longitude: 125 degrees 20 minutes North

Claim	Units	Record No.
Kwah 1	1	9901
Kwah 2	1	9902
Kwah 3	1	9903
Kwah 4	1	9904
Kwah 5	1	9905
Kwah 6	1	99 06
Swan 1	20	10123
Swan 2	20	10124
Swan 3	20	10125
Swan 4	20	10126
Swan 5	20	10397
Swan 6	20	10398
Swan 7	20	10399
Swan 8	20	10400
Nation	1 18	9479
Nation	2 18	9480

Specific Claims:

Owner: Eastfield Resources Ltd. Operator: Candela Resources Ltd. Author: J.W. Morton, P.Geo. Date: August, 1991

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GEOLOGICAL BRANCH ASSESSMENT REPORT

Summary

A field program consisting of road construction and four diamond drill holes, totalling 549 meters, was completed on the Swan claims during July, 1991. The purpose of the program was to test geophysical targets located to the north and to the west of an area where drilling previous to 1974, had outlined a resource of 36 million tons grading 0.2% copper*. No drilling was completed in the current program within 200 meters of this resource.

Drill hole 91-SW-01, the most northerly of the current program, was drilled to a depth of 139 meters and continuously cored pyrite mineralized intrusive (average 2 to 5% pyrite). The intrusive includes syenodiorite, hybrid and granitic types. Alteration in this drill hole is intense and consists of secondary silicification of the matrix and chloritization of the mafics. Potassium feldspar occurs copiously in both phenocrysts and matrix. Copper and gold values are low having maximum values of 0.11% Cu and 0.003 oz/ton Au over 3 meter sample intervals. This hole is plotted within the pyrite zone. (see figure 4).

Drill hole 91-SW-02, drilled 200 meters west of the published resource and 720 meters southwest of 91-SW-01 encountered 67 meters of overburden before coring intrusive. The intrusive is granitic in composition in the upper portion where it contains greater than 25% quartz and generally only a trace of sulphides. In the lower portion of the hole a more fine grained, salt and pepper textured, intrusive is categorized as hybrid. The best mineralization encountered in this hole was 0.17% Cu and <0.001 oz/ton Au in the top 6 meters and 0.06% Cu and <0.001 oz/ton Au in the last 2.5 meters.

Drill hole 91-SW-03, drilled 450 meters west of 91-SW-02, encountered 96 meters of argillaceous volcanic wacke and then a silicified potassium feldspar rich quartz feldspar porphyry. Hole 91-SW-03 was almost completely devoid of sulphides and returned no significant results.

Hole 91-SW-04 was drilled 400 meters west of 91-SW-03. It encountered 26 meters of quartz-mariposite rock believed to have been derived from an ultramafic and then non-silicified serpentinite. No significant gold or copper values were obtained although visible cinnabar was observed in the quartz-mariposite material. The toke is Abred of the teampoint

Location, Access and Physiography

The Swan claims occupy the valley of Kwanika Creek which is a tributary of the Nation River system. Topography on the claims varies between 915 meters (3,000 feet) and 1,710 meters (5,600

*Sutherland Brown, A., et al (1975); Porphyry Deposits of the Canadian Cordillera, Special Volume 15. The Canadian Institute of Mining and Metallurgy, Table I #97.



feet). Most of the Swan property is tree covered with open pine stands occupying the valley bottom and spruce forests the side hills. Most of the claim area is covered by extensive deposits of glacial till which are in places in excess of 70 metres thick.

Access to the claims is by two wheel drive vehicle either coming from Fort St. James, BC via Manson Creek or via The Leo Creek-Driftwood Forest access road. Travel time to the property from Fort St. James via the Leo-Driftwood road is approximately 3.5 hours.

