Assessment Report

Diamond Drilling

at the

Endako Mine
Omineca Mining Division

N.T.S. 93K/3E
Latitude 54° 02' N
Longitude 125° 07' W

Owner/Operator:
Thompson Creek Mining Ltd.
Endako Mines
Bag 4001
Fraser Lake, B.C. V0J 1S0

Christopher J. Wild, P. Eng.
Consulting Geological Engineer
Wildrock Resources Consulting & Drafting

Ian Thompson
Mine Engineer
Endako Mines

February 5, 2002

Table of Contents

List of Figures

Appendices

1.0 Summary

The Endako porphyry molybdenite deposit is located 160 kilometres west of Prince George. The property consists of 374 claims covering 7741 hectares, including 25 mineral leases (Figure 2). The claims are 75% owned by Thompson Creek Mining Ltd and 25% by Nissho Iwai Corp. The Endako Mine consists of three different open pits: the Endako, Denak East, and Denak West, with a total reserve of approximately 80,000,000 tonnes grading 0.074% molybdenum as of January 1, 2000 (Information Circular 2001-1. page 6), and is currently operating at a rate of approximately 28,000 tonnes per day.

The composite Endako batholith stretches from Burns Lake southeast to the Nechako River and is divided into three distinct magmatic suites, covering a time period from 220 to 145 million years ago, with several noted periods of quiescence (Villeneuve et al, 2001). The Endako molybdenite deposit is hosted within the Endako Quartz Monzonite, bound by younger Casey Alaskite (monzogranite) and Francois Granite to the north and south, respectively. In the mine area, Endako Quartz Monzonite has been intruded by pre-ore aplite, andesite, quartz-feldspar porphyry and porphyritic granite dykes and post-ore basaltic dykes.

Five diamond drill holes totaling 772.7 metres were completed on two target areas. Three holes were completed in the Water Tank Area to the northeast, and 2 more in the SE Dump Area to the southeast. In the SE Dump Area, two holes, S-01-01 and 05, were dominated by fresh Endako Quartz Monzonite with quartz-pyrite veinlets and rare MoS_2. The Water Tank Area is underlain by Endako Quartz Monzonite, Casey monzogranite, and a porphyritic intrusive, likely a variant of the Casey phase. Increased structural complexity and significant, though subeconomic molybdenite mineralization may be related to northeast-trending structures from the Endako Pit.

Further drilling is recommended for both target areas with more emphasis warranted to the northeast, near S-01-04, where a 10 foot sample assayed 0.132% MoS_2.

2.0 Introduction

2.1 Terms of Reference

The principal author was contracted by Thompson Creek Mining Ltd. to help assess several targets immediately northeast and southeast of the Endako Pit. This report describes the results of 2535 feet (772.7 metres) of diamond drilling in 5 holes completed between December 15 - 20, 2001, and fulfills reporting requirements for assessment work on the mineral claims listed in Appendix 1. The authors helped select sites, supervised drilling, logged all the core, and are responsible for all geological interpretations described in this report.

2.2 Property Description and Location

The Endako porphyry molybdenite deposit is located 160 kilometres west of Prince George (Figure 1). The centre of the property sits at 54^0 02'N and 125^0 07'W, or 5990212mN and 362020mE, UTM Zone 10, NAD 83 .

The property consists of 374 claims covering 7741 hectares, including 25 mineral leases (Figure 2). Appendix I contains information on each individual claim. The claims are 75% owned by Thompson Creek Mining Ltd and 25% by Nissho Iwai Corp.

The Endako Mine consists of three different open pits: the Endako, Denak East, and Denak West, with a total reserve of approximately 80,000,000 tonnes grading 0.074% molybdenum as of January 1, 2000 (Information Circular 2001-1. page 6). Most of that reserve is in the Endako Pit. Figure 2 shows the location of pits and tailings ponds relative to the property outline.

2.3 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Endako Mine Property lies within the Interior Plateau, characterized by broad valleys, flat-topped hills, and generally gently rolling terrain. Glaciation moved across the area from the west leaving a distinct east-west grain. Elevations range from 670 metres at Endako village to 1,070 metres at the crest of the Endako Pit. Vegetation consists of relatively open pine forests.

Access to the mine is provided by 10 kilometres of paved road Highway 16, from the village of Endako, northeast of the mine. A network of mine roads provides excellent access to most parts of the property. Prince George, the largest service centre in northern British Columbia, is 160 kilometres east along Highway 16. Fraser Lake, 20 kilometres to the northeast, is the nearest significant community to the mine.

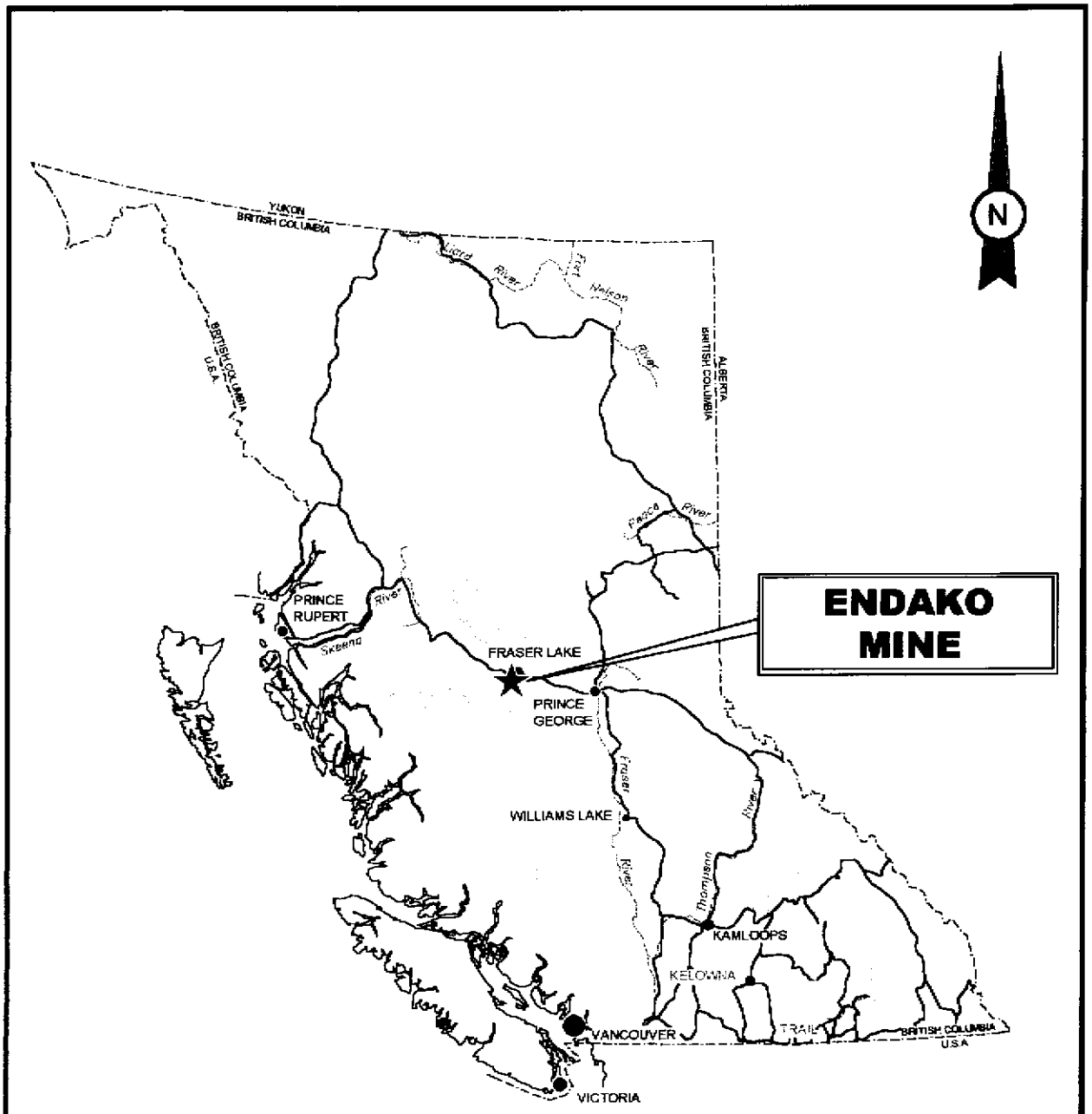
2.4 Property History

The Endako deposit was discovered in 1927 by local prospectors and explored with a short shaft and tunnel. The leached nature of the mineralization, extensive overburden, low grades, and lack of precious metals led to the claims being dropped in 1958. In 1962, R and P Metals Corporation acquired the property and after encouraging diamond drilling results incorporated Endako Mines Ltd. Further diamond drilling and bulk sampling led to a positive production decision in 1964 and official mine opening on June 8, 1965. Production was expanded from 9070 tonnes per day to 24,500 tpd in 1967, 27,000 tpd by 1980, and 30,000 tpd in 1993.

Exploration has been ongoing from the mid-sixties to the present, including geochemical sampling, diamond and percussion drilling. Recent work has 14 diamond drill holes in 1989, 22 more in 1992, 44 in 1993, and 19 in 1994. Placer Dome Inc. conducted all these programs. In 1997, Endako was sold to Thompson Creek Mining Ltd. (75%) and Nissho Iwai Moly Resources Inc. (25%). A modest drill program and geophysical survey were carried out in 1997.

2.5 2001 Program

Five diamond drill holes totaling 772.7 metres were completed on two target areas. Three holes were completed in the Water Tank Area to the northeast, and 2 more in the SE Dump Area to the southeast. All core was logged, split for sampling, and assayed for MoS2 at the Endako Mine Laboratory.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA

THOMPSON CREEK MINING LIMITED

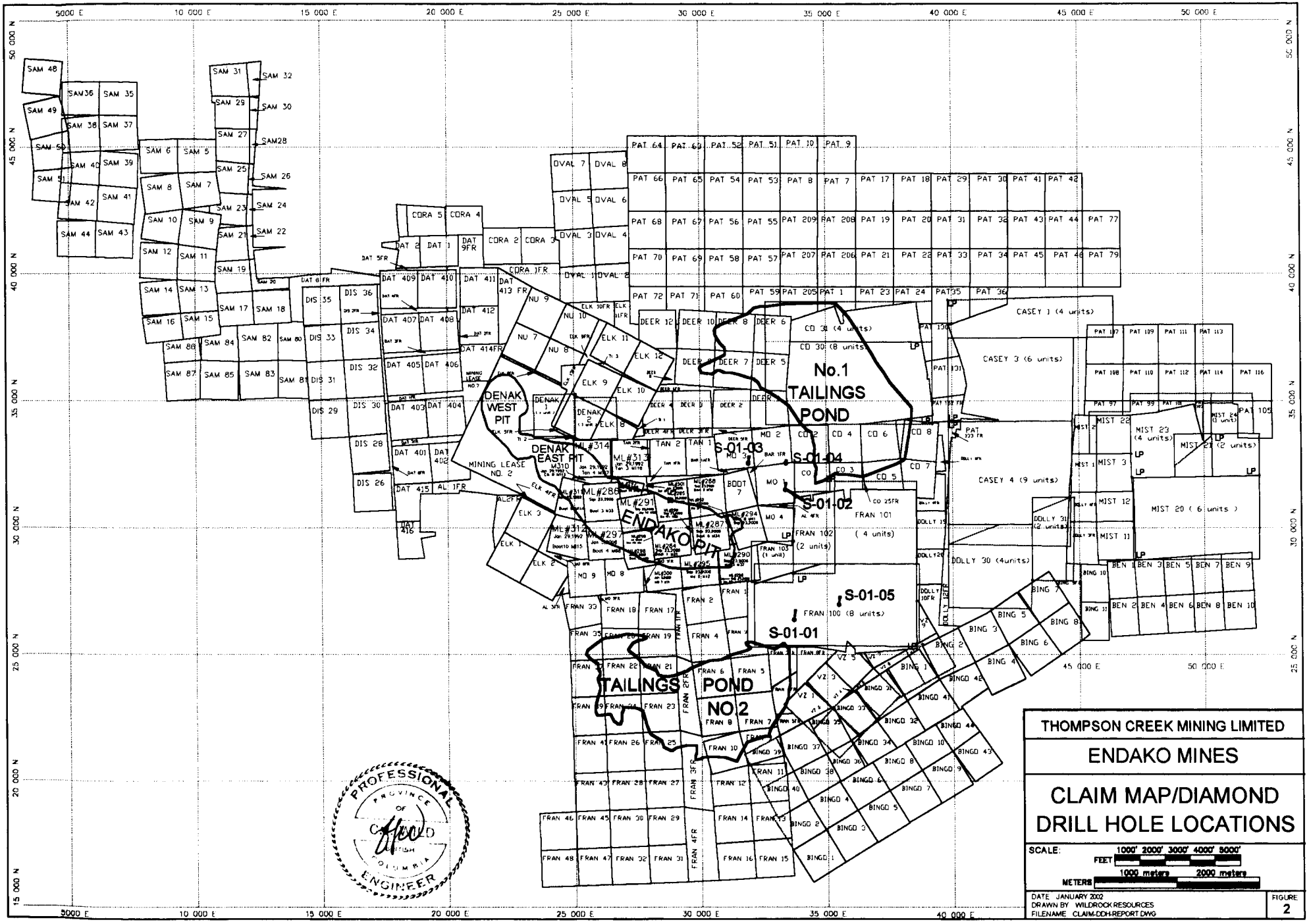
ENDAKO MINES

PROPERTY LOCATION MAP

SCALE: 0 100 200 300 400 500 km

DATE: JANUARY 2002
DRAWN BY: WILDROCK RESOURCES
FILENAME: LOCATION-ENDAKO.DWG

FIGURE 1



THOMPSON CREEK MINING LIMITED

ENDAKO MINES

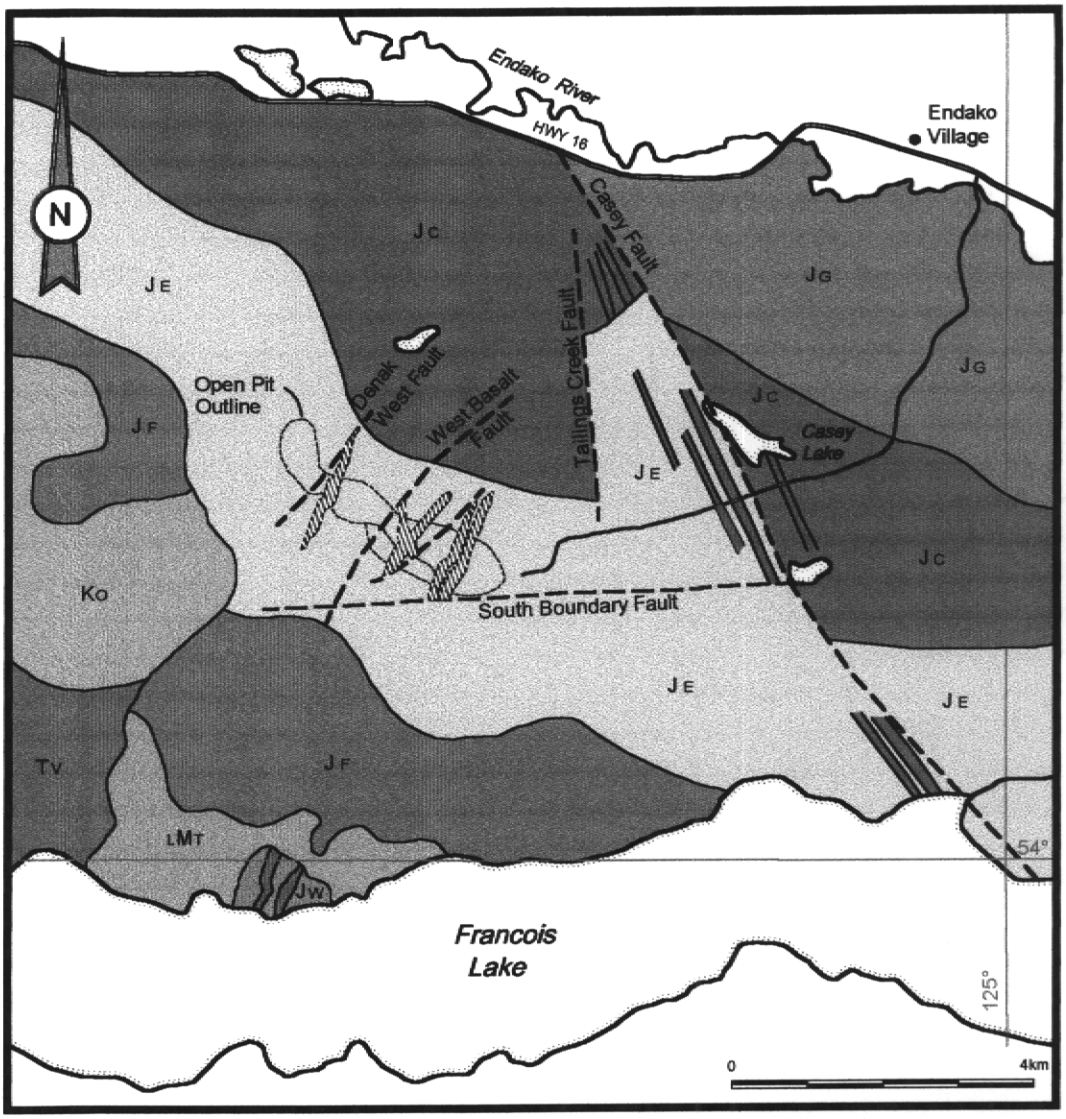
CLAIM MAP/DIAMOND DRILL HOLE LOCATIONS

SCALE: 1000' 2000' 3000' 4000' 5000' FEET

1000 meters 2000 meters METERS

DATE JANUARY 2002
DRAWN BY WILDROCK RESOURCES
FILENAME CLAIM-DDH-REPORT.DWG

FIGURE 2



Young Volcanic Rocks

- Tv — Tertiary Endako Group
- Ko — Upper Cretaceous - Lower Tertiary Ootsa Lake Group