Claim Status

<u>Claim</u>	Uni	lts Record	No. <u>Record Date</u>
Kwah 1	. 1	L 9901	Oct 19/88
Kwah 2	1	L 9902	Oct 19/88
Kwah 3	: 1	L 9903	Oct 19/88
Kwah 4	1	L 9904	Oct 19/88
Kwah 5	. 1	L 9905	Oct 19/88
Kwah 6	1	L 9906	Oct 19/88
Swan 1	. 20	0 10123	Feb 16/89
Swan 2	20) 10124	Feb 15/89
Swan 3	20) 10125	Feb 13/89
Swan 4	20) 10126	Feb 14/89
Swan 5	20	10397	May 6/89
Swan 6	20) 10398	May 6/89
Swan 7	20) 10399	May 4/89
Swan 8	20) 10400	May 4/89
Nation	1 18	3 9479	June 22/88
Nation	2 18	9480	June 22/88

Total Claims: 16

Total Units: 202

History

Exploration in the vicinity of Kwanika Creek first occurred in the late 1930's and early 1940's following the discovery of mercury at Pinchi Lake in 1937. Initial exploration was directed towards mercury along the Pinchi Fault and placer gold in Kwanika Creek. The area was first mapped in 1941 and 1943 by J.W. Armstrong of the Geological Survey of Canada. The Bralorne Takla Mercury Mine, located 4 kilometers northwest of the property, operated from 1943 to 1944 producing 132,088 lbs of mercury. Placer gold operations have been worked intermittently to the present along Kwanika Creek on the southern half of the Swan Claims.

The outcrops along Kwanika Creek were recognized as having a copper (molybdenum) potential and staked in 1964 by A. Almond, G. Bleiler and A.G. Hodgson. Initial exploration was carried out in 1965 by Hogan Mines Ltd. and included bulldozer trenching and two x-ray diamond drill holes totalling 87 feet (26.5 meters). The property was optioned by Canex Aerial Exploration Ltd. (now Placer Dome Inc.) in 1966. Their program included building access roads, 42 miles (67.6 kilometers) of line cutting,

geological, geochemical, magnetometer and I.P. surveys and trenching. Eleven AX diamond drill holes totalling 2,807 feet (855 meters) were completed before Canex terminated its option. In 1969 the property was optioned by Great Plains Development Company of Canada, Ltd. (now Norcen Energy Resources Ltd.). Their exploration program included a magnetometer survey and seven BQ diamond drill holes totalling 4,328 feet (1,319 meters). The result of the Canex and Great Plains work was the geological definition of a low grade copper deposit within an area of 1,600 feet (488 meters) by 1,000 feet (305 meters).

In 1972, Bow River Resources, formerly Hogan Mines Ltd., drilled six percussion holes for a total of 1,800 feet (548 meters). That same year, J.A. Garnett of the B.C.D.M., with two assistants, spent 10 days mapping, investigating showings and logging core on the property. In 1973, the property was optioned by Pechiney Development Ltd. who expanded the area under investigation in a southerly direction. Their exploration program included establishing and cutting 40 line miles (64.4 kilometers) of grid, a ground magnetometer and I.P. survey, and 30 percussion drill holes totalling 9,820 feet (2,993 meters) before terminating their option. Subsequently Bow River Resources abandoned the claims.

Interest in the area was rekindled by W. Halleran who staked the Kwah claims in 1988 and demonstrated a copper-gold affinity in the mineralization. The Swan 1-8 claims were subsequently staked by Eastfield Resources Ltd.

Regional Geology

The major geological features in the region of the Swan property are the Triassic aged Takla Group meta sediments which are intruded by the various phases of the Hogem Batholith. Paleozoic aged Cache Creek Group rocks occupy the extreme western portions of the property. The Pinchi Fault, a major north northwest trending suture zone, separates the Paleozoic terrain from Mesozoic and Cretaceous aged units which occur to the east.

The Cache Creek Group in the vicinity of the Swan property is composed of limestones believed to be Permian in age. Ultramafics of unknown age have previously been included in the Cache Creek but are now believed to be younger. Outcrops of Cache Creek limestone occur on Kwanika Creek in the southern part the property. A linear trending band of ultramafics are of present in the western regions of the property. The Upper Triassic Takla Group metasediments outcrop in two places on Kwanika Creek. The most significant occurrence of this package is in the central part of the property where argillites, greywackes, volcaniclastic/greywackes and conglomerates occur. Two small outcrops of Takla argillite are present farther to the south.

The majority of rocks outcropping on the property belong to two of the intrusive phases of the Hogem Batholith. The first phase is Lower Jurassic in age and was classified by Garnett of the B.C. Department of Mines (1978) as having three distinct rock varieties; a Monzodiorite to Diorite; a Monzonite to Quartz bearing Monzonite; and a Hybrid Quartz bearing Monzonite. The second phase is Lower Cretaceous in age and was classified by Garnett as a Quartz Monzonite to Granite variety.

On the south part of Kwanika Creek are two outcrops of a Polymict Boulder Conglomerate. These were considered by Garnett to be Upper Cretaceous in age. The major structural lineament in the area is the Pinchi Fault which trends north northwest and regionally varies from 100 to 1,500 meters wide. It separates the older Paleozoic rocks from younger Mesozoic rocks but cannot be directly observed as its surface trace is covered by glacial The proximity of the Pinchi Fault to Kwanika Creek is drift. evidenced by the presence of fractures, shears and faults in outcrops along the creek. It is speculated that this fault may had significance in preparing adjacent terranes for have ascending mineralizing hydrothermal systems.

Property Geology

A lack of outcrop due to a thick cover of glacial drift severely limited geologic mapping. Most outcrops occur along the banks of Kwanika Creek where glacial drift has been eroded away and while this results in much less than 5% outcrop exposure, enough variety occurs to delineate the major units.

Units occurring are as follows:

Garnett (1978)

Quartz Monzonite/Granite Hybrid Quartz Monzonite Hybrid Quartz Monzonite Monzonite/Quartz Bearing Monzonite Monzonite Mincord Exploration Consultants Ltd. (1989)

Granite/Granodiorite Hybrid Quartz Monzonite Quartz Syenite Monzonite Quartz Diorite

The majority of outcrops present on the property belong to the various intrusive phases of the Hogem Batholith. These rock units may be thought of as two end members, with the Monzonite and Quartz Diorite as one and the Granite/Granodiorite as the other. The Hybrid Quartz Monzonite (H.Q.M.) and Quartz Syenite represent an intermediate group that are the result of hydrothermal alteration and silicification of the Monzonite unit during intrusion by the Granite/Granodiorite unit.

GRANITE/GRANODIORITE

The Granite/Granodiorite unit is the youngest of the five intrusive units and is considered to be Lower Cretaceous in age. It outcrops in the northwest part of the property along West Kwanika Creek. This unit is a pink leucocratic, medium grained intrusive which may contain up to 15% mafic minerals, usually less than 5%. It varies from weakly to intensely fractured with fracturing most strongly developed in outcrops on the south part of the property. Plagioclase feldspars within this unit have commonly undergone argillic (sericitic?) alteration the intensity of which is proportional to fracturing. Hematite is also commonly present as patchy stains on fracture surfaces but may be pervasive. In only one instance was epidote observed in this unit occurring as rounded blebs up to 1 cm in size.

The Granite/Granodiorite may be cut by dark green/black, aphanitic diorite(?) dykes and rare feldspar porphyry dykes. The diorite(?) dykes usually possess strong chlorite alteration and have hematite coated fractures. Occasional melanocratic pods have also been observed in outcrop. Brecciation in this unit is very rare but has been observed in one outcrop north of 48+80S on the east bank of Kwanika Creek. In this instance, the granitic rocks are cut by a black intrusive which contains rounded xenoliths of the country rock. Quartz and carbonate veining are present in outcrop but are not well developed. Only in one instance was magnetism noted in these rocks.

The Granite/Granodiorite unit has been observed in contact with and intruding the Takla Group and intruding the H.Q.M. and Monzonite units. Where it is in contact and intrudes the Takla, it varies from a pale pink to purplish (hematite? staining), very fine grained intrusive, rarely containing K-feldspar phenocrysts. Where it intrudes the H.Q.M. and Monzonite it occurs as salmon pink felsic dykes composed of K-feldspar with less than 10% quartz and less than 2% mafic minerals. The dykes have sheared contacts.