Upper Jurassic Topley Intrusions

- Jc — Casey Alaskite
- JF — Francois Granite
- JG — Glenannan Granite
- JE — Endako Quartz Monzonite
- Jw — Wheeler Quartz Monzonite

Lower Mesozoic Volcanic Rocks

- LMT — Takla Group

Dyke Rocks

- Related Pre-Ore Dykes
- Unrelated Dykes

Symbols

- Fault
- Lithologic Contact

THOMPSON CREEK MINING LIMITED

ENDAKO MINE

REGIONAL GEOLOGY

Figure 3

SOURCE: Porphyry Molybdenum Deposits of the Calc-Alkalic Suite - Paper 44; ENDAKO, By E.T. Kimura, G.D. Bysouth, A.D. Drummond

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

3.0 Geological Setting

3.1 Regional Geology

The composite Endako batholith stretches from Burns Lake southeast to the Nechako River and is divided into three distinct magmatic suites, covering a time period from 220 to 145 million years ago, with several noted periods of quiescence. The oldest, the Stern Creek Suite, recently dated at 219.3 Ma (Villeneuve et al, 2001), consists of foliated gabbros and diorites within the northern and eastern part of the batholith. The Stag Lake Suite consists of mafic to intermediate plutons ranging in age from 180 – 161 Ma and forms the western, northeastern and eastern margins of the Endako batholith. The Francois Lake Suite is divided into the older Glenannan subsuite (157 – 155 Ma) and the Endako subsuite (149 – 145 Ma), and consists of mainly felsic plutons. The Endako orebody is hosted in the Endako phase quartz monzonite and is genetically associated with the terminal stages of magmatic activity, the Casey monzogranite, dated at 145 Ma. (Villeneuve et al, 2001).

3.2 Property Geology

The Endako molybdenite deposit is hosted within the Endako Quartz Monzonite, bound by younger Casey Alaskite (monzogranite) and Francois Granite to the north and south, respectively. In the mine area, Endako Quartz Monzonite has been intruded by pre-ore aplite, andesite, quartz-feldspar porphyry and porphyritic granite dykes and post-ore basaltic dykes.

The deposit is aligned to the northwest with a maximum length of 3360 metres, a width of 370 metres and a maximum depth of 370 metres. Four structurally distinct zones have been identified from east to west, as Endako East, Endako West, Denak East, and Denak West (Bysouth and Wong, 1996). Five major fault trends have also been identified: the South Boundary Fault to the south, the Casey Fault further to the northeast, the north-trending Tailings Creek Fault also to the northeast, and West Basalt Fault at the west end of the Endako Pit and the Denak West Fault between the Denak East and Denak West Pits (Figure 3).

3.2.1 Lithology

Endako Quartz Monzonite

Pink to orange-pink Endako Quartz Monzonite is the dominant rock type encountered in diamond drilling in the Water Tank Area to the northeast and SE Dump Area. This phase is equigranular to weakly porphyritic with grain-size typically 3-4mm with K-feldspar crystals ranging up to 7mm. Its composition is typically 30% quartz, 35% K-feldspar, 30% plagioclase and 5-10% variably chloritized biotite. In the ore zone, the unit is variably kaolinized ranging in colour from pale greenish to creamy white.

Casey Alaskite

Casey Alaskite or monzogranite was encountered in the two northernmost holes (S-01-03 and 04), occurring as wide dykes in Endako Quartz Monzonite. This phase is equigranular to weakly porphyritic with crystal grains 1-3mm in size. Its composition is typically 40% quartz, 45% pale pink K-feldspar, 5-10% plagioclase, 2-5% chloritized biotite, and 1% pyrite and hematite. In S-01-04, Casey monzogranite hosts significant molybdenite mineralization proximal to quartz monzonite contacts.

Plagioclase Porphyry

S-01-02 encountered a purplish porphyritic intrusive phase, consisting of 20% white sausseritized plagioclase phenocrysts with 10% quartz and K-Feldspar phenocrysts in a quartz-rich groundmass. Biotite varies from 1-5% and pyrite is relatively common at 1%. This phase is likely related to the Casey phase and hosts minor molybdenite mineralization.

Aplite Dykes

Aplites are typically pink and fine to medium-grained quartz-K-feldspar-rich dykes. These dykes vary from 1 to 40 cm thick in the 2001 drilling, show sharp contacts with host rocks, and exhibit no chilled selvages. In the ore zone, aplite dykes are often mineralized with thin stockwork quartz-molybdenite veinlets. In the Water Tank area, aplite often hosts quartz-pyrite stringers.

Basalt (Andesite) Dykes

Basaltic dykes are dark greenish grey, fine-grained and locally porphyritic in the Endako Pit and often associated with major fault systems. Significant basalt dykes are located in S-01-01 in the SE Dump area, range up to 15 feet thick and exhibit shearing along contacts and minor clay alteration. Basalt dykes are also common in S-01-02, in the Water Tank area. Here, dykes also occupy significant shear zones. In both areas, basalt dykes appear to have a subvertical orientation.

3.2.2 Structure

Pre-ore dykes associated with the Endako deposit strike to the northeast with vertical to steep westerly dips. These dykes have sharp contacts with little evidence of any deformation during intrusion. Post-ore basaltic dykes are marked by extensive gouge and brecciation, associated with major structures that likely predate ore deposition. The South Boundary Fault appears to a major controlling structure for both subsidiary structures and later hydrothermal activity (Bysouth and Wong, 1996).

As mentioned above, 4 structurally distinct zones have been identified from east to west: Endako East, Endako West, Denak East, and Denak West (Bysouth and Wong, 1996). These zones are separated by steep northeast-trending structures including the eastern pre-ore dyke swarm (between Endako East and West), West Basalt Fault, and Denak West Fault (Figure 3). The Endako East zone hosts veins that dip shallowly to the northwest. Endako West veins dip to the south; the South Basalt Fault appears to be a post-ore component of this south vein system (Bysouth and Wong, 1996). Ore structures in the Denak East dip southwesterly, turning abruptly to westerly dips in Denak West. Secondary controls include northeast trending structures with moderate southeast dips.

3.2.3 Mineralization and Alteration

Mineralization consists of molybdenite, pyrite, magnetite, minor chalcopyrite, and rare bornite, bismuthite, scheelite, and specularite. The orebody consists of a series of subparallel or en echelon quartz-molybdenite-pyrite veins and stockworks of thin veins, veinlets and mineralized fractures. Mineralization occurs in milky white to banded or ribboned quartz veins that are often brecciated and healed by quartz and late stage calcite and minor chalcedony. Molybdenite varies in grain size from very coarse and greasy to microscopic grains in quartz, referred to as "black quartz ore". A pyrite zone lies to the south of and adjacent to the orebody, with a transitional boundary in the immediate hangingwall of the South Basalt Fault.

Hydrothermal alteration occurs in three phases within the Endako ore zone. K-feldspar bearing envelopes develop around quartz-molybdenite veins and on barren quartz veins in the footwall of the deposit. Sericite envelopes consisting of quartz, sericite and pyrite are developed around quartz-molybdenite and quartz-magnetite veinlets in the orebody, and quartz-pyrite veins in the pyrite zone. Kaolinization is pervasive throughout the orebody, ranging from weak to intense.

4.0 Diamond Drilling

Five diamond drill holes totaling 2535 feet or 772.7 metres were completed on two target areas. Three holes were completed in the Water Tank Area to the northeast, and 2 more in the SE Dump Area to the southeast. Drill hole locations are plotted on Figure 2; mine coordinates and target locations are listed in Table 1. All core was logged, split in average 10-foot sample intervals, and assayed for MoS2 at the Endako Mine Laboratory.

Table 1
2001 Diamond Drill Holes

Hole	Northing	Easting	Elevation	Azimuth	Dip	Length (ft)	Length (m)	Target
S-01-01	26360	33685	3140	007	-55	587	178.9	SE Dump Area
S-01-02	31495	33353	3240	007	-50	407	124.1	Water Tank Area
S-01-03	32557	31889	3320	007	-50	507	154.5	Water Tank Area
S-01-04	32922	33384	3195	007	-80	527	160.6	Water Tank Area
S-01-05	26962	35467	3115	007	-50	507	154.5	SE Dump Area

4.1 SE Dump Area

In the SE Dump Area, **S-01-01** tested a MoS_2 geochemical anomaly in springs near the southeast toe of the waste dumps. Analysis of topography prior to mining activity indicated that the water is coming from an old drainage that subsequently has been covered with waste dumps. The source of the anomaly may be either hidden mineralization or the dumps. The absence of MoS_2 mineralization in the hole suggests that waste dumps are the likely source.

S-01-01 encountered fresh Endako Quartz Monzonite throughout most of its 587-foot length, intruded by a series of sheared basalt dykes and two narrow aplite dykes below 452 feet. Quartz pyrite veinlets are relatively common, often with weak K-feldspar and biotite selvages. MoS_2 was not positively identified and assays never exceeded 0.01% with most less than 0.005%. The relatively high pyrite content (>1%), suggests that the hole is in the pyrite zone and south of potential MoS_2 mineralization. Basalt dykes near the bottom may indicate an important structural break, possibly related to the South Boundary or South Basalt Faults (Figure 4).

S-01-05 was located over 540 metres (1780 feet) east and 180 metres (600 feet) north of S-01-01, to test north of this potential structural break. Once again, fresh Endako Quartz Monzonite with quartz-pyrite veinlets and rare MoS2 dominated the hole. A large gougy fault with only very little associated dyking was encountered between 406.5 – 475.5 feet. Quartz monzonite continues across the fault though pyrite appears to be weaker. MoS_2 grades were lower than in S-01-01, never exceeding 0.004% (Figure 8).

4.2 Water Tank Area

The Water Tank Area was targeted by a previous intersection of 90 feet grading 0.053% MoS_2 in percussion hole R344. An early hole (core or rotary?), CO13, was also reported to have encountered significant mineralization (Johnson, 2001). **S-01-02** was collared near the inferred collar location of R344, and encountered a purplish, moderately porphyritic dyke, likely related to the Casey phase monzogranite. Modest MoS_2 mineralization was encountered near the top of the hole, occurring as small blebs along the selvages of thin quartz veinlets. The hole did not completely penetrate a broad zone of basalt dykes/faults between 199 – 407 feet (Figure 5). These dykes likely mark a significant structural break. Kaolinization appears to be stronger adjacent to these steep dykes.

S-01-03 was collared almost 450 metres east and 320 metres north of S-01-02 to test for possible northeast extensions of several vein systems and other favourable structures in an area lacking drill testing. Fresh to weakly sericitized Endako Quartz Monzonite is intruded by a 55-foot length of Casey

monzogranite. Aplite dykes are relatively common. Quartz-pyrite-hematite- MoS_2 veinlets are scattered throughout, with 11 sample intervals assaying greater than 0.01% MoS_2 (Figure 6).

S-01-04 was collared 435 metres north of S-01-02 and 455 metres east of S-01-03, following up on encouraging results in S-01-03. The hole was started at –50° dip, but appeared to deflect along the till-bedrock interface at around 160 feet, forcing the hole to be recollared at –80°. The steepened hole hit bedrock at a depth of 140 feet, entering quartz monzonite to 256 feet. At that point, the hole passed a sharp, unsheared contact into Casey monzogranite to 460 feet, followed by another section of Endako Quartz Monzonite to 518 feet. The rest of the hole to 527 feet was Casey monzogranite (Figure 7). Both the Endako and Casey phases are relatively fresh with weak kaolinization and sericitization.

Aplite dykes are relatively common in the Endako phase and absent in the Casey phase. However, quartz-MoS_2+/-pyrite+/-hematite veinlets occur with equal frequency below the top Endako unit. Assays range up to 0.132% MoS_2 over a 10 foot sample, and 0.043% MoS_2 over 80 feet. Orientations of mineralized veinlets cluster around 35-45° to core axis and 60° to core axis.

5.0 Conclusions and Recommendations

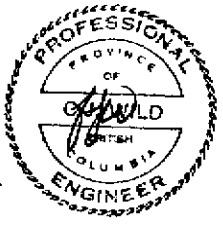
1. Two target areas, the SE Dump Area and the Water Tank Area were tested by 2 and 3 diamond drill holes, respectively, totaling 772.7 metres.

2. The SE Dump Area is underlain by Endako Quartz Monzonite and cut by steep east or northeast-trending structures. Pyrite is strong; suggesting that the area drilled constitutes part of the pyrite zone. This suggests that any potential mineralized zones likely lie to the north.

3. The Water Tank Area is underlain by Endako Quartz Monzonite, Casey monzogranite, and a porphyritic intrusive, likely a variant of the Casey phase. Increased structural complexity and significant though subeconomic molybdenite mineralization may be related to northeast-trending structures from the Endako Pit.

4. Further drilling is recommended for both target areas with more emphasis warranted to the northeast, near S-01-04, where a 10 foot sample assayed 0.132% MoS_2.

Respectfully submitted,



Christopher J. Wild, P.Eng.
Consulting Geological Engineer

February 5, 2002

6.0 References

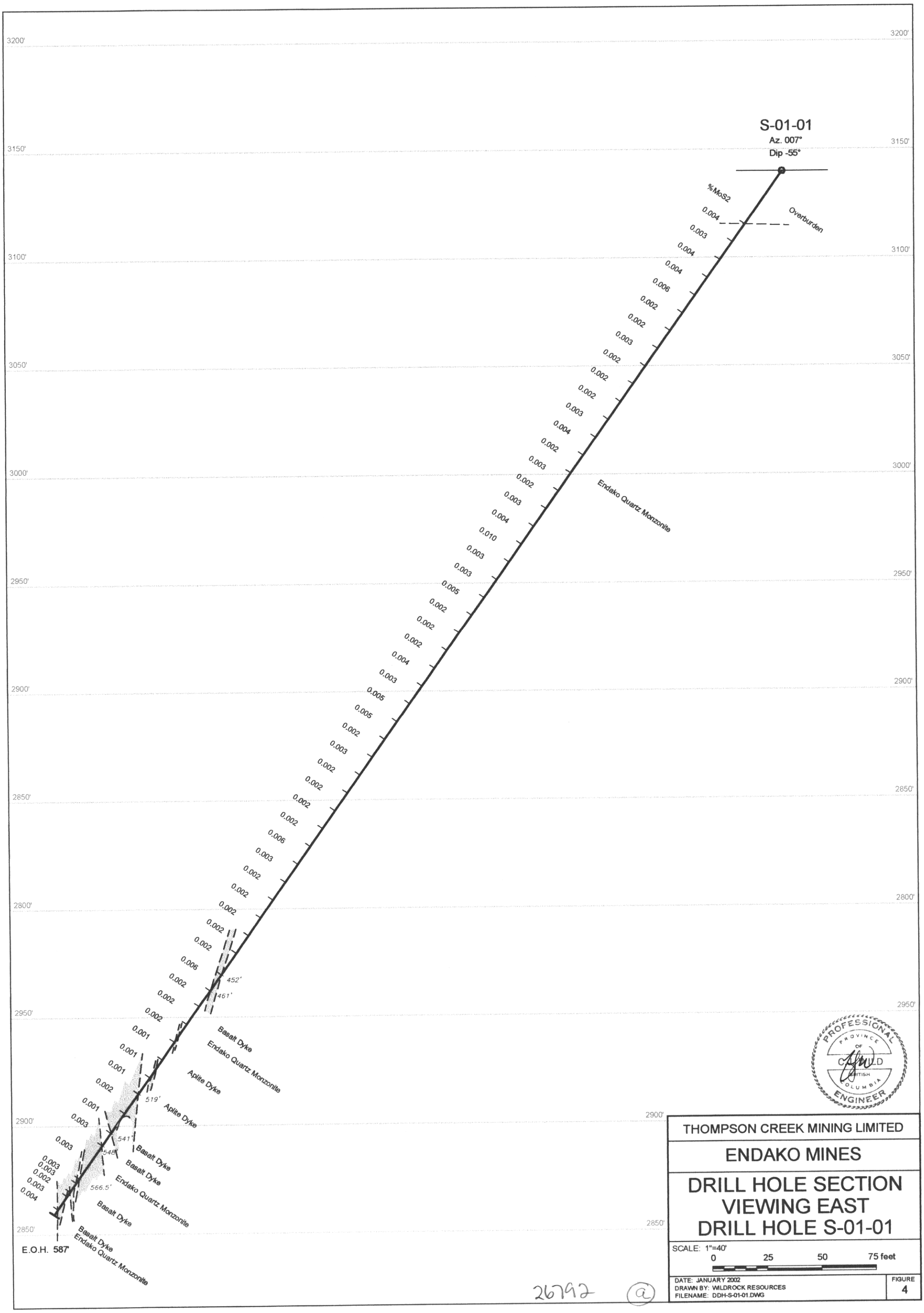
Bysouth, G.D. and Buckley, P., (1977): Possible Ore Extensions to the Endako Orebody, Confidential Report, Canex Placer Inc., Endako Mines Division.