HYBRID QUARTZ MONZONITE (HQM) AND QUARTZ SYENITE

is Lower Jurassic in age and outcrops in two zones on The H.Q.M. Kwanika Creek. These two zones are separated by the Takla Group and Granite/Granodiorite of the Monzonite the Hogem and Batholith. The H.Q.M. is the most variable unit within the Hogem Batholith due to the wide variety and high degree of alteration it has undergone. Various rock types included in this unit are Syenites, Syenodiorites, Syenites, Monzonites, Ouartz In the northern zone a Monzodiorites and Diorites. Quartz Syenite unit, composed of Syenites and Quartz Syenites occurs. It is considered that this unit represents an alteration zone where substantial secondary K-feldspar and minor quartz have been introduced into the unit.

The H.Q.M. varies in color from a mottled pink to mottled green and black rock. It is medium grained to aphanitic (where strongly chlorite altered) and weakly to strongly fractured. It has undergone extensive alteration, including K-feldspar, chlorite, epidote, argillic and silicification. In addition, hematite commonly occurs on fracture surfaces (in association with chlorite and epidote alteration) and may also occur as discrete bright red blebs (sometimes mistaken for cinnabar). Quartz and carbonate veinlets are present in this unit, quartz veinlets are usually associated with K-feldspar alteration. In outcrops at the south end of the north H.Q.M. zone there is the development of a breccia. It occurs in intensely chloritized rock and is best visible on freshly broken surfaces where clasts may protrude. It is thought that this breccia has channelled hydrothermal fluids as evidenced by the intense chlorite alteration associated with it.

MONZONITE AND QUARTZ DIORITE

The Monzonite unit is also Lower Jurassic in age occurring north of camp on the east bank of Kwanika Creek, south of camp on a small tributary to the east of Kwanika Creek. It is a fine to medium grained leucocratic intrusive which may contain up to 50% mafic minerals, usually less than 30%. The mafic minerals are predominantly biotite with lesser amounts of hornblende. It may also contain up to 5% quartz. This unit usually displays weak chlorite and epidote alteration with chlorite riming biotite grains and very rare epidote veinlets. It may sometimes display magnetism, very rare hematite staining and is rarely weakly mineralized with trace pyrite. Fracturing, shearing and faulting have been noted in the unit and it may be cut by quartz and carbonate veinlets.

TAKLA SEDIMENTS/VOLCANICLASTICS

In the central portion of the claims, outcrops of Upper Triassic They metasediments occur. Takla Group are predominantly argillites, interbedded black mudstones and brown siltstones, and possess a slaty cleavage which is parallel to bedding. Bedding within the argillites predominantly strikes from north to northwest and is relatively steeply dipping to the east or west varying from 60 degrees to 80 degrees. Tight concentric folding has been observed in the argillite. In two instances dykes, one a siliceous feldspar porphyry dyke and the other an altered mafic dyke, were observed cutting the argillite. The argillite also shows the development of numerous randomly oriented fractures which are resealed by carbonate veinlets. This feature is best developed at the contact with the Granite/Granodiorite and where the argillites are cut by dykes.

Also present in the area are greywackes and greywacke/volcaniclastics. The greywackes vary from siltstone to sandstone, are massive, do not exhibit cleavage and usually possess a weak limonite stain. In places they have been fractured and resealed by randomly oriented carbonate veinlets, but this is rare. Occasionally greywackes contain shale rip up flow. suggesting it is mass The clasts а greywacke/volcaniclastic differs from the greywacke in containing angular shards implying a volcanic component has been added to the sediments.

Rarely occurring in the Takla at this locality are the conglomerates. They are a paraconglomerate with pebble sized clasts and a fine grained black mud matrix. Commonly a weak limonite stain is present on the surface of the conglomerates.



Two small outcrops of argillite also occur in this package. They are intimately associated with the Granite/Granodiorite unit and are fractured with randomly oriented carbonate veinlets resealing fractures. These argillites strike at 304 degrees and dip to the east at 84 degrees which is parallel to the contact with the intruding Granite/Granodiorite unit.

CRETACEOUS CONGLOMERATE

Two outcrops of the Upper Cretaceous Polymict Boulder Conglomerate were encountered during mapping on the south part of Kwanika Creek. The unit varies from a para to orthoconglomerate with rounded pebble to cobble sized clasts in a red clay matrix. The cobbles and pebbles have a black coating which is thought to be hematite. Outcrops are bright red in color due to a pervasive hematite staining.

CACHE CREEK ROCKS

Cache Creek age blue grey limestone was encountered near an old prospect trench occurring at 33+00S 12+50W. Silicified ultramafic was observed immediately west of this limestone. It is thought that the old trench was once part of the Bowleg Group explored for its mercury potential by the Consolidated Mining and Smelting Co. of Canada during the second world war.

Conclusions and Recommendations

The 1991 drill program failed to identify new zones of significant mineralization. Holes DDH-91-SW-01 and DDH-91-SW-02 do however provide additional data that has enabled a distribution of the central chalcopyrite-pyrite and peripheral pyrite zone to be plotted for the Northern Creek Zone. (see figure 4).

The chalcopyrite-pyrite zone in this area has a dimension of approximately 600 meters square and is open to the east and southwest. Its grades approximately 0.15% Cu with unknown gold credits. The chalcopyrite-pyrite zone is surrounded by a pyrite zone typically 100 to 300 meters in thickness and attenuated in a northern direction. The pyrite zone has only sporadic copper values despite being well altered and containing 2 to 5% total sulphides.

It is recommended that future work be directed at establishing the gold content of the chalcopyrite-pyrite zone and testing for additional extensions of this zone to the east and southwest.





APPENDIX 1

COST STATEMENT

<u>Costs</u>

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Professional Fées: G.L. Garratt J.W. Morton A. Buskas	3 days @ \$350/day 27 days @ \$350/day 3 days @ \$325/day	\$	1,050.00 9,450.00 975.00
Field Personnel Fees: E. MacKenzie R. Muench R. Vedd N. Coopey T. Richards	19 days @ \$225/day 23 days @ \$225/day 15 days @ \$200/day 1 day @ \$210/day 2 days @ \$200/day		4,275.00 5,175.00 3,000.00 210.00 400.00
Rentals: ATV Camp Generator Vehicle	24 days @ \$50/day 43 days @ \$200/day June 27 - August 26 July 2 - August 16		1,200.00 8,600.00 1,609.73 2,370.09
Transportation: Helicopter Scheduled Flights Fixed Wing-Charter	4.7 hrs @ \$644.51/hr		3,029.22 857.51 1,268.22
Demobilization of Camp:			2,000.00
Travel Expenses:			383.56
Fuel:			1,205.54
Field Equipment:			1,801.42
Analyses:	156 samples @ \$22.31/samp.		3,480.00
Sub Contractor: Drilling Expediting			52,251.39 192.00
Communication: 2 Handhelds Base Radio Telephone Courier	17 days @ \$5/day each 24 days @ \$7.92/day		170.00 190.00 602.41 602.63
Freight:			554.16
Food:		_	3,996.62
Total		\$1	10,899.50

APPENDIX 2

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I, James William Morton of 771 Morgan Road, North Vancouver, BC, do hereby certify the following:

- 1. I am a registered Professional Geoscientist of the Province of British Columbia (registration No. 18303).
- I am employed by Mincord Exploration Consultants Ltd. of suite 110 - 325 Howe Street, Vancouver, BC.
- 3. I graduated from Carleton University, Ottawa, ON in 1971 with a Bachelor of Science in Geology.
- I graduated from the University of British Columbia, Vancouver, BC in 1976 with a Master of Science in Soil Science.
- 5. I am a fellow of the Geological Association of Canada.

6. I supervised the work described in this report.

J. W. Morton, P.Geo.

Dated at Vancouver, British Columbia this 30th day of August, 1991.