Bysouth, G.D. and Wong, G.Y., (1995): The Endako molybdenum mine, central British Columbia: An update, *in* Schroeter T., ed.; Porphyry deposits of the northwestern Cordillera of North America, Canadian Institute of Mining and Metallurgy Special Volume 46, p. 697-703.

Johnson; G.R. (2001); Claim Assessment Summary, Thompson Creek Mining Ltd. internal memorandum.

Kimura, E.T., Bysouth, G.D. and Drummond, A.D., (1976): Endako, *in* Sutherland-Brown, A., ed., Porphyry Deposits of the Canadian Cordillera, Canadian Institute of Mining and Metallurgy Special Volume 15, p. 444-454.

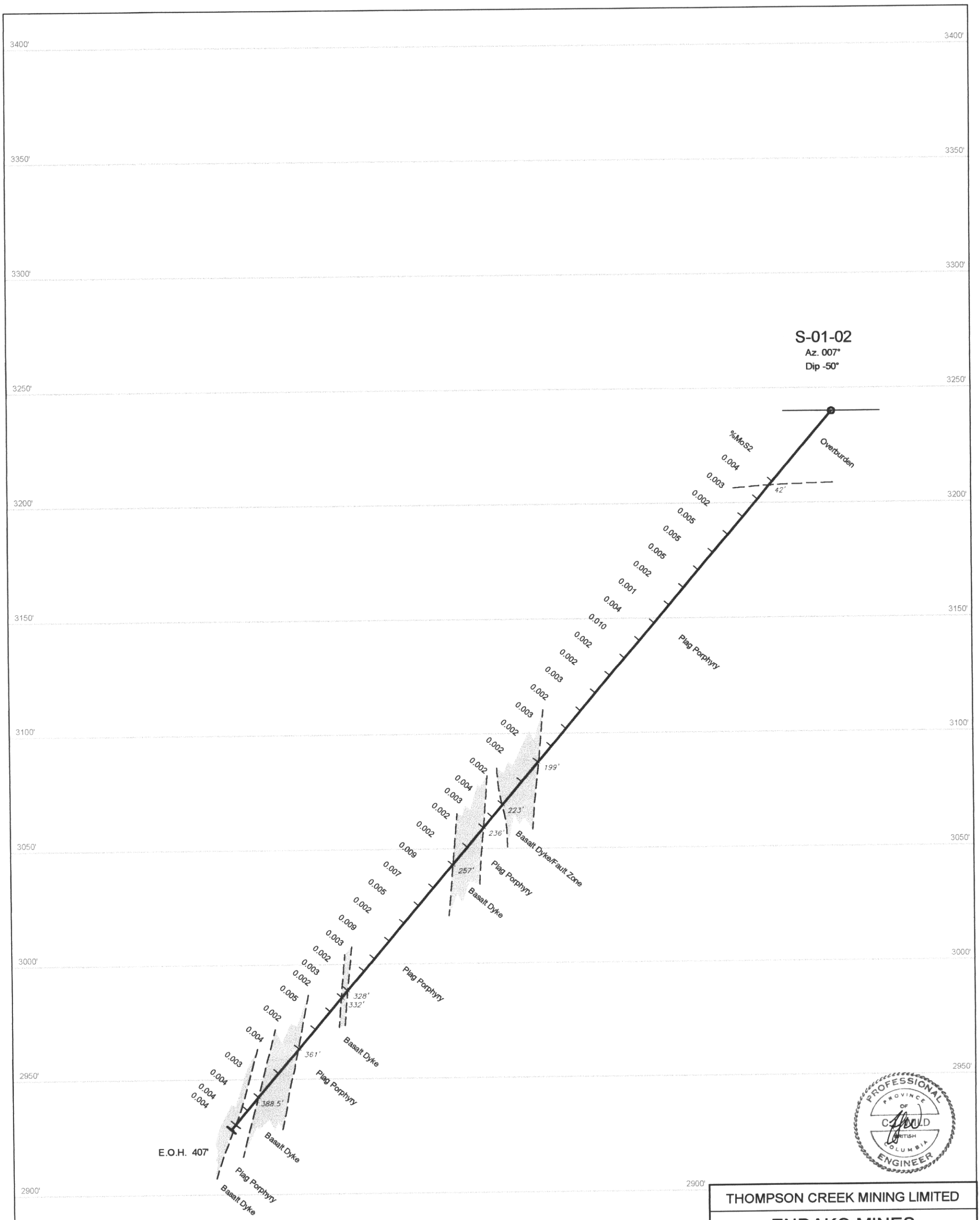
Villeneuve, M., Whalen J.B., Anderson, R.G., and Struik, L.C., (2001): The Endako Batholith: Episodic Plutonism Culminating in Formation of the Endako Porphyry Molybdenite Deposit, North-Central British Columbia; Economic Geology, v. 96, p 171-196.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. A. WILD

THOMPSON CREEK MINING LIMITED
ENDAKO MINES
DRILL HOLE SECTION VIEWING EAST DRILL HOLE S-01-01
SCALE: 1"=40' 0 25 50 75 feet
DATE: JANUARY 2002 DRAWN BY: WILDROCK RESOURCES FILENAME: DDH-S-01-01.DWG — FIGURE 4

26792 (a)



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

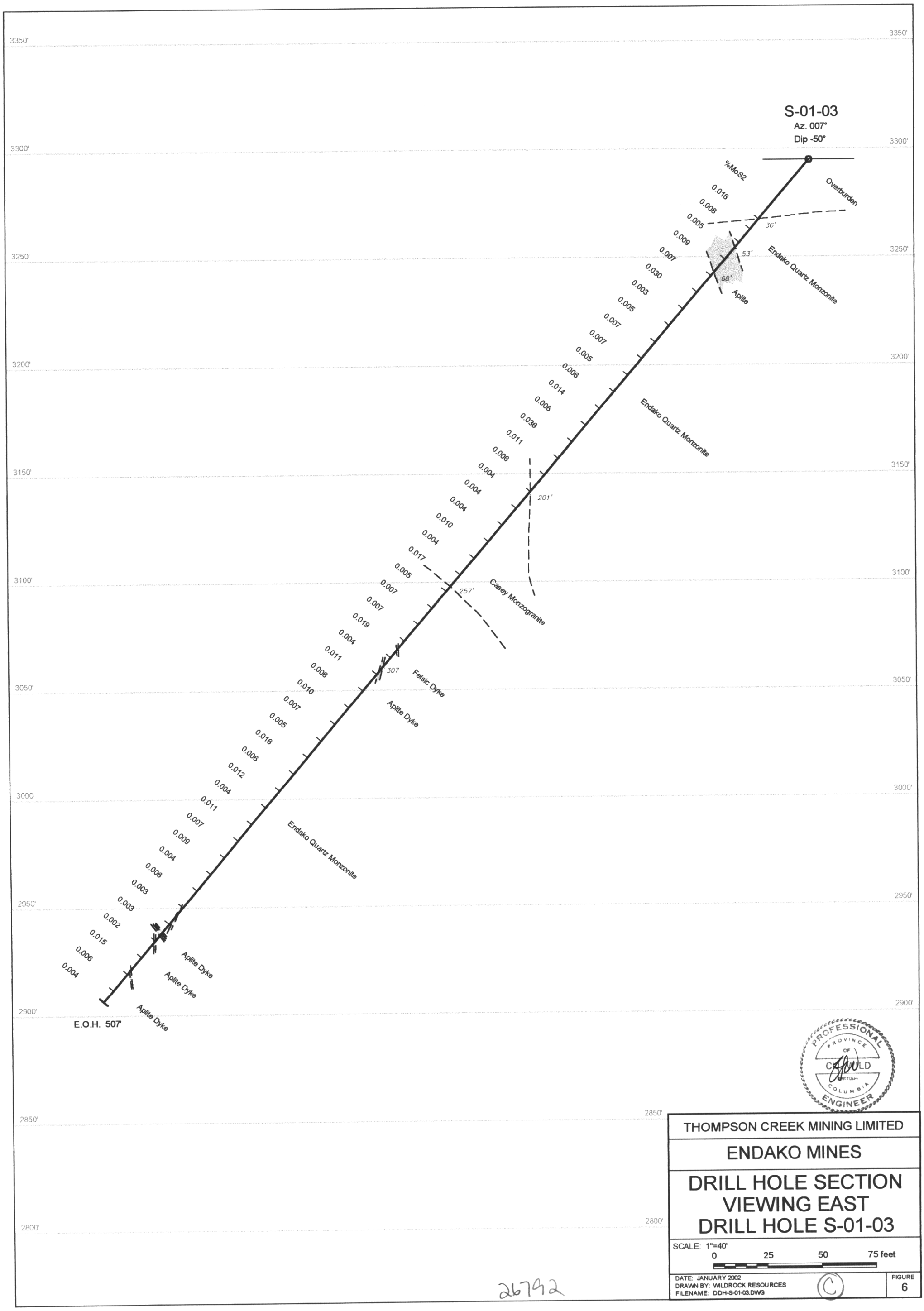
DRILL HOLE SECTION VIEWING EAST DRILL HOLE S-01-02

SCALE: 1"=40'
0 25 50 75 feet

DATE: JANUARY 2002
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-01-02.DWG

FIGURE 5

26792 (b)



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. GOULD

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

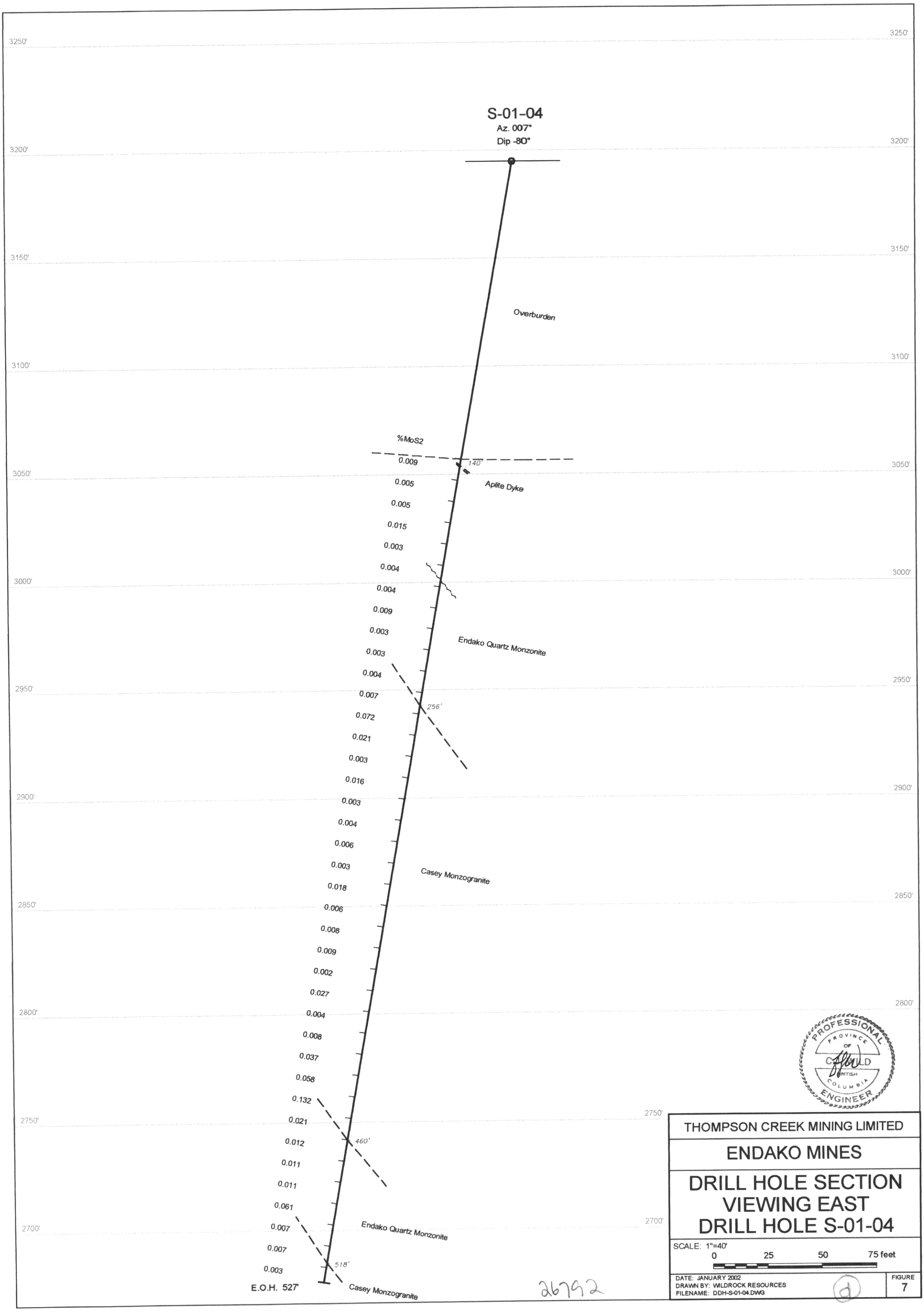
DRILL HOLE SECTION
VIEWING EAST
DRILL HOLE S-01-03

SCALE: 1"=40'
0 25 50 75 feet

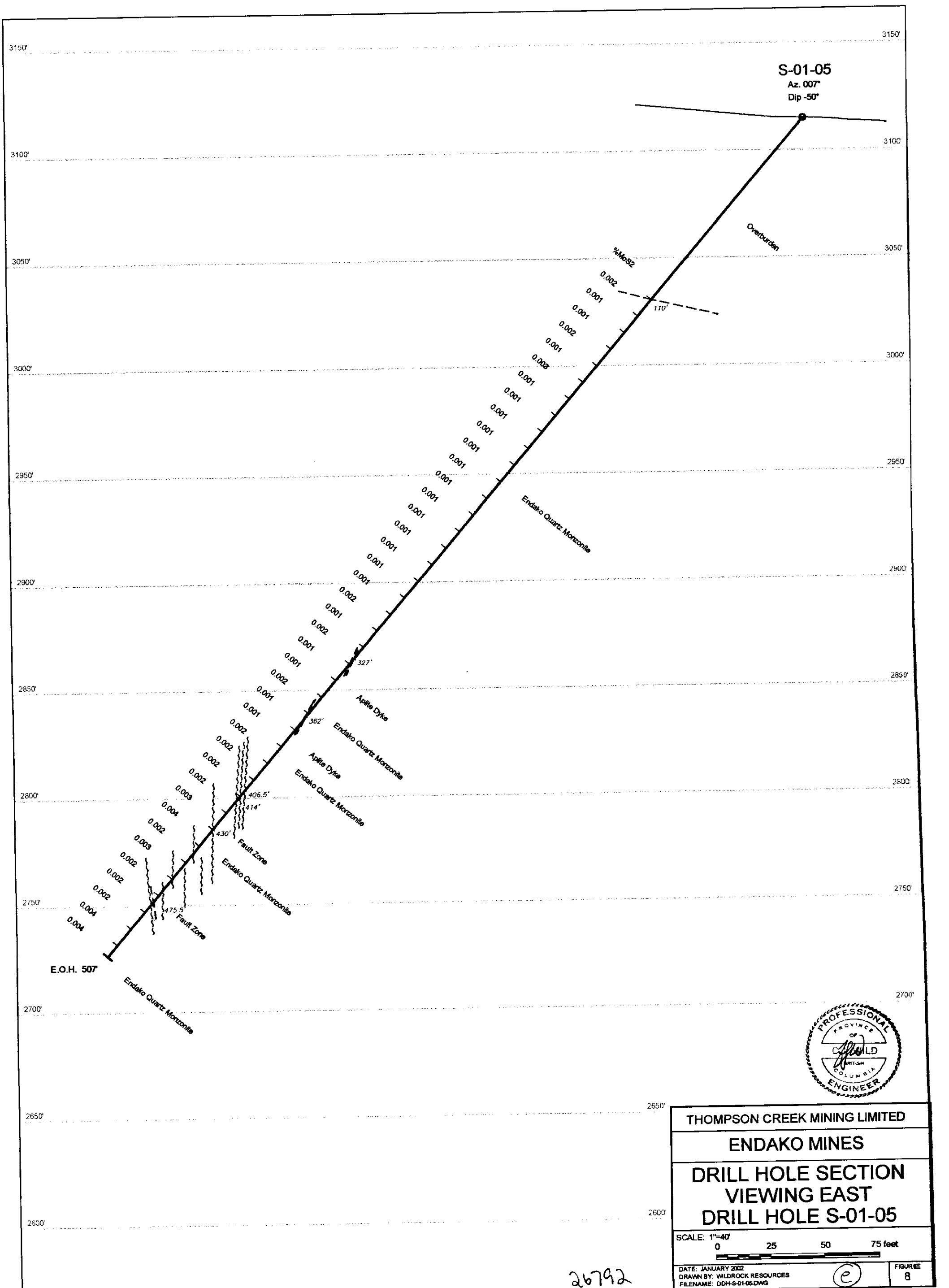
DATE: JANUARY 2002
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-01-03.DWG

FIGURE 6

26792


S-01-04
Az. 007°
Dip -80°
3250'
3200'
3150'
3100'
3050'
3000'
2950'
2900'
2850'
2800'
2750'
2700'
Overburden
%MoS2
0.009
0.005
0.005
0.015
0.003
0.004
0.004
0.009
0.003
0.003
0.004
0.007
0.072
0.021
0.003
0.016
0.003
0.004
0.006
0.003
0.018
0.006
0.008
0.009
0.002
0.027
0.004
0.008
0.037
0.058
0.132
0.021
0.012
0.011
0.011
0.061
0.007
0.007
0.003
140'
Aplite Dyke
256'
Endako Quartz Monzonite
460'
Casey Monzogranite
518'
Endako Quartz Monzonite
E.O.H. 527'
Casey Monzogranite
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
THOMPSON CREEK MINING LIMITED
ENDAKO MINES
DRILL HOLE SECTION
VIEWING EAST
DRILL HOLE S-01-04
SCALE: 1"=40'
0 25 50 75 feet
DATE: JANUARY 2002
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-01-04.DWG
FIGURE
7

26792



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. FIELD

26792

THOMPSON CREEK MINING LIMITED	
ENDAKO MINES	
DRILL HOLE SECTION VIEWING EAST DRILL HOLE S-01-05	
SCALE: 1"=40' 0 25 50 75 feet	
DATE: JANUARY 2002 DRAWN BY: WILDROCK RESOURCES FILENAME: DDH-S-01-05.DWG	FIGURE 8

Appendix 1
2001 Program Expenditures

Diamond Drilling						
LDS	Dec 14 - Dec 20, 2001	Drilling Supplies and Labour				$40,395.67
Geological Consulting						
Wildrock	Dec 14 - Jan 31, 2001	Consulting	10 *(days)*	$300 pd		$ 3,000.00
		Vehicle				$ 478.00
		Living Expenses				$ 718.26
			(hrs)	($/hr)		
Mine Equipment		T-8	8	$ 60.00		$ 480.00
- pad and access prep		L-11	4	$ 75.00		$ 300.00
		L-8	6	$ 75.00		$ 450.00
		T-2	2	$ 100.00		$ 200.00
			(hrs)	($/hr)		
Mine Operations Labour		Total mhrs	24	$ 35.00		$ 840.00
Mine Temp Labour		Core Splitter	80	$ 16.95		$ 1,356.16
			ea.	($/ea)		
Assays		Internal	220	$ 5.00		$ 1,100.00
Subtotal						$49,318.09
Overhead	@ 10%	10%	*of*	*$49,318.09*		$ 4,931.81
Total estimate of the 2001 DDH Program						***$54,249.90***

Appendix 2

Statement of Qualifications

I, Christopher J. Wild, do hereby certify that:

1 I am a consulting geological engineer currently residing at 307 Lexington Road, Williams Lake, British Columbia.

2 I am a graduate of the University of British Columbia, Geological Engineering, Mineral Exploration Option (1984).

3 I have worked in mineral exploration and mine geology in Canada and Argentina on a full-time basis since 1985.

4 I am Registered Member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (1994), and am a member of the Canadian Institute of Mining and Metallurgy (CIM).

5 I supervised all exploration activity documented in this report.

6 I have no interest in Thompson Creek Mining Ltd. nor Nissho Iwai Corp. nor their subsidiaries; or in the claims described herein nor any adjoining the properties.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

Christopher J. Wild, P.Eng.
Consulting Geological Engineer

February 5, 2002

Appendix 2
Statement of Qualifications

I, Ian Thompson of Thompson Creek Mining, Endako Mines Division, Endako B.C., do hereby certify that:

1. I am a graduate of the University of British Columbia with a B.A.Sc. in Mining and Mineral Processing in 1989.

2. From 1989 until present, I have been engaged in both underground and open pit operations in Manitoba and British Columbia in both engineering and operations capacities.

3. I personally participated in the planning and supervision of the diamond drill program.

Ian Thompson, Mine Engineer

February 5, 2002

Appendix 3
Tenure Information

Tenure #	Claim Name	FMC #	% Ownership	Map #	Status as @ Jan21, 2002	Mining Division	# of Units	Tag Number
237841	FRAN 100	140102	100	093K03E	Good Standing 20030128	15 Omineca	8	1216
237842	DOLLY 30	140102	100	093K03E	Good Standing 20020218	15 Omineca	4	1217
237843	DOLLY 31	140102	100	093K03E	Good Standing 20020218	15 Omineca	2	1218
237863	CASEY 1	140102	100	093K03E	Good Standing 20020624	15 Omineca	4	1224
237872	MIST 20	140102	100	093K03E	Good Standing 20020611	15 Omineca	6	1223
237873	MIST 21	140102	100	093K03E	Good Standing 20020611	15 Omineca	2	1222
237874	CO 30	140102	100	093K03E	Good Standing 20020722	15 Omineca	8	1225
237875	CO 31	140102	100	093K03E	Good Standing 20020722	15 Omineca	4	1226
237920	DENAK 1	140102	100	093K03E	Good Standing 20030301	15 Omineca	1	1234
237921	DENAK 2	140102	100	093K03E	Good Standing 20030301	15 Omineca	1	1235
238160	FRAN 101	140102	100	093K03E	Good Standing 20020813	15 Omineca	4	41673
238161	FRAN 102	140102	100	093K03E	Good Standing 20020813	15 Omineca	2	41675
238162	FRAN 103	140102	100	093K03E	Good Standing 20020813	15 Omineca	1	41674
238163	CASEY 3	140102	100	093K03E	Good Standing 20020813	15 Omineca	6	41671
238164	CASEY 4	140102	100	093K03E	Good Standing 20020813	15 Omineca	9	41670
238356	MIST 22	140102	100	093K03E	Good Standing 20021107	15 Omineca	1	41691
238357	MIST 23	140102	100	093K03E	Good Standing 20021107	15 Omineca	4	41692
238358	MIST 24	140102	100	093K03E	Good Standing 20021107	15 Omineca	1	41693
243448		140102	100	093K03E	Good Standing 20020506	15 Omineca	0	
243450		140102	100	093K03E	Good Standing 20020906	15 Omineca	0	
243457		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243458		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243459		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243460		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243461		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243462		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243463		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243464		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243465		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243466		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243467		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243468		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243469		140102	100	093K03E	Good Standing 20020923	15 Omineca	0	
243470		140102	100	093K03E	Good Standing 20030105	15 Omineca	0	
243471		140102	100	093K03E	Good Standing 20030105	15 Omineca	0	
243472		140102	100	093K03E	Good Standing 20030105	15 Omineca	0	
243473		140102	100	093K03E	Good Standing 20030105	15 Omineca	0	
243474		140102	100	093K03E	Good Standing 20030105	15 Omineca	0	
243482		140102	100	093K03E	Good Standing 20020129	15 Omineca	0	
243483		140102	100	093K03E	Good Standing 20020129	15 Omineca	0	
243484		140102	100	093K03E	Good Standing 20020129	15 Omineca	0	
243485		140102	100	093K03E	Good Standing 20020129	15 Omineca	0	
243486		140102	100	093K03E	Good Standing 20020129	15 Omineca	0	
243569	BOOT NO.7	140102	100	093K03E	Good Standing 20020726	15 Omineca	1	229481
243570	MO NO. 1	140102	100	093K03E	Good Standing 20020802	15 Omineca	1	269501
243571	MO NO. 2	140102	100	093K03E	Good Standing 20020802	15 Omineca	1	269502
243572	MO NO. 3	140102	100	093K03E	Good Standing 20020802	15 Omineca	1	269503
243573	MO NO. 4	140102	100	093K03E	Good Standing 20020802	15 Omineca	1	269504
243574	MO NO. 8	140102	100	093K03E	Good Standing 20020802	15 Omineca	1	269508
243575	MO NO. 9	140102	100	093K03E	Good Standing 20030802	15 Omineca	1	269509
243576	TAN NO.1	140102	100	093K03E	Good Standing 20021107	15 Omineca	1	269575
243577	TAN NO.2	140102	100	093K03E	Good Standing 20021107	15 Omineca	1	269576
243578	ELK NO.1	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376801
243579	ELK NO.2	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376802
243580	ELK NO.3	140102	100	093K03E	Good Standing 20021116	15 Omineca	1	376803
243581	ELK NO.8	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376808
243582	ELK NO.9	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376809
243583	ELK NO.10	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376810
243584	ELK NO.11	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376811
243585	ELK NO.12	140102	100	093K03E	Good Standing 20031116	15 Omineca	1	376812
243592	BAR 1 FR.	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	438837
243593	FRAN 1	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415782
243594	FRAN 2	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415783
243595	FRAN 3	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415784

243596	FRAN 4	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415785
243597	FRAN 5	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415786
243598	FRAN 6	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415787
243599	FRAN 7	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415788
243600	FRAN 8	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415789
243601	FRAN 9	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415790
243602	FRAN 10	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415791
243603	FRAN 11	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415792
243604	FRAN 12	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415793
243605	FRAN 13	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415794
243606	FRAN 14	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415795
243607	FRAN 15	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415796
243608	FRAN 16	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415797
243609	FRAN 17	140102	100	093K03E	Good Standing 20020811	15 Omineca	1	415798
243610	FRAN 18	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415799
243611	FRAN 19	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415800
243612	FRAN 20	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415801
243613	FRAN 21	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415802
243614	FRAN 22	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415803
243615	FRAN 23	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415804
243616	FRAN 24	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415805
243617	FRAN 25	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415806
243618	FRAN 26	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415807
243619	FRAN 27	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415808
243620	FRAN 28	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415809
243621	CO 1	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415834
243622	CO 2	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415835
243623	CO 3	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415836
243624	CO 4	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415837
243625	CO 5	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415838
243626	CO 6	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415839
243627	CO 7	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415840
243628	CO 8	140102	100	093K03E	Good Standing 20020823	15 Omineca	1	415841
243629	TI 1	140102	100	093K03E	Good Standing 20030823	15 Omineca	1	415830
243630	TI 2	140102	100	093K03E	Good Standing 20030823	15 Omineca	1	415831
243631	TI 3	140102	100	093K03E	Good Standing 20030823	15 Omineca	1	415832
243632	FRAN 29	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415810
243633	FRAN 30	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415811
243634	FRAN 31	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415812
243635	FRAN 32	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415814
243636	FRAN 33	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415813
243637	FRAN 35	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415816
243638	FRAN 37	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415817
243639	FRAN 39	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415820
243640	FRAN 41	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415822
243641	FRAN 43	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415824
243642	FRAN 45	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415826
243643	FRAN 46	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415827
243644	FRAN 47	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415828
243645	FRAN 48	140102	100	093K03E	Good Standing 20030811	15 Omineca	1	415829
243648	BINGO NO.1	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438865
243649	BINGO NO.2	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438866
243650	BINGO NO.3	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438867
243651	BINGO NO.4	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438868
243652	BINGO NO.5	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438869
243653	BINGO NO.6	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438870
243654	BINGO NO.7	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438871
243655	BINGO NO.8	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438872
243656	BINGO NO.9	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438873
243657	BINGO NO.10	140102	100	093K03E	Good Standing 20030905	15 Omineca	1	438874
243658	BINGO NO.31	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438895
243659	BINGO NO.32	140102	100	093K03E	Good Standing 20030907	15 Omineca	1	438896
243660	BINGO NO.33	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438897
243661	BINGO NO.34	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438898
243662	BINGO NO.35	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438899
243663	BINGO NO.36	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438900
243664	BINGO NO.37	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438901
243665	BINGO NO.38	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438902

243666	BINGO NO.39	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438903
243667	BINGO NO.40	140102	100	093K03E	Good Standing 20020907	15 Omineca	1	438904
243668	NU #7	140102	100	093K03E	Good Standing 20021130	15 Omineca	1	431657
243669	NU #8	140102	100	093K03E	Good Standing 20021130	15 Omineca	1	431658
243670	NU #9	140102	100	093K03E	Good Standing 20021130	15 Omineca	1	431659
243671	NU #10	140102	100	093K03E	Good Standing 20021130	15 Omineca	1	431660
243702	DEER #1	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434777
243703	DEER #2	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	454778
243704	DEER #5	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434781
243705	DEER #6	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434782
243706	DEER #7	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434783
243707	DEER #8	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434784
243708	DEER #3	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434779
243709	DEER #4	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434780
243710	DEER #9	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434785
243711	DEER #10	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434786
243712	DEER #11	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434787
243713	DEER #12	140102	100	093K03E	Good Standing 20020402	15 Omineca	1	434788
243714	PAT #1	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396231
243720	PAT #7	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396237
243721	PAT #8	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396238
243722	PAT #9	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396239
243723	PAT #10	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396240
243724	PAT #17	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396247
243725	PAT #18	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396248
243726	PAT #19	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396249
243727	PAT #20	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396250
243728	PAT #21	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396251
243729	PAT #22	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396252
243730	PAT #23	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396253
243731	PAT #24	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396254
243732	PAT #29	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396259
243733	PAT #30	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396260
243734	PAT #31	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396261
243735	PAT #32	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396262
243736	PAT #33	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396263
243737	PAT #34	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396264
243738	PAT #35	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396265
243739	PAT #36	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396266
243740	PAT #41	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396271
243741	PAT #42	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396272
243742	PAT #43	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396273
243743	PAT #44	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396274
243744	PAT #45	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396275
243745	PAT #46	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396276
243746	PAT #51	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396281
243747	PAT #52	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396282
243748	PAT #53	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396283
243749	PAT #54	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396284
243750	PAT #55	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396285
243751	PAT #56	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396286
243752	PAT #57	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396287
243753	PAT #58	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396288
243754	PAT #59	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396289
243755	PAT #60	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396290
243756	PAT #63	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396293
243757	PAT #64	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396294
243758	PAT #65	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396295
243759	PAT #66	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396296
243760	PAT #67	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396297
243761	PAT #68	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396298
243762	PAT #69	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396299
243763	PAT #70	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	396300
243764	PAT #71	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	329869
243765	PAT #72	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	330854
243766	PAT #77	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	457119
243767	PAT #79	140102	100	093K03E	Good Standing 20020619	15 Omineca	1	457117
243768	DIS #29	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436132