OFESSIO PROVINCE W. MORTON BRITISH COLUMBIA SCIEN

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APPENDIX 3 REFERENCES

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<u>References</u>

Bailey, D.G., 1991 - Qualifying Report on the Swan Property for Candela Resources. Buskas, A.J., - Geochemical Sampling, Induced Polarization Garratt, G.L. and Survey and Geological Mapping of Kwah 1-6 Morton, J.W., 1989 and Swan 1-8 claims. - Geology and Mineral Occurrences of the Garnett, J.A., 1978 Southern Hogem Batholith. Ministry of Mines and Petroleum Resources, Bulletin 70. Guelpa, J.P., 1974 - Assessment Report Boom Group, Frankie Group, Maya Group, Jam Group, Four Group Kwanika Creek Property. Dept. of Mines and Petroleum Resources, Assessment Report no. 5266. Hallof, P.G., and - Report on the Induced Polarization and Goudie, M.A., 1973 Resistivity Survey on the Kwanika Creek Property, Kwanika Creek Area, Omineca M.D., B.C., Dept. of Mines and Petroleum Resources, Assessment Report no. 4826. Creek, B.C. for Great Plains - Kwanika Mann, D.M., 1969 Company of Canada. Development Unpublished Company Report. Morton, J.W., 1983 - Geochemical, Soil Survey, VLF-EM and Magnetometer Survey Preliminary Geological Mapping on the Nation Claims. Unpublished Company Report. Creek Pentland, W.S., 1966 - Report on Kwanika Property. Unpublished Company Report. Phendler, R.W., 1973 - Geophysical Report a Ground on Magnetometer Survey on the Maya, Frankie and Boom Claim Groups, Kwanika Creek Area, Omineca M.D., B.C., of Bow River Resources Ltd. and Pechiney Development Ltd. Dept. Mines Petroleum Resources of and Assessment Report no 4773. Sawyer, D.A., 1969 - Great Plains Development Company of Canada Ltd., Kwanika Creek Project. Unpublished Company Report. Sinclair, A.J., 1969 - Petrography of seven specimens from Hogem Batholith for Great Plains Development Company. Unpublished Company Report.

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APPENDIX 4

DIAMOND DRILL LOGS

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	- <u>-</u>				nclination	Bearing	PROPERTY	SWAN	Length	13	51.20	ή.	Hole N	0. <u>7074</u>	- 514-9	1-04	<u></u>
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			quartz hoaled bree	cinted Se	- truns	Some	Mariposte			<u></u> ≱	5	214 200 23.0	3 3	0			
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10.5	26.5		quartz Hooded rock	Several	gene attor	wot au	ante ·			上 │	s	20 29,5 3.5	3 9				
			Usome crusto crust	aline , 9	Some in	a <u>ci pasi</u> t	<u>e, </u>	· · · · · · · · · · · · · · · · · · ·		F	5	218 235 35.5	3 4	0 Z.01	1.001		
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			Stone La magnetica	Strong la	Feliates	1 Hrocio	Lost.			ŀ	5	221 445 43.5	3	0 2.01	1.00		
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			0 595 show at	30° to CA.	60.	5663.1	recovery 67%			Ē.	5	223 465 485	3 9	, 1.01	1.001		
·					63.	1 to 66.5	45 94.0%			T ·	KSP	324 19,5 52,5	3 9	0 1.01	6.001		
				<u> </u>	66.	5.4 69.5	11 97%			Fina	S S	225 2000	3 1	0 6.01	6.001		
			@ Toyl Shore of	15 6 CA	HA.S	547 72.2	11 97%			+ 10% -	5 \$	226 55.5 585	3 9	0 2.01	6.001		
			to proposition to		72.5	6 75 3	in 9.1%	· · · · · · · · · · · · · · · · · · ·		ţ	5	227 585 61.5	3	10 6.01	Cool	<u> </u>	
				<u> </u>	75.3	1. 78 3	11 8% (a	-1.61		ŧ	5	226 14.5 64.5	3 4	4.01	2.001		
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APPENDIX 5

ASSAY CERTIFICATES

TSL LABORATORIES DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

> 2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4 (206) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. \$2845

INVOICE #: 17738 P.O.: R3328

SAMPLE(S) OF Drill Core

Morton Project: CDDSW

REMARKS: Mincord Exploration Consultants Ltd. Samples 140-164 Not Rec'd

	Au	Ag	Cu
	ozt	ozt	%
100 101 102 103 104	<0.001 <0.001 <0.001 <0.001 <0.001/<0.001	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05	.01 .02 .06 .01 .03
105 106 107 108 109	<0.001 <0.001 <0.001 <0.001 <0.001/<0.001	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05	.02 .08 .05 .06 .02
110	<0.001	<0.05	.01
111	<0.001	<0.05	.02
112	<0.001	<0.05	.02
113	<0.001	<0.05	.01
114	<0.001	<0.05	.01
115	<0.001	.05	.03
116	<0.001	<0.05	.01
117	<0.001	<0.05	.01
118	<0.001	<0.05	.01
119	<0.001	<0.05	.01