243769	DIS #30	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436133
243770	DIS #31	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436134
243771	DIS #32	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436135
243772	DIS #33	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436136
243773	DIS #34	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436137
243774	DIS #35	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436138
243775	DIS #36	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436139
243776	PAT #97	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457137
243777	PAT #99	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457139
243778	PAT #101	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457141
243779	PAT #103	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457143
243780	PAT #105	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457145
243781	PAT #107	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457151
243782	PAT #108	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457152
243783	PAT #109	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457153
243784	PAT #110	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457154
243785	PAT #111	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457155
243786	PAT #112	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457156
243787	PAT #113	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457157
243788	PAT #114	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457158
243789	PAT #116	140102	100	093K03E	Good Standing 20020705	15 Omineca	1	457160
243828	DAT #401	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466401
243829	DAT #403	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466403
243830	DAT #405	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466405
243831	DAT #406	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466406
243832	DAT #410	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466410
243833	DAT #411	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466411
243834	DAT #413 FR.	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466413
243835	DEER 3 FR.	140102	100	093K03E	Good Standing 20020322	15 Omineca	1	355954
243836	DEER 4 FR.	140102	100	093K03E	Good Standing 20020322	15 Omineca	1	355953
243837	AL #1 FR.	140102	100	093K03E	Good Standing 20020329	15 Omineca	1	355956
243838	AL #2 FR.	140102	100	093K03E	Good Standing 20030329	15 Omineca	1	355957
243843	AL #3 FR.	140102	100	093K03E	Good Standing 20030410	15 Omineca	1	355960
243844	AL #4 FR.	140102	100	093K03E	Good Standing 20020410	15 Omineca	1	355959
243846	FRAN FR. #1	140102	100	093K03E	Good Standing 20020514	15 Omineca	1	479493
243865	BAR 1A FR.	140102	100	093K03E	Good Standing 20020717	15 Omineca	1	479551
243866	TAN #2 FR.	140102	100	093K03E	Good Standing 20020717	15 Omineca	1	479552
243880	MO NO. 6 FR.	140102	100	093K03E	Good Standing 20030829	15 Omineca	1	499774
243881	TAN FR.	140102	100	093K03E	Good Standing 20020702	15 Omineca	1	475543
243883	MO #7 FR.	140102	100	093K03E	Good Standing 20030916	15 Omineca	1	499775
243884	FRAN #2 FR.	140102	100	093K03E	Good Standing 20020916	15 Omineca	1	499776
243928	ELK #5 FR.	140102	100	093K03E	Good Standing 20030612	15 Omineca	1	479532
243929	ELK #4 FR.	140102	100	093K03E	Good Standing 20030612	15 Omineca	1	479499
244013	ELK NO.9 FR.	140102	100	093K03E	Good Standing 20030730	15 Omineca	1	479530
244048	FRAN #3 FR.	140102	100	093K03E	Good Standing 20020317	15 Omineca	1	479521
244049	FRAN #4 FR.	140102	100	093K03E	Good Standing 20030317	15 Omineca	1	479522
244175	DEER 5 FR.	140102	100	093K03E	Good Standing 20020617	15 Omineca	1	617618M
244176	DEER 6 FR.	140102	100	093K03E	Good Standing 20020617	15 Omineca	1	617619M
244225	ELK 8 FR.	140102	100	093K03E	Good Standing 20030809	15 Omineca	1	617561M
244226	ELK 10 FR.	140102	100	093K03E	Good Standing 20030809	15 Omineca	1	617622M
244227	ELK 11 FR.	140102	100	093K03E	Good Standing 20030809	15 Omineca	1	617623M
244246	DOLLY 3 FR.	140102	100	093K03E	Good Standing 20021122	15 Omineca	1	617896M
244247	DOLLY 4 FR.	140102	100	093K03E	Good Standing 20021122	15 Omineca	1	617897M
244249	FRAN 5 FR.	140102	100	093K03E	Good Standing 20020302	15 Omineca	1	732219
244250	FRAN 6 FR.	140102	100	093K03E	Good Standing 20020302	15 Omineca	1	732220
244251	FRAN 7 FR.	140102	100	093K03E	Good Standing 20020302	15 Omineca	1	732367
244252	FRAN 8 FR.	140102	100	093K03E	Good Standing 20020302	15 Omineca	1	732368
244255	PAT 130	140102	100	093K03E	Good Standing 20020316	15 Omineca	1	732369
244256	PAT 131	140102	100	093K03E	Good Standing 20020316	15 Omineca	1	732370
244257	PAT 132 FR.	140102	100	093K03E	Good Standing 20020316	15 Omineca	1	732371
244258	PAT 133 FR.	140102	100	093K03E	Good Standing 20020316	15 Omineca	1	732372
244280	CO 25 FR.	140102	100	093K03E	Good Standing 20020922	15 Omineca	1	732243
244281	MIST 1	140102	100	093K03E	Good Standing 20020915	15 Omineca	1	732222
244282	MIST 2	140102	100	093K03E	Good Standing 20020915	15 Omineca	1	732221
244283	MIST 3	140102	100	093K03E	Good Standing 20020915	15 Omineca	1	732223
244284	MIST 11	140102	100	093K03E	Good Standing 20020915	15 Omineca	1	732231
244285	MIST 12	140102	100	093K03E	Good Standing 20020915	15 Omineca	1	732232
244321	DOLLY 9 FR.	140102	100	093K03E	Good Standing 20021213	15 Omineca	1	732382

244322	DOLLY 10 FR.	140102	100	093K03E	Good Standing 20021213	15 Omineca	1	732385
244323	DOLLY 19	140102	100	093K03E	Good Standing 20021213	15 Omineca	1	732383
244324	DOLLY 20	140102	100	093K03E	Good Standing 20021213	15 Omineca	1	732384
244325	DOLLY 8 FR.	140102	100	093K03E	Good Standing 20021213	15 Omineca	1	732381
244411	BINGO 41	140102	100	093K03E	Good Standing 20030920	15 Omineca	1	863037
244412	BINGO 42	140102	100	093K03E	Good Standing 20030920	15 Omineca	1	863038
244413	BINGO 43	140102	100	093K03E	Good Standing 20030920	15 Omineca	1	863039
244414	BINGO 44	140102	100	093K03E	Good Standing 20030920	15 Omineca	1	863040
244437	DOLLY 12 FR.	140102	100	093K03E	Good Standing 20021202	15 Omineca	1	863050
244664	VZ 1	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970121
244665	VZ 2	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970122
244666	VZ 3	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970123
244667	VZ 4	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970124
244668	VZ 5	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970125
244669	VZ 6	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970126
244670	VZ 7	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970127
244671	VZ 8	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970128
244672	VZ 9	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970129
244673	VZ 10	140102	100	093K03E	Good Standing 20030116	15 Omineca	1	970130
244682	BEN 1	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970151
244683	BEN 2	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970152
244684	BEN 3	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970153
244685	BEN 4	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970154
244686	BEN 5	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970155
244687	BEN 6	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970156
244688	BEN 7	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970157
244689	BEN 8	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970158
244690	BEN 9	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970149
244691	BEN 10	140102	100	093K03E	Good Standing 20030226	15 Omineca	1	970150
244737	OVAL 1	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879851
244738	OVAL 2	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879852
244739	OVAL 3	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879853
244740	OVAL 4	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879854
244741	OVAL 5	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879855
244742	OVAL 6	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879856
244743	OVAL 7	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879857
244744	OVAL 8	140102	100	093K03E	Good Standing 20020509	15 Omineca	1	879858
244759	SAM 5	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863055
244760	SAM 6	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863056
244761	SAM 7	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863057
244762	SAM 8	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863058
244763	SAM 9	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863059
244764	SAM 10	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863060
244765	SAM 11	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863061
244766	SAM 12	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863062
244767	SAM 13	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863063
244768	SAM 14	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863064
244769	SAM 15	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863065
244770	SAM 16	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863066
244771	SAM 17	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863069
244772	SAM 18	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863070
244773	SAM 19	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863071
244774	SAM 20	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863072
244775	SAM 21	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863073
244776	SAM 22	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863074M
244777	SAM 23	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863075
244778	SAM 24	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863076
244779	SAM 25	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863077
244780	SAM 26	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863078
244781	SAM 27	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863079
244782	SAM 28	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863080
244783	SAM 29	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863081
244784	SAM 30	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863082
244785	SAM 31	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863083
244786	SAM 32	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	863084
244787	SAM 35	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879803
244788	SAM 36	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879804
244789	SAM 37	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879805

244790	SAM 38	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879806
244791	SAM 39	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879807
244792	SAM 40	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879808
244793	SAM 41	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879809
244794	SAM 42	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879810
244795	SAM 43	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879811
244796	SAM 44	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879812
244797	SAM 48	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879816
244798	SAM 49	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879817
244799	SAM 50	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879818
244800	SAM 51	140102	100	093K03E	Good Standing 20030417	15 Omineca	1	879819
244913	SAM 80	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879863
244914	SAM 81	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879864
244915	SAM 82	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879865
244916	SAM 83	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879866
244917	SAM 84	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879867
244918	SAM 85	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879868
244919	SAM 86	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879869
244920	SAM 87	140102	100	093K03E	Good Standing 20030912	15 Omineca	1	879870
244927	DAT 2 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879873
244928	DAT 3 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879874
244929	DAT 4 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879875
244930	DAT 5 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879876
244931	DAT 6 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879877
244932	DAT 7 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879878
244933	DAT 8 FR.	140102	100	093K03E	Good Standing 20031031	15 Omineca	1	879879
245325	CORA #1 FR.	140102	100	093K03E	Good Standing 20030503	15 Omineca	1	421957
245326	CORA #2	140102	100	093K03E	Good Standing 20030503	15 Omineca	1	421958
245327	CORA #3	140102	100	093K03E	Good Standing 20030503	15 Omineca	1	421959
245328	CORA #4	140102	100	093K03E	Good Standing 20030503	15 Omineca	1	422259
245329	CORA #5	140102	100	093K03E	Good Standing 20030503	15 Omineca	1	421960
245394	DAT 1	140102	100	093K03E	Good Standing 20030623	15 Omineca	1	206644M
245395	DAT 2	140102	100	093K03E	Good Standing 20030623	15 Omineca	1	206645M
245396	DAT 9 FR.	140102	100	093K03E	Good Standing 20030719	15 Omineca	1	91047M
245643	BING 1	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259761M
245644	BING 2	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259762M
245645	BING 3	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259763M
245646	BING 4	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259764M
245647	BING 5	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259765M
245648	BING 6	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259766M
245649	BING 7	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259767M
245650	BING 8	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259768M
245651	BING 9 FR.	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	259769M
245652	BING 10	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	91064M
245653	BING 11	140102	100	093K03E	Good Standing 20031006	15 Omineca	1	91065M
245888	LK 13 FRACTION	140102	100	093K03E	Good Standing 20030513	15 Omineca	1	260350M
304815	DAT #415	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466415
304864	DAT #416	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466416
307036	DIS #26	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436129
307038	DIS #28	140102	100	093K03E	Good Standing 20030629	15 Omineca	1	436131
307068	DIS 2 FRAC.	140102	100	093K03E	Good Standing 20030725	15 Omineca	1	879860
307085	DAT #402	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466402
307086	DAT #404	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466404
307087	DAT #407	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466407
307088	DAT #408	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466408
307089	DAT #409	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466409
307090	DAT #412	140102	100	093K03E	Good Standing 20031119	15 Omineca	1	466412
369667	ESMERALDA	140102	100	093K03E	Good Standing 20020618	15 Omineca	1	689761M
382623	PAT 205	140102	100	093K03E	Good Standing 20021117	15 Omineca	1	692515M
382624	PAT 206	140102	100	093K03E	Good Standing 20021117	15 Omineca	1	692516M
382625	PAT 207	140102	100	093K03E	Good Standing 20021117	15 Omineca	1	692517M
382626	PAT 208	140102	100	093K03E	Good Standing 20021117	15 Omineca	1	692518M
382627	PAT 209	140102	100	093K03E	Good Standing 20021117	15 Omineca	1	692519M

Appendix 4
Drill Logs

Section		ENDAKO MINES				Hole No.	S-01-01		
						Sheet No.	1	of	8
Location	SE Dump Area	Azimuth	007°	Latitude	26360 N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	December 15, 2001	Length	587 feet	Departure	33685 E	Scale of Log		Date	16-Dec-01
Date Completed	December 16, 2001	Dip	-55°	Elevation	3140 feet	Remarks	Anomalous Mo in creek.		

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
																									Core	Sludge	Core	Sludge
																									Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
						Overburden - cased to 30 feet.			30							10 20 30 40 50 60 70 80 90												
30	25	35	10	c-gr to wk por	6	Endako Quartz Monzonite: pink to orange KF, grey qtz-pleg, equigr to weakly por with partially chloritized biotite.	QM	wk kaol	40		70	3mm	2% pyrite in stringer veinlets, along fractures and fine-grained diss.	KF-bi	Moderately fractured near surface. Moderately calc.	10 20 30 40 1 50 60 70 1 80 90			16%	37		89%		9601		0.004	
30	25	35	10	c-gr to wk por	6		QM		50				Weak to moderate magnetic throughout.		Decreasing fracturing. Continuing mod calcite veinlets, stringers.	10 20 30 40 11 50 60 1111 70 80 90			38%	47		100%		9602		0.003	
30	25	35	10	c-gr to wk por	6		QM		60		40	1mm			Strongly pyritic fractures @ 57 ft.	10 1 20 1 30 40 111 50 60 11 70 80 90			55%	57		100%		9603		0.004	
30	25	35	10	c-gr to wk por	6		QM		70						Increasing sericitic stringers.	10 20 11 30 40 11 50 111 60 1 70 80 90			57%	67		100%		9604		0.004	
30	25	35	10	c-gr to wk por	6		QM		80		40	3mm			Series of parallel narrow bluish qtz-py veinlets @ 40 to c.a.	10 20 11 30 40 11 50 11 60 111 70 1 80 90			77%	77		100%		9605		0.006	
30	25	35	10	c-gr to wk por	6		QM		90		20	5-7mm			80 - strong ser gouge.	10 20 11 30 40 1111 50 11111 60 70 11 80 90			63%	87		100%		9606		0.002	

Section — ENDAKO MINES

Hole No. S-01-01

Sheet No. 2 of 8

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities						Recovery		Assay Results			
																Fractures								Sample Number		%MoS2	
																								Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
30	25	35	10	c-gr to wk por	6	Pink to orange KF, grey qtz-plag, equigr to weakly por with partially chloritized biotite.	QM	wk kaol	100				2% pyrite in stringer veinlets, along fractures and fine-grained diss. 98.5 Cp grain, 2mm.		Sericite-kaol on many fractures.	40	111		59%	97		100%		9607		0.002	
30	25	35	10	c-gr to wk por	6		QM	wk kaol	110		30-40	6mm	Very f-gr, pale to cream, poss alunite vnlt.		101: Kaol-ser gouge over 6". 106: Kaol-ser, weaker	30	111		62%	107		100%		9608		0.003	
30	25	35	10	c-gr to wk por	6		QM	wk kaol	120		10-20	5mm	Note locally strong py.		117: Very f-gr, pale to cream, poss alunite vnlt.	40 50	111 11		60%	117		100%		9609		0.002	
30	25	35	10	c-gr to wk por	6		QM	wk kaol	130				Py, min cp assoc with bi-rich xenoliths		Sericitic gouge and hematite on low angle fractures.	20 50 60 70	1111 1 1		66%	127		100%		9610		0.002	
30	25	35	10	c-gr to wk por	6		QM	wk kaol	140				Less fractured, pyrite more disseminated, weak mag, calcite.		139: C-gr py vnlt, well-fractured.				79%	137		100%		9611		0.002	
30	25	35	10	c-gr to wk por	6		QM	wk kaol	150				Continuing 2-5% pyrite, mainly diss.						67%	147		100%		9612		0.003	
30	25	35	10	c-gr to wk por	5-3		QM	wk kaol	160				155: Begin broad zone of increased ser-kaol with py and occ dark qtz stringers.		Calcite stringers assoc with gougy ser-kaol fractures.				50%	157		100%		9613		0.004	
30	25	35	10	c-gr to wk por	3		QM	wk kaol	170				Diss py, fine stringers.		168-169: Gougy stwk of ser-kaol.				47%	167		100%		9614		0.002	

ENDAKO MINES

Hole No. S-01-01

Sheet No. 3 of 8

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
30	25	35	10	c-gr to wk por	3	Pink to orange KF, grey qtz-plag, equigr to weakly por with partially chloritized biotite.
30	25	35	10	c-gr to wk por	3-6	
30	25	35	10	c-gr to wk por	6	
30	25	35	10	c-gr to wk por	6	
30	25	35	10	c-gr to wk por	6	
30	25	35	10	c-gr to wk por	6	
30	25	35	10	c-gr to wk por	6	
30	25	35	10	c-gr to wk por	8	

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	180	
QM	wk kaol	190	
QM	wk kaol	200	
QM	wk kaol	210	
QM	wk kaol	220	
QM	wk kaol	230	
QM	wk kaol	240	
QM	wk kaol	250	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
25	20cm	Continuing somewhat more argillic with several gougy fractures		175.5: F-gr gougy basalt dyke, sheared lower contact.
				Becoming less fractured, less sar gouge.
		194: 1-2mm pyrite stringer @ 50 to c.a.		As above.
202: 40 207.5: 40	1-5mm	200: Fractures becoming more hematitc, c-gr py.	207.5: KF-bi	Cluster of 5 narrow grey qtz vnlts. 207.5 Grey qtz vnlt with py, str selv.
212: 40 218: 50	2cm 4mm	Weakening ser-kaol, calcite on fractures, incr py as core becomes more competent.	218: KF-bi	212: gougy pyritic fault. 215: contact with fresher QM. 218: py-cp?
				Very solid, unfractured core, less py.
234.5: 60 237.5: 50	5mm 1-8mm	qtz-py vnlt, displaced 1cm by gougy slip @ 40 to c.a.	KF-bi	Series of 1-5mm dark grey qtz vnlts.
		Continues strongly pyritic on fractures.		Solid, fresh-looking.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
10					
20					
30					
40					
50			36%	177	
60					
70					
80					
90					
10	1				
20	1				
30					
40	1				
50	111		43%	187	
60					
70	1				
80					
90					
10					
20	11				
30	1				
40	1				
50			60%	197	
60	1				
70	1				
80					
90					
10					
20	1				
30	1				
40					
50	11		39%	207	
60					
70					
80					
90					
10	1				
20					
30					
40					
50	11		83%	217	
60					
70					
80					
90					
10					
20					
30					
40					
50			89%	227	
60					
70					
80					
90					
10					
20					
30					
40					
50			67%	237	
60					
70					
80					
90					
10					
20					
30					
40					
50			77%	247	
60					
70					
80					
90					

Recovery

% Core	% Sludge
98%	
100%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number Core	Sample Number Sludge	%MoS2 Core	%MoS2 Sludge
Estimate Grade %MoS2	Estimate Grade %MoS2	Combined	
9615		0.003	
9616		0.002	
9617		0.003	
9618		0.004	
9619		0.010	
9620		0.003	
9621		0.003	
9622		0.005	

ENDAKO MINES

Hole No. S-01-01

Sheet No. 4 of 8

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
25	30	35	10	c-gr to wk por	6	Pink to orange KF, grey qtz-plag, equigr to weakly por with partially chloritized biotite.
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	260	
QM	wk kaol	270	
QM	wk kaol	280	
QM	wk kaol	290	
QM	wk kaol	300	
QM	wk kaol	310	
QM	wk kaol	320	
QM	wk kaol	330	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
		Strong pyrite on fractures.		Solid, cut by a few calcite-sericite vnlts @ 20 to c.a.
		Pyrite on fractures, in fine vnlts.		Solid, fresh-looking core.
273: 10	1mm	Bright red hematite on rough fracture.		Solid, fresh-looking core. Pyrite on most fractures, @ 40 to c.a.
		Minor epidote with common pyrite (5%).		Very solid, unfractured.
		Pyrite (5%), fine vnlts.		Very solid, unfractured.
303.5: 30	5mm	303.5: Calcite, sericite, clay, late, no selvage.		308.5 - 310 Moderately fractured.
		5-7% pyrite on fractures, diss, and in vnlts, often assoc with epi, min hem, poss f-gr MoS2.		310-313.5 Slightly more kaolinitized, pyritic. 313.5 Fresher.
326: 30		Sharp contact into kaol, calcite, dark clay.		313.5-326 Fresh. 326- Sharp contact into mod kaol zone.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			81%	257	
			94%	267	
			98%	277	
			97%	287	
			97%	297	
			98%	307	
			79%	317	
			88%	327	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined	
9623		0.002	
9624		0.002	
9625		0.002	
9626		0.004	
9627		0.003	
9628		0.005	
9629		0.005	
9630		0.002	

ENDAKO MINES

Hole No. S-01-01

Sheet No. 5 of 8

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
25	30	35	10	c-gr to wk por	6	Pink to orange KF, grey qtz-plag, equigr to weakly por with partially chloritized biotite.
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	340	
QM	wk kaol	350	
QM	wk kaol	360	
QM	wk kaol	370	
QM	wk kaol	380	
QM	wk kaol	390	
QM	wk kaol	400	
QM	wk kaol	410	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
331.5: 60	5mm	Dark grey qtz with pyrite, poss f-gr MoS2.	KF-bi	333-334, 348.5-350: Series of gougy ser @ 20 to c.a.
346.5: 45	1-3mm	Series of c-gr pyrite stringers.		349: py, min cp on fracture @ 30 to c.a.
				350: Incr to mod kaol.
		370: dark patch of plag + bi with 10% py, 3cm dia.		365: End mod kaol zone.
372:40 375:70 379: 70 380: 50	2-3mm 2.5cm 1mm 3-5mm	372: py-epi vnlt. 375: dark band with 10% py stringers. 379: Py on fracture. 380 Qtz vn with py.	372: KF-bi	
380: 30 384: 50	1mm 7mm	380: Py on fracture. 384: Min f-gr MoS2 in med grey qv, sig py. 390: 10cm gougy rubble-> min fault.	—— 384: KF-bi	Continues very competent.
394.5: 55 —— —— 399: 40-60	1mm —— —— 1-3mm	394.5 Strong py on fracture, min qv, poss MoS2. 399: Qtz stringers, wk stwk, with py, MoS2?	KF	Several fine pyritic stringers assoc with grey qtz and possible MoS2.
		Significant pyrite stringers, fine-grained and assoc with grey vein qtz & poss MoS2.		Very competent. 409-410 Dark patch, likely more mafic inclusion.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			42%	337	
			73%	347	
		357: 50	68%	357	
	1		86%	367	
	1 111 11 1		84%	377	
			81%	387	
			52%	397	
			89%	407	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined	
9631		0.003	
9632		0.002	
9633		0.002	
9634		0.002	
9635		0.002	
9636		0.006	
9637		0.003	
9638		0.002	

ENDAKO MINES

Hole No. S-01-01

Sheet No. 6 of 8

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
25	30	35	10	c-gr to wk por	6	Pink to orange KF, grey qtz-plag, aquigr to weakly por with partially chloritized biotite.
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	
				f-gr to wk por	3-4	**462-481 Basalt Dyke:** dark grey, fine-grained to weakly por, mod fractured.
25	30	35	10	c-gr to wk por	6	461-519 Endako QM, as before.
25	30	35	10	c-gr to wk por	6	
25	30	35	10	c-gr to wk por	6	

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	420	
QM	wk kaol	430	
QM	wk kaol	440	
QM	wk kaol	450	
Bs	wk kaol	460	
QM	wk kaol	470	
QM	wk kaol	480	
QM	wk kaol	490	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
		Increase in ser selvages along low angle structures assoc with qv & py.		Sig low-angle qv's with ser cutting qtz-py vnlts (40-60 to c.a.)
420: 20 426: 40	15mm 1mm	420: minor fault; clay gouge. 426: Py, qtz, hem vnlt.	none	Continues moderately pyritic; more fractured, sericitic.
436: 50	1-2mm	436: Grey qtz stringers with py, poss MoS2, calcite stringers also common.		Less fractured.
443: 10 449.5: 50	2mm 3-4mm	Calcite-ser vnlt. 449.5 Grey qv, cut by fine stringers of calcite, py & poss moly assoc with qv.	wk KF	Increased fracturing.
		452: Sharp sheared contact @ very low angle, marked by str calcite veining.		Numerous calcite vnlts @ 10, 20, 35 to c.a. Chilled margins.
461: 20 462: 25 468: 30	1mm 5mm	462: Py, dk grey qv. 466: Calcite vnlt, min gouge.		Mod fractured, becoming more competent.
473.5: 50	2mm	473.5: grey qtz, py, grey gouge, minor slip.		
480: 40 487:10-30	1mm 30cm ——	480: Str ser-hem slip. 487: Pink, fine-grained aplite dyke, no chill.		Aplite cut by qtz-py @ 30 to c.a.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
		415: 20	90%	417	
			51%	427	
			64%	437	
			65%	447	
			44%	457	
			38%	467	
			86%	477	
			76%	487	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	440-452
100%	452-461
100%	461-470
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
		Estimate Grade: %MoS2	Estimate Grade: %MoS2
9639		0.002	
9640		0.002	
9641		0.002	
9642		0.002	
9643		0.006	
9644		0.002	
9645		0.002	
9646		0.002	

Combined

Section — ENDAKO MINES

Hole No. S-01-01 | Sheet No. 7 of 8

Rock Types & Alteration / Graphic Log / Mineralization and Structures / Rock Qualities / Recovery / Assay Results

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Graphic Log: Rock Type	Graphic Log: Alteration	Graphic Log: Footage	Graphic Log: Structure	Mineralization and Structures: Angle to Core Axis	Mineralization and Structures: Width of Vein	Mineralization / Faulting (Type)	Mineralization and Structures: Envelopes (Type)	Remarks	Rock Qualities: Fractures Core angle	Rock Qualities: Fractures Frequency	Rock Qualities: Slickensides Core angle	Rock Qualities: RQD	Rock Qualities: Footage Blocks	Rock Qualities: Specific Gravity	Recovery: % Core	Recovery: % Sludge	Assay Results: Sample Number Core	Assay Results: Sample Number Sludge	Assay Results: %MoS2 Core	Assay Results: %MoS2 Sludge
																								Estimate Grade %MoS2	Estimate Grade %MoS2	Combined	
25	30	35	10	c-gr to wk por	6	Pink to orange KF, grey qtz-plag, equigr to weakly por with partially chloritized biotite.	QM	wk kaol	500							10 20 30 40 50 60 70 80 90			44%	497		100%		9647		0.001	
25	30	35	10	c-gr to wk por	6		QM	wk kaol	510		505.5: 20 506.5 10		Aplite Dyke: approx 15cm thick, sharp unsheared contacts.		Pyrite stringers cut both QM & aplite.	10 20 30 40 50 60 70 80 90			90%	507		100%		9648		0.001	
25	30	35	10	c-gr to wk por	6	519-532: Basalt Dyke	QM Bs	wk kaol —	520				Continuing 3-5% pyrite, mainly with grey qtz stringers and on fractures @ 45-60 to c.a.		Upper dyke contact on sharp hem fracture @ 30 to c.a.	10 20 30 40 50 60 70 80 90			81%	517		100%	510-519	9649		0.001	
				f-gr to wk por	3-4		Bs		530				Dark, fine-grained chill margin over 5-10cm. Dyke is not mineralized.		Dyke is dark greyish green, f-gr por. Round qtz, plag phenos, smaller chl aug phenos (1mm). Andesite to basalt composition.	10 20 30 40 50 60 70 80 90			90%	527		100%	519-530	9650		0.002	
				f-gr to wk por	6 3-4	532-533: Endako QM 533-541: Basalt Dyke	Bs		540				532: Chilled contact @ 10-30 to c.a. 533: Chilled contact @ 10-30, opposite to upper contact.			10 20 30 40 50 60 70 80 90			86%	537		100%	530-541	9651		0.001	
25	30	35	10	c-gr to wk por	6	541-548: Endako QM 548-566.5 Basalt Dyke	QM Bs		550				541: Sharp chilled contact, hem fracture @ 50 to c.a. Continues mod pyritic.		Numerous clacite-sericite vnlts. 548: Hem-ser fracture @ 40 to c.a.	10 20 30 40 50 60 70 80 90			86%	547		100%	541-548	9652		0.003	
				f-gr to wk por	3-4		Bs		560		553: 15	15mm	White qtz-calcite vein, min hem. Dyke is not mineralized.		Blebby calcite-altered plag phenos.	10 20 30 40 50 60 70 80 90			83%	557		100%	548-566.5 —— 566.5-569	9653 9654		0.003 0.003	
25	30	35	10	c-gr to wk por	6	566.5-569: Endako QM 569-574: Basalt Dyke	Bs — QM Bs		570				566.5: Chill margin, 10 cm, to contact on fracture with calcite vnlts @ 20-30 to c.a. 569: Contact @ 25.		QM same as above, continuing pyritic, relatively unaltered.	10 20 30 40 50 60 70 80 90			95%	567		100%	569-574 —— 574-576.5	9655 9656		0.003 0.002	

Section		ENDAKO MINES	Hole No.	S-01-01		
			Sheet No.	8	of	8

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Sample Number: Core / Estimate Grade %MoS2	Sample Number: Sludge / Estimate Grade %MoS2	%MoS2: Core / Combined	%MoS2: Sludge
25	30	35	10	c-gr to wk por	6 3-4	574-576.5: Endako QM 576.5-584: Basalt Dyke	QM — Bs	wk kaol	580				574: Sharp contact, reddish clay shear @ 40 to c.a. 576.5: upper contact @ 20, well-sheared.		577: polished reddish clay slip @ 15 to c.a.	10 20 30 40 50 60 70 80 90			79%	577		100%	576.5-584	9657		0.003	
25	30	35	10	c-gr to wk por	6	584- Endako QM ↓	Bs — QM	wk kaol	587				584: Sheared lower dyke contact @ 35-40 to c.a. QM is well-fractured over last foot, core jammed.		Rel stronger kaolinite in lower section of QM, continues pyritic.	10 20 30 40 50 60 70 80 90			59%	587		100%	584-587	9658		0.004	
						587': END OF HOLE										10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											

Section		ENDAKO MINES			Hole No.	S-01-02		
					Sheet No.	1	of	5
Location	Water Tank Area	Azimuth	007°	Latitude	31495 N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	December 16, 2001	Length	407 feet	Departure	33353 E	Scale of Log		Date	19-Dec-01
Date Completed	December 17, 2001	Dip	-50°	Elevation	3240 feet	Remarks	Collared near R-334.		

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
																										Core	Sludge	Core	Sludge
																										Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
						Overburden			40							10 20 30 40 50 60 70 80 90			-	42		0%						
10	50	35	5	por	6	Cased to 42 feet. **Plag Porphyry**: pinkish-brown with white 2-3 mm plag phenos.	PP	wk kaol	50				Very well-fractured, limonite (goethite) on many fractures, usually with pyrite.		White to cream saussertized plag (10-20%), round grey qtz eyes (5%).	10 20 30 40 50 60 70 80 90			14%	47		100%		9659		0.004		
10	50	35	5	por	6	Increasing white kaol and calcite on fractures. 57.5: Coarse py cubes on fracture.			60		53: 24		52: Good pyrite on fracture with lim. 53: Strong MoS2 with pyrite and lim on fracture.		Weakly chl'd bl (5%) in pinkish matrix. Also faded plag phenos.	10 20 30 40 50 60 70 80 90			24%	57		100%		9660		0.003		
10	50	35	5	por	6				70		63: 45 66: 25	4mm 1-2mm	63: Med grey qtz vn with several grains of MoS2 along selvage. 66: Py along grey qtz vn, no MoS2 identified.	KF	Pyrite assoc with KF selvages.	10 20 30 40 50 60 70 80 90			36%	67		100%		9661		0.002		
10	50	35	5	por	6	Qtz eyes more glassy and visible, mafics more chloritized.			80		73: 45-60 80: 45	1-2mm 1-2mm	73: Grey qtz vn with distinctive grey selvages, likely moly, and assoc pyrite.	KF	Weak KF selvages.	10 20 30 40 50 60 70 80 90			8%	77		100%		9662		0.005		
10	50	35	5	por	6	Strongly saussertitized plag phenos give spotted white pattern.			90		81: 45 89: 30	2mm 1mm	81: Glassy qtz vn with only min py, str KF selvages. 89: Qtz vn, min f-gr py, MoS2?	KF		10 20 30 40 50 60 70 80 90			0%	87		89%		9663		0.002		
10	50	35	5	por	6	Several thin 1-2mm grey glassy qtz vnlts, not strongly assoc with sulphides.			100		92: 35, 70 100: 20, 25	1-2mm 1-2mm	92: Shallow qtz-hem-py-MoS2 vnlt clearly offsets other qtz-py vnlt by 2mm.	wk KF	100: Qtz hem (py-MoS2) vnlt cuts grey glassy qtz vnlt (25).	10 20 30 40 50 60 70 80 90			4%	97		100%		9664		0.002		

ENDAKO MINES

Hole No. S-01-02

Sheet No. 2 of 5

Section							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
Rock Types & Alteration																Fractures									Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
10	50	35	5	por	6	Plag Porphyry: pinkish-brown with white 2-3 mm plag phenos.	PP		110		107: 32 108: 15	2mm 1mm	107: Qtz vn, pyrite 108: White cal, kaol on fracture.	KF	Not magnetic.				17%	107		100%		9665		0.001	
						115-117: Zone of weak potassic altn or a granite dyke.			120		110: 30 115: 25	1-2mm 2mm	110: Ser-cal-kaol-hem, fracture set. 115: Qtz-MoS2 veinlet.	KF	Zone @ 45 to ca MoS2 occurs as blebs spaced every cm along vein.				38%	117		100%		9666		0.004	
									130		128: 35 129.5: 35	2-3mm 1-2mm	Grey to glassy qtz vn. 129.5 Thin grey qtz vn, 1mm bleb of MoS2.	KF KF					29%	127		100%		9667		0.010	
									140				Minor diss pyrite. Fewer qtz vnlts. 139: Bleb of MoS2 with pyrite (2mm).						3%	137		100%		9668		0.002	
									150		142: 30 144: 25 147: 35	2mm 1mm 3mm	142: Ribboned grey qtz vnlt with pyrite. 144: Fine pyrite stringer. 147: Qtz vnlet, min py, ser.	KF					30%	147		100%		9669		0.002	
									160		152: 50 154: 30 160: 45	1mm 2mm 1mm	153: Grey qtz vn, min pyrite. 155: Grey qtz vn, py. 160: Grey qtz vn.	KF	151: qtz stringer, min pyrite @ 25.				19%	157		100%		9670		0.003	
						Increased kaol along all fractures.			170		168: 35	2mm	168: grey qtz vn, blebby pyrite.	KF					16%	167		100%		9671		0.002	
						Less fractured, less kaol + calcite.			180		172: 45 & 30 178: 30	2mm 1mm 4mm	172: Glassy grey qv, cut by fine qtz stringer with 0.5mm grain of MoS2. 178: Qv with pyrite.	KF	178: blebs of white, clay-altd plag in qv.				35%	177		100%		9672		0.003	

Wildrock Resources Consulting & Drafting

ENDAKO MINES

Hole No. S-01-02

Sheet No. 3 of 5

Rock Types & Alteration

Section							
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	
10	50	35	5	por	6	**Plag Porphyry**: pinkish-brown with white 2-3 mm plag phenos.	
				fgr	3	194: increased clay-altn and faulting as dike contact is approached. **199: Basalt Dyke/Fault Zone**	
						Dark greyish-green, fine-grained to weakly porphyritic. Round calcite blebs, numerous veins; becoming gougy.	
						211-214: Mainly gougy, swelled. 217-218: Gougy, swell.	
				por	5	221: 15cm of hem-cal shear with slickensides. **223: Plag Por**, pale pinkish, as before.	
				fgr	3	PP becoming more competent, brownish **236: Basalt Dyke**; more competent.	
						Mainly dark green with medium green epidote-rich selvages, up to 1cm, along calcite vnlts.	
						Dyke becomes softer toward contact; sheared, hem slicks. **257: Plag Por**; quite fresh.	