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DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

TSL LABORATO

2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4 (306) 931-1033 FAX: (306) 242-4717



CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT	No.
S2845	5

INVOICE #: 17738 P.O.: R3328

SAMPLE(S) OF Drill Core

Morton Project: CDDSW

	Au	Ag	Cu
	OZT	OZť	15
120	<0.001	<0.05	.01
121	<0.001	<0.05	.01
122	<0.001	<0.05	<0.01
123	<0.001	<0.05	<0.01
124	<0.001/<0.001	<0.05	.01
125	<0.001	<0.05	.01
126	<0.001	<0.05	.01
127	<0.001	<0.05	.03
128	<0.001	<0.05	.01
129	<0.001	<0.05	.01
130	<0.001	<0.05	.01
131	<0.001	<0.05	.01
132	<0.001	<0.05	.01
133	<0.001	<0.05	.01
134	<0.001/<0.001	<0.05	.01
135	<0.001	<0.05	.03
136	<0.001	<0.05	.01
137	<0.001	<0.05	.03
138	<0.001	<0.05	.02
139	<0.001/<0.001	.08	.11

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT	No.
\$2881	-

INVOICE #: 17773 P.O.: R3344

G. Morton Project: CDDSW

REMARKS:

SAMPLE(S) OF

Drill Core

Mincord Exploration Consultants Ltd.

	Au	Ag	Zn	Cu
	ozt	ozt	8	*
140	.003		.03	.06
141	.001		.03	.02
142	.002		.02	.03
143	<0.001		.02	.02
144	<0.001/<0.001	<0.05	.19	.02
145	<0.001		.06	.01
146	<0.001		<0.01	.18
147	.001		<0.01	.15
148	.001		<0.01	<0.01
149	<0.001/<0.001	<0.05	<0.01	<0.01
150	<0.001		<0.01	.01
151	<0.001		<0.01	.02
152	<0.001		<0.01	.01
153	<0.001		<0.01	.01
154	<0.001/<0.001	<0.05	.01	.07
155	<0.001		.01	.03
156	<0.001		<0.01	.02
157	<0.001		<0.01	.01
158	<0.001		.01	<0.01
159	<0.001	<0.05	<0.01	<0.01

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM SAMPLE(S) FROM Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT	No.
S2881	

INVOICE #: 17773 P.O.: R3344

SAMPLE(S) OF Drill Core

G. Morton Project: CDDSW

REMARKS:

	Au	Ag	Zn	Cu
	ozt	ozt	१	२
160 161 162 163 164	<0.001/<0.001 <0.001 <0.001 <0.001 <0.001 <0.001	<0.05	<0.01 .01 .01 .01 .01	.01 .02 .01 .01 .01
165 166 167 168 169	<0.001 <0.001 <0.001 <0.001 <0.001	<0.05	.01 .01 .01 .01 .01	.01 .01 .01 .01
170	<0.001/<0.001	<0.05	.01	.01
171	<0.001		.01	.01
172	<0.001		.01	.01
173	<0.001		.01	.02
174	<0.001		.01	.06
174-3	<0.001	<0.05	.02	.02
175	<0.001		.02	.01
176	<0.001		.01	<0.01
177	<0.001		<0.01	<0.01
178	<0.001		.01	<0.01

Mincord Exploration Consultants Ltd.

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SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6



INVOICE #: 17773 P.O.: R3344

SAMPLE(S) OF Drill Core

G. Morton Project: CDDSW

REMARKS: Mincord Exploration Consultants Ltd.