Graphic Log

Rock Type	Alteration	Footage	Structure
PP	wk kaol	190	
Bs		200	
Bs		210	
Bs		220	
Bs PP		230	
Bs		240	
Bs		250	
PP		260	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
184:30 188: 25 to 35	5-8mm —— 1mm	184: Pale greenish, clay-sericite gouge, sharp contacts. 188: Series of fine qtz-py stringers.	KF	No MoS2 identified.
199: 35		194-197: Ksol on fractures, little cal. 197-198.5 Fault; mainly gouge. 199: 2-3cm gouge.		Dyke is chilled, purplish over top 7cm.
203: 30 205:10	5mm 10mm	Gougy calcite vnlt. Gougy calcite vnlt.		207: becoming strongly gougy
		Significant fault zone. Strong calcite throughout.		217-218: Calcite-clay slips @ 20, 35, 40 to c.a.
225: 30 226: 30	5mm 2mm	221: Strong shear plane @ 20 to c.a. 225: Gougy slip. 228: Bslt on fracture feeding 10mm dyke.		Contact @ 50 to c.a., marked by weak shear and calcite vnlt. 228: Qtz stringer.
234.5: 70	3mm	234.5: Qtz vnlt, no py.		Contact is sheared and gougy, broken, likely @ 35 to c.a.
		Slicks @ 35 to c.a., contact undulates from 20-70 to c.a.		Plag por is as before with kaol-altd plag phenos, chl-bi, diffuse KF.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			19%	187	
			35%	197	
			65%	207	
			20%	217	
			31%	227	
			28%	237	
			97%	247	
			79%	257	

Recovery

% Core	% Sludge
100%	
100%	190-199
98%	199-210
100%	210-223
98%	223-230
100%	230-236
100%	236-247
100%	247-257

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
		Estimate Grade: Combined	
9673		0.002	
9674		0.002	
9675		0.002	
9676		0.002	
9677		0.004	
9678		0.003	
9679		0.002	
9680		0.002	

Section | **ENDAKO MINES** | **Hole No.** S-01-02 | **Sheet No.** 4 of 5

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge			Core	Sludge	Core	Sludge
																										Estimate Grade		Combined	
																										%MoS2	%MoS2		
10	50	35	5	por	6	**Plag Porphyry**: pinkish-brown with white 2-3 mm plag phenos.	PP	wk kaol	270				267: Numerous qtz stringers with thin ser selvages; 70 to ca, pyrite on fracture.		268-271: Numerous ser stringers, min qtz. 259-265: Well-fractured.				28%	257		100%			9681		0.009	
						Porphyry becoming slightly more crowded. 275-288: Very well fractured but not gougy.	PP		280		271: 70	3mm	Qtz vn with f-gr py. 278: Minor fault @ 10 to c.a., marked by white clay-sericite along fractures.		Very low sulphide content (<<1%).				56%	277		100%			9682		0.007	
							PP		290				288-289: Strong sericitic altn. Upper @ 50, lower @ 30 to c.a.		Very well-fractured. Continuing weak pyrite.				4%	287		80%			9683		0.005	
						302-307: Well-fractured, locally rubbly.	PP		300		292: 70 296: 40 300: 45	3mm 1mm 3mm	Grey qtz vn. Qtz-py stringer. White qtz vn.	KF-py					19%	297		100%			9684		0.002	
						309-316: Pink medium-grained phase of PP. 309: 4mm flat bleb of MoS2 on a clay-ser fracture.	PP		310		308: 75	3mm	308: Glassy grey qv. 309: Sharp increase in fine-grained diss and vnlt pyrite.	KF					25%	307		90%			9685		0.009	
						316: Back to coarse-grained, altd plag por.	PP		320		317: 50 319: 50	3mm 2mm	Grey qtz vn. Grey qtz vn.	KF					14%	317		100%			9686		0.003	
						328: Basalt Dyke	Bs		330		325: 25 326: 25 --- 326: 65	1mm 1mm --- 1-2mm	Pyritic fracture. Sericitic stringers with grey selvages. Grey qtz vn.	KF	Contact is sharp, fractured, approx 30-35 to c.a.				30%	321 327		100%	317-328		9687		0.002	
						Chloritic slips and sericite-clay altn, very soft. **332: Plag Por**; quite fresh.	PP		340		334: 25 336: 35 & 50	1-2mm	329-330.5: Chl-ser-clay altered, mushy. 334: Qtz-chl vnlt. 336: Qtz vnlts, py assoc with one @ 35.		Lower contact is sheared, fractured @ 35 to c.a.				40%	337		100%	328-332 332-340		9688 9689		0.003 0.002	

Wildrock Resources Consulting & Drafting

Section | **ENDAKO MINES** | **Hole No.** S-01-02 | **Sheet No.** 5 of 5

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
																										Core	Sludge	Core	Sludge
																										Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2	%MoS2	
10	50	35	5	por	6	**Plag Porphyry:** pinkish-brown with white 2-3 mm plag phenos.					340: 75	3mm	Grey qtz vn.											340-350	9690		0.005	
								wk			344: 55	3mm	Grey qtz vn.															
							PP	kaol	350		346: 25	2mm	Grey qtz vn.	KF					46%	347		100%						
													350: Rubble, possible minor fault.		357: 5mm gouge @ 25 to c.a. Highly fractured at contact.									350-361	9691		0.002	
											353.5: 35	1mm	Dark chl fract with py.						25%	357		100%						
							PP		360		354: 35	1mm	Qtz-py stringer.	KF														
				fgr	4	**361: Basalt Dyke** Dark green, fine-grained, calcite in groundmass and in vnlts.					364: 45	12 mm	Calcite vn.											361 375	9692		0.004	
											367: 30	2mm	Hem-cal on fracture.						29%	367		100%						
							Bs	chl	370		369: 30	5-9mm	Green ser gouge.															
						Solid, competent throughout.																		375-388.5	9693		0.003	
																			70%	377		100%						
							Bs	chl	380																			
												12mm	Cal-hem vein, sheared.											388.5-396	9694		0.004	
											387: 40	——	——————						78%	387		100%						
							Bs	chl			388.5: 25	20mm	Contact, sheared.															
						388.5: Plag Por	PP	kaol	390		389: 20	2mm	Qtz-hem-py-MoS2?		Undulatory contact.													
				por	4	Whiter, more equigr with mafics totally chloritized, feldpars strongly sausseritized.									Mottled white-pink-grey - very distinctive.									396-404	9695		0.004	
											393: 30	1mm	Qtz-cal-hem-py vn.						44%	397		100%						
							PP		400																			
						404: Basalt Dyke	PP	chl			402: 25	20mm	Pale green gouge - fault.		Hem and chl common on fractures.									404-407	9696		0.004	
							Bs				404: 20	5mm	Green ser-clay gouge.															
									407										51%	407		100%						
				fgr	4	Medium green, poss andesitic; very competent. **407': END OF HOLE**									Calcite "phenos" and minor vnlts.													

Wildrock Resources Consulting & Drafting

Section		ENDAKO MINES				Hole No.	S-01-03		
						Sheet No.	1	of	7
Location	West Road	Azimuth	007°	Latitude	32557 N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	December 17, 2001	Length	507 feet	Departure	31889 E	Scale of Log		Date	20-Dec-01
Date Completed	December 18, 2001	Dip	-50°	Elevation	3320 feet	Remarks	Water Tank Area		

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
																									Core	Sludge	Core	Sludge
																									Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
						Overburden - cased to 36 feet.			30																			
20	40	35	5	cgr	4	36-38: Strongly altered and oxidized, c-gr granite to quartz monz, looks brecciated by oxidized stwk.	QM	mod kaol	40				Honey to yellow brown goethite on virtually all fractures.		Abundant carbonate in stockwork stringers.				80%	36 37		100%	36-42	9697		0.016		
35	40	25		c-gr	7	38-39.5: Fine to medium grained, siliceous, poss aplite. 39.5-53: Mainly c-gr, locally bx'd QM.			50				40: 1.5 feet of gravelly rubble - fit. 47-49: Patchy white suasseritized felds.						46%	47		95%	42-50	9698		0.008		
50	25	25	1	fgr	7	53-68: Aplite; very siliceous, poss qtz-flooded, locally bx'd by pale stringer stockwork, later calcite stringers.	Ap		60		59: 15	2mm	51-52: Siliceous unit, likely bx'd qtz vn. 54: Oxidation less. 59: grey qtz vn.	KF	Qtz vns cut by sericite stringers cut by calcite.				34%	57		100%		9699		0.005		
35	40	25		c-gr	4	Locally make out diffuse feldspar and greenish mafics. 68: Quartz Monzonite mottled pink, green.	QM		70				63: Mod calcite stwk breccia. 68: Sharp, breccia contact with clast of siliceous unit in QM.		Alteration consists of moderate kaol of feldspars, ser, calcite, chl				55%	67		100%		9700		0.009		
						Moderately fractured, limonitic. 72.5-73.5: purplish siliceous clasts.	QM		80		73.5: 25	3mm	69.5: 1mm gr...n of moly, with py, not assoc with qv but KF. 73.5: grey qv, pyrite.	KF	1 cm KF selvage.				15%	77		100%		9701		0.007		
						80-81: Well fractured, limonitic, several qv's. Clasts of purplish qtz vein material?	QM		90		81: 30 82: 35 89	2mm 4mm ------	81: Qtz-MoS2 vnlt. 82: Qtz-MoS2 vnlt. Flecks of MoS2.		85-86: large fractured purple siliceous clast. 89: MoS2 along ser stringer cuts qv.				40%	87		100%		9702		0.030		

Section		ENDAKO MINES	Hole No.	S-01-03
			Sheet No.	2 of 7

Rock Types & Alteration								Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																	Fractures										Sample Number		%MoS2	
																											Core	Sludge	Core	Sludge
																											Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2	
20	40	35	5	cgr	4	Mottled, mod oxidized green & pink QM, cut by several 1-15mm thick grey qtz veins at many orientations.	QM	wk kaol	100		91.5: 70 94: 60 97: 35 99: 10	6mm 5mm 12mm 15mm	Grey qtz vn. Grey qtz vn. Vuggy white calcite. Grey qtz vn.	ser	99: Qtz vn cuts 5cm grey andesite? dyke and displaces it 5cm downhole.				46%	97		100%		9703		0.003	
						Continuing mottled with qtz vns with hem-lim-ser.	QM	wk kaol	110		101: 10 107: 25	15mm 22mm	Grey qtz vn. Vuggy calcite vein.						72%	107		100%		9704		0.005	
									120		114: 40 114: 10 116: 40	10mm 15mm 2mm	White, vuggy calcite. Purple qtz vn, well-fr Qtz-py-(MoS2) vnlt.	KF	5mm KF selvage.				77%	117		100%		9705		0.007	
						121.5-125.5: Series of locally vuggy calcite veining @ 40, 75 to c.a., late stage.	QM		130				123-126: Clasts of purplish siliceous vein.						66%	127		100%		9706		0.007	
						Coarse white sauss plag grains, <5mm pale pink KF and grey qtz, pale greenish cast, mod ser.	QM		140		135: 45	12mm	Qtz-hem-cal vein.	ser					90%	137		100%		9707		0.005	
						141-143: Dark puplish fine-grained granaitic dyke @ 45 to c.a (upper), gradational bx'd lower contact.			150				Continuing occasional grey qtz vn, cut by calcite vein stwk, intense through purple inclusions.		Only minor pyrite <<1%.				85%	147		100%		9708		0.006	
						Back to white mottled QM, as 130-140. Pale yellowish goethite @ 149, 151-152, 155-159.	QM		160				Limonitic zones, goethite along calcite stringer stwk, mod calc.						92%	157		100%		9709		0.014	
						160: 8" clast of purple dyke/vn. 160-162, 165: oxidized. 168-170: Several 4-8mm grey qtz vns.	QM	wk kaol	170		30, 40, 45	4-8mm								80%	167		100%		9710		0.006	

Section							ENDAKO MINES																Hole No.	S-01-03		
																							Sheet No.	3	of	7
Rock Types & Alteration								Graphic Log				Mineralization and Structures					Rock Qualities						Recovery		Assay Results			
																	Fractures								Sample Number		%MoS2	
																									Core	Sludge	Core	Sludge
																									Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness		Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
20	40	35	5	cgr		4	Mottled, wkly oxidized pale green & pink QM.	QM	wk kaol	180		172: 70 174:40	8cm 6cm	171.5-173: Series of calcite veins, locally vuggy. 174: Diffuse grey white qtz vn.	chl-ser	177-179: Mod yellow-orange oxidn.	10 20 30 40 50 60 70 80 90			74%	177		100%		9711		0.036	
						4	Becoming more green due to complete suass of plag, KF looking more ragged; mafics completely chl.	QM	wk kaol	190		181: 36	1-2mm	Pale green sericite.		Calcite continues on fractures and stringer stwk. 185-186: Yellow goe oxide zone.	10 20 30 40 50 60 70 80 90			63%	187		100%		9712		0.011	
						4	192, 195-197: Fractured f-gr purplish dykes, weakly chilled.	QM	wk kaol	200				Dykelets @ 20 & 60 to c.a.			10 20 30 40 50 60 70 80 90			62%	197		100%		9713		0.008	
40	35	25	<10	f-m gr		5	**201: Granite** Fine to medium gr, pink to pale green and cream, mottled by moderate ser altn.	Gr	wk kaol	210		204: 20 208: 70	9mm 1mm	Glassy grey qtz vein, sharp selvages. Fine-black stringers.	KF,ser -----	Contact is fractured and oxidized, @~30 to c.a.	10 20 30 40 50 60 70 80 90			87%	207		100%		9714		0.004	
						5	Calcite stringer stwk continues, 2% of core.	Gr	wk kaol	220-				218: Continue to see occasional purplish f-gr dykelets and fragments.		Mottled texture may be outlining bx clasts, matrix-supported.	10 20 30 40 50 60 70 80 90			86%	217		100%		9715		0.004	
						5	As above, little qtz veining, calcite continues.	Gr	wk kaol	230							10 20 30 40 50 60 70 80 90			87%	227		100%		9716		0.004	
						5	231: 5cm dyke of similar composition, @ 50-60 to c.a., cuts qtz-cal-hem-py vnlt.	Gr	wk kaol	240		231:10 237: 25	2mm 1-2mm	Qtz-cal-hem-py-MoS2. Qtz-cal-hem-py-MoS2.		Many <0.5mm flecks of MoS2 along veinlets.	10 20 30 40 50 60 70 80 90			97%	237		100%		9717		0.010	
						5	As above, but stringers veinlets do not appear to host MoS2.	Gr	wk kaol	250		245:35	3mm	Grey, glassy qv, offset slightly by calcite stringers.	KF	245, 249: Banded qtz-cal-hem vein, 10-15mm thick @ 70 to c.a.; no sulphides.	10 20 30 40 50 60 70 80 90			87%	247		100%		9718		0.004	

Section							ENDAKO MINES																Hole No.	S-01-03		
																							Sheet No.	4	of	7
Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
40	35	25	<10	f-m gr	5	**Granite;** fine to medium gr, pink to pale green and cream, mottled by moderate ser altn.	Gr	wk kaol	260		251: 85 252: 20	1mm <1mm	251: Qtz-cal-hem-MoS2. 252: Qtz-py-MoS2?		251:Significant MoS2 in vnlt. Lower contact ~ 90 to c.a., very sharp.	10 20 30 40 50 60 70 80 90			46%	257		100%		9719		0.017	
20	40	35	5	cgr	4	**267:** QM; as before. Mottled green and cream, all feldspars sausseritized, mafics --> chl, ser.	QM	wk kaol	270						3 med grey, f-gr dykes, 1-3cm thick, @ 45 & 80 to c.a. Occ grey qtz vnlts.	10 20 30 40 50 60 70 80 90			93%	267		100%		9720		0.005	
				cgr	4	Very mottled appearance with 5% calcite stringer stwk.	QM	wk kaol	280		272: 50-70 272: 30	5-12 mm 10mm	White calcite vnlts. Dark reddish black hem, min py.		Calcite vnlts offset hem vein up to 2cm. 278: Reddish 10cm hem patch.	10 20 30 40 50 60 70 80 90			93%	277		100%		9721		0.007	
				cgr	4	280: 3-4mm grey qtz vein@ 0-5 to c.a., displaced 1-10mm along sericitic stringers @ 70 to c.a.	QM	wk kaol	290				287: Distinctive orientation of stringers etc @ 30 to c.a.		Mislatch.	10 20 30 40 50 60 70 80 90			41%	287		90%		9722		0.007	
				cgr	4	292-298: Odd-looking vein breccia, f-gr cream matrix with granitic clasts, foliated f-gr bx, 30cm f-gr dyke, & bx.	QM	wk kaol	300				292-295: Fol bx. 295-296: Felsic dyke. 296-298 Fol bx.		Sharp contacts.	10 20 30 40 50 60 70 80 90			78%	297		100%		9723		0.019	
				cgr	4	307-309: Pink, aplite dyke, upper contact @ 25 to c.a. Lower contact marked by calcite vnlt stwk bx.	QM	wk kaol	310						Fractures every 4-6cm from 298 to dyke.	10 20 30 40 50 60 70 80 90			36%	307		100%		9724		0.004	
				cgr	4	313-316: Calcite vein stwk, locally stwk bx.	QM	wk kaol	320		312: 60	2mm	Qtz-hem-py-MoS2 vnlt.			10 20 30 40 50 60 70 80 90			79%	317		100%		9725		0.011	
				cgr	4	324-325: Calcite vein stwk, sericitic selvages in darker green section. 326-327: Dark green chl on stwk fractures.	QM	wk kaol	330		320: 70 321: 15 323: 20	4mm 2mm 6mm	Qtz-ser vein. Ser vnlt, talc? Grey qtz vein.	Cal-ser	Chloritic altn is @ 20-30 to c.a., diffuse boundaries.	10 20 30 40 50 60 70 80 90			48%	327		100%		9726		0.008	

Section — ENDAKO MINES — Hole No. S-01-03 — Sheet No. 5 of 7

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
20	40	35	5	cgr	4	300: QM; as before. Mottled green and cream, all feldspars sausseritized, mafics -> chl,ser.
						More pink as Kf grains are less altered. Sauss plag & chl mafics form sericitic-looking groundmass.
						Continues pink mottled QM, relatively few qtz vns, significant calcite stringers.
						364-368: Series of medium grey, milky to glassy qtz vns from 0-40 to c.a. and up to 8mm thick.
						370: Purplish dyke, 10mm thick, @ 20 to c.a., cut by nearly imperceptible sericitic stringer.
						Mainly pink and greenish-white mottled, little veining.
						As above. 395: Purplish dyke, up to 10mm thick @ 15 to c.a.; cut off by late calcite-filled fractures.
						401: Fractured purplish f-gr dyke. 408: Flecks of moly in 1mm grey qv silver.

Graphic Log / Mineralization and Structures

Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
QM	wk kaol	340		331: 35 339: 30	2mm 2mm	Qtz-cal-hem-py-MoS2. Qtz-cal-hem-py-MoS2.		Cut by calcite vnlts.
QM		360				345: 0.5mm MoS2 grain, not assoc with vein.		
		360		353: 45 353: 35 360: 30	2mm 2mm 16mm	Qtz-cal-hem-py-MoS2. Calcite vnlt offsets vn. Pale green, f-gr qv		
QM		370				Minor pyrite outside veins.	wk KF	
QM		380						370-378: Back to white mottled with all feldspars sausseritized.
		390		382: 40	3mm	Qtz-cal-hem vnlt.		
		400				Rare pyrite.		Very competent. Calcite-sericite stwk continues.
		410		404: 80	10-15 mm	Pale mottled grey qtz-cal-hem-MoS2? vn.		

Rock Qualities / Recovery / Assay Results

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
			68%	337		100%		9727		0.010	
			49%	347		100%		9728		0.007	
			71%	357		100%		9729		0.005	
			82%	367		100%		9730		0.016	
			96%	377		100%		9731		0.006	
			98%	387		100%		9732		0.012	
			87%	397		100%		9733		0.004	
			70%	407		100%		9734		0.011	

Estimate Grade: %MoS2 / %MoS2 — Combined

ENDAKO MINES

Hole No. S-01-03

Sheet No. 6 of 7

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
20	40	35	5	cgr	4	QM; as before. Mottled green and cream, all feldspars saussertitized, mafics --> chl,ser.
						White and pale cream mottled, mod kaol QM. Some oxidized fractures, few qtz or calcite veins.
						Continues mod kaol. 431: 5cm sandy gouge
						Pink & green mottled. 441: Purplish dyke cut by mineralized fracture.
						454-458: Pink aplite dyke, @ 10-15 to c.a., cut by calcite stwk.
						465-467: two aplite dykes, 28cm & 14cm, @ 75 to c.a.
						470.5-471.5: 35cm thick pink aplite dyke, @ 40 to c.a. 473-474: Several gougy fractures.
						481: 5cm purplish aplite dyke @ 40 c.a. 484: 10cm thick aplite dyke @ 15 to c.a.

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	420	
QM	mod kaol	430	
QM	mod kaol	440	
QM	wk kaol	450	
QM Ap QM	wk kaol	460	
QM Ap QM	wk kaol	470	
QM		480	
QM		490	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
		417-420: Zone of qtz-hem veining and breccia @ 45 to c.a., completely altd QM with qtz eyes.		413-417: Yellow oxidized zone. Occ py & moly assoc with fracture @ 0 to c.a.
		No sulphides noted.		Very competent.
431: 60 437: 70	2mm 10mm	Grey qtz vn. Grey qtz vn.		Gradually becoming less altered ~435.
441: 15	2mm	Qtz-min MoS2.	KF	
		459: 8cm aplite @ 75 to c.a.		
		Minor faulting @ 50 to c.a.		
		467-468: 35cm aplite dyke @ 45 to c.a		

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			91%	417	
			83%	427	
			90%	437	
			97%	447	
			88%	457	
			85%	467	
			76%	477	
			80%	487	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined	
9735		0.007	
9736		0.009	
9737		0.004	
9738		0.006	
9739		0.003	
9740		0.003	
9741		0.002	
9742		0.015	

Section — ENDAKO MINES

Hole No. S-01-03

Sheet No. 7 of 7

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
20	40	35	5	cgr	4	QM; as before. Mottled green and cream, all feldspars sausseritized, mafics --> chl,ser.
						500-502: Thin aplite dykes or dyke fragments.
						507': END OF HOLE

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk kaol	500	
QM	wk kaol	507	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
				493: sharp transition to pink and white mottled QM.
506: 20 507: 45	4-5mm 5mm	Grey qtz vn. Grey qtz vn, hem.		506-507: grey glassy qtz vns.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			86%	497	
			88%	507	

Recovery

% Core	% Sludge
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
9743		0.008	
9744		0.004	

Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined

Section		ENDAKO MINES				Hole No.	S-01-04		
						Sheet No.	1	of	6
Location	Water Tank Area	Bearing	007°	Latitude	32922 N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	December 18, 2001	Length	527 feet	Departure	33384 E	Scale of Log		Date	22-Dec-01
Date Completed	December 19, 2001	Dip	-80°	Elevation	3195 feet	Remarks	North of S-01-02 and major E-W gully		

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities						Recovery		Assay Results			
																Fractures								Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
						Overburden - cased to 140 feet.			140							10 20 30 40 50 60 70 80 90			140			0%					
20	40	35	5	cgr	4	Endako Quartz Monzonite: mottled, mod oxidized green & pink; sheared and weathered	QM	wk kaol	150				144: 5" of grey qtz-ser flooding with clasts of QM, up to 1cm, augen-like.		Top 4" till; then weathered QM.	10 20 30 40 50 60 70 80 90			21%	147		73%		9745		0.009	
						Becomes relatively fresh, weakly fractured. 54: 30 cm purplish f-gr aplitic dyke @ 60 to c.a. sheared lower contact.	QM	wk kaol	160		150.5: 45	2-3mm	Discontinuous grey qv, no sulphides.		Minor (<1%) py on few fractures and as thin stringers.	10 20 30 40 50 60 70 80 90			47%	157		100%		9746		0.005	
						62: Series of gougy slips @ 10 to c.a. 63-71: Strongly weathered, gougy, crumbly fault.	QM	wk kaol	170		161:45	3mm	Grey qv, min KF.	KF		10 20 30 40 50 60 70 80 90			38%	167		100%		9747		0.005	
						171-173: Decreasing gouge, firmer core. 173: 5cm aplite dyke @ 60 to c.a.; 177: 14 cm aplite dyke @ 60.	QM	wk kaol	190				176-180: Sericite-clay shears @ 20 to c.a.			10 20 30 40 50 60 70 80 90			24%	177		100%		9748		0.015	
						181-182: Oranga, KF-flooded zone, sheared on upper contact. 185-188: Well-frac'd, locally rubble.	QM	wk kaol	190							10 20 30 40 50 60 70 80 90			30%	187		100%		9749		0.003	
						190: Minor fault; 5mm gouge @ 45 to c.a. 191: 25 cm of aplitic dyke @ 80 to c.a., cut by calc stwk.	QM	wk kaol	200				194-196: Sheared QM & aplite rubble. 197-198.5: Fault; gougy rubble, ~50 to c.a.		199: Core becoming intact - see RQD's.	10 20 30 40 50 60 70 80 90			20%	197		100%		9750		0.004	

ENDAKO MINES

Hole No. S-01-04

Sheet No. 2 of 6

Section							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
Rock Types & Alteration																Fractures										Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge	Estimate Grade %MoS2	Estimate Grade %MoS2	Combined
20	40	35	5	cgr	6	**Endako Quartz Monzonite:** mottled, mod oxidized green & pink. 206.5: 25cm purple aplite dk @ 60 to c.a..	QM	wk kaol	210		206.5: 60 201: 60	1-2mm —— 3mm	Pyrite vnlt does not continue into aplite. Grey qv, KF to 5mm.	KF	207.5: Py stringer cuts dark qtz-chl, poss MoS2 vnlt; jumbled.				61%	207		100%		9751		0.004			
						Solid orange-pink & green c-gr, near por. 217: 15cm thick purple aplite dyke @ 40 to c.a.	QM	wk kaol	220		211.5: 65	6cm	Banded qtz-chl-hem-cal vein, dark in centre, flanked by qtz.	KF	Min py on frac.				87%	217		100%		9752		0.009			
						224: 3cm aplite dyke @ 35 to c.a. 231: 10cm aplite dyke @ 60 to c.a., cut by qtz vnlts @ 25 to c.a.	QM	wk kaol	230										94%	227		100%		9753		0.003			
						235: 5cm aplite dyke @ 45 to c.a. 239: Irregular aplite dykes, 2-5cm, @ 40-70 to c.a.	QM	wk kaol	240		237: 70	2-3mm	Qtz-py vnlt, blebby py to 3mm.	KF	Distinctive green chl altn related to vein with KF.				84%	237		100%		9754		0.003			
						240: Becoming quite green, ser+ chl in groundmass. 245-246: Aplite rubble with gouge at base.	QM	wk kaol	250						Chl-ser altn appears related to approaching contact.				89%	247		100%		9755		0.004			
35	20	40	5	wk por	5	255-256: Pink KF in groundmass; lower contact is sharp @ 45. **256: Casey Alaskite?**	Gr	wk kaol	260						Fine to med grained, greenish granite.				68%	257		100%		9756		0.007			
						Continues quite green to 265', becoming pale pink & green; med-gr to weakly por. Veining more common to 265'.	Gr	wk kaol	270		265: 45	10mm	Minor qtz and KF veining, fine calcite stwk continues. Min py with KF. Black qtz vein.		265: Sharp contact at vein; becomes pinker.				49%	267		100%		9757		0.072			
						Large, 1-3mm phenos of saause feldspars. Similar glassy qtz phenos.	Gr	wk kaol	280		277: 40	10mm	Reddish qtz-hem with clasts of granite.						65%	277		100%		9758		0.021			

Section — ENDAKO MINES

Hole No. S-01-04

Sheet No. 3 of 6

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
35	20	40	5	wk por	5	**Casey Alaskite:** Mainly med-grained, pink & green with mod kaol of feldspars.
						Altn is mod pale green to waxy sericitic plus kaol. Incomplete breakdown of feldspars.
						315-317 Several thin grey glassy qtz vnits in slightly pinker Granite. 317.5-320: Shear zone @ 20 to c.a.
						322.5: 6cm purplish aplite dyke @ 40 c.a.
						Minor qtz vnits, no selvages or sulphides, some wk KF in pinkish Granite.
						342: Fracturing increasing, mainly @ 45 & 60 to c.a.
						Continuing pinkish.

Graphic Log

Rock Type	Alteration	Footage	Structure
Gr	mod kaol	290	
Gr	mod kaol	300	
Gr	mod kaol	310	
Gr	mod kaol	320	
		330	
		340	
		350	
		360	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
290: 10	1mm	287: Coarse blebs of MoS2 to 5mm, along a MoS2-py vnlt @ 45. 290: Qtz-hem, poss py and/or MoS2.		A few MoS2 grains along low angle sericite fracture.
291: 30 293: 35 297: 35 298: 40	1-2mm 1-2mm 1mm 1mm	Qtz-py Mo? vnlt. Qtz-py-MoS2-hem. Strong MoS2 covering fracture. 298: MoS2 stringer.		Very fine flecks. 299: Polished ser joint @ 60 to c.a.
304: 50 309: 45 to 60	10mm 1-3mm	Banded sercite + chl. 5 qtz-py vnits over 20 cm.		
310: 45 & 75 311: 40 313: 45 317: 45	1-2mm - 5mm 1-2mm 2-3mm	Two qtz-py vnits, KF altn. Grey, f-gr qv with py. Qtz-py-MoS2 vnlt. Qtz vnlt, min py-MoS2.	KF	313: Strong KF selvage, up to 8mm. 317: 1cm KF selvage.
322: 40 328: 40 329: 90	2-4mm 2-4mm 3-4mm	White calcite vnlt. Qtz-MoS2 vein. Grey glassy qv.	—— KF	Coarse blebs of MoS2, up to 8mm.
331: 45	20mm	Greeenish ser-py vn.		
342: 60 349: 45	3mm 2mm	White-grey qv. Qtz-MoS2 vn.	None None	349: MoS2 grains up to 1cm, parallel to vein.
351: 60 353: 25	3mm 8mm	Grey qv, no mnl. Med green chl-ser.	None None	353: Fracturing lessens. 358: Several grey qv's with wk KF selvages.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides: Core angle	RQD	Footage Blocks	Specific Gravity
			50%	287	
			39%	297	
			76%	307	
			80%	317	
			53%	327	
			71%	337	
			60%	347	
			33%	357	

Recovery

% Core	% Sludge
100%	
95%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined	
9759		0.003	
9760		0.016	
9761		0.003	
9762		0.004	
9763		0.006	
9764		0.003	
9765		0.018	
9766		0.008	

ENDAKO MINES

Hole No. S-01-04

Sheet No. 4 of 6

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
35	20	40	5	wk por	5	**Casey Alaskite:** Mainly med-grained, pink & green with weak kaol of feldspars.
						367-372: Mod fractured.
						382.5: Qtz-hem vein @ 15 to c.a., up to 10mm thick with vugs up to 10mm.
						407: Contact @ 50 to c.a. between pink, weakly altd and greenish ser-kaol
						411-413: Mainly ser-rich rubble, min fault. 416-418: As above. Gougy section.
						420-422.5: Rubbly gouge, only weakly calcareous, as above. 428-430: Fractured, several grey qv's.
						431: Qtz-MoS2 in weak vnlt. 430-433: Decreasing fracturing.

Graphic Log

Rock Type	Alteration	Footage	Structure
Gr	wk kaol	370	
Gr	wk kaol	380	
Gr	wk kaol	390	
Gr	wk kaol	400	
Gr	wk kaol	410	
Gr	wk kaol	420	
		430	
		440	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
360: 60 360: 45 362: 60	5mm 2-3mm 2mm	Grey qv, wk KF selv. Grey qtz-py-MoS2. Grey qtz-py, Mo?	Str KF	MoS2 bleb ~2mm.
376: 60 379: 40	5mm 3mm	376.5: MoS2 grain on fracture @ 35, 4mm. Thin qtz with sig py in stringers and grains up to 5mm.		379: White & grey qtz vn.
387: 45 390: 45	2mm 5mm	Qtz-ser-py vnlt. Qtz-ser-py-hem.	KF	
390: 70 393: 35 394: 75 397: 35	8mm 12mm 12mm 15mm	Pale grey qv. Series of qtz-ser-hem white glassy qv. Qtz-ser-hem stringers.		
401: 60 to 75 407: 75	2-5mm 10mm	Series of subparallel pale grey qtz vnlts Pale qv with c-gr blebby py.	ser	408-410: Ser-rich rubble.
				419: Dark qtz vein bx matrix, clast