	Au	Ag	Zn	Cu
	ozt	ozt	옹	옹
179	<0.001/<0.001		.01	<0.01
180	<0.001		.01	<0.01
181	<0.001		.01	<0.01
182	<0.001		.01	<0.01
183	<0.001	<0.05	<0.01	<0.01
184	<0.001/<0.001		.01	<0.01
185	<0.001		.01	<0.01
186	<0.001		<0.01	<0.01
187	<0.001		.01	<0.01
188	<0.001	<0.05	.01	<0.01
189	<0.001		.04	.01
190	<0.001		.01	<0.01
191	<0.001		.03	.01
192	<0.001		.01	<0.01
193	<0.001	<0.05	.01	.01
194	<0.001		.02	.01
195	<0.001		.01	.01
196	<0.001		.01	.01
197	<0.001		.02	.01
198	<0.001	<0.05	.01	.01

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SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6



INVOICE #: 17773 P.O.: R3344

Drill Core SAMPLE(S) OF

> G. Morton Project: CDDSW

REMARKS: Mincord Exploration Consultants Ltd.

	Au	Ag	Zn	Cu
	ozt	ozt	*	*
199	<0.001/<0.001		.04	.01
200	<0.001		.08	.01
201	<0.001		.01	.01
202	<0.001		.01	.01
203	<0.001	.05	.01	.01
204	<0.001		.01	.01
205	<0.001		.01	.01
206	<0.001		.01	.01
207	<0.001		<0.01	.01
208	<0.001	.05	<0.01	<0.01
209	<0.001		<0.01	<0.01
210	<0.001		<0.01	<0.01
211	<0.001		<0.01	<0.01
212	<0.001		<0.01	<0.01
213-217	<0.001	<0.05	.01	<0.01

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SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6



INVOICE #: 17859 P.O.: R3365

SAMPLE(S) OF Drill Core

G. Morton Project: CDDSW

REMARKS:

Mincord Exploration Consultants

	Au ozt	Ag ozt	Zn Ş	Cu २
218	<0.001	.08	.01	<0.01
219	<0.001/<0.001	.08	<0.01	<0.01
220	<0.001	.06	<0.01	<0.01
221	<0.001	.07	<0.01	<0.01
222	<0.001	.07	<0.01	<0.01
223	<0.001	.07	<0.01	<0.01
224	<0.001/<0.001	.07	<0.01	<0.01
225	<0.001	.07	<0.01	<0.01
226	<0.001	.07	<0.01	<0.01
227	<0.001	.06	<0.01	<0.01
228	<0.001	.07	<0.01	<0.01
229	<0.001/<0.001	.07	<0.01	<0.01
230	<0.001	.07	<0.01	<0.01
231	<0.001	.07	<0.01	<0.01
232	<0.001	.08	<0.01	<0.01
233	<0.001	.07	<0.01	<0.01
234	<0.001	.07	<0.01	<0.01
235	<0.001	.09	<0.01	<0.01
236	<0.001	.07	<ク.01	<0.01
237/238	<0.001	.10	<0.01	<0.01

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SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6



INVOICE #: 17859 P.O.: R3365

SAMPLE(S) OF Drill Core

G. Morton Project: CDDSW

REMARKS:

Mincord Exploration Consultants

	Au	Ag	Zn	Cu
	ozt	ozt	8	웅
239	<0.001	.08	<0.01	<0.01
240	<0.001/<0.001	.11	<0.01	<0.01
241	<0.001	.08	<0.01	<0.01
242	<0.001	.08	<0.01	<0.01
243	<0.001	.07	<0.01	<0.01
244	<0.001	.07	<0.01	<0.01
245	<0.001	.07	<0.01	<0.01
246	<0.001	.08	<0.01	<0.01
247	<0.001	.07	<0.01	<0.01
248	<0.001	.07	<0.01	<0.01
249	<0.001	.07	<0.01	<0.01
250	<0.001	.07	<0.01	<0.01
251	<0.001	.06	<0.01	<0.01
252	<0.001	.07	<0.01	<0.01
253	<0.001	.07	<0.01	<0.01
254	<0.001	.07	<0.01	<0.01
255	<0.001	.08	<0.01	<0.01
256	<0.001	.07	<0.01	<0.01
257	<0.001	.07	<0.01	<0.01

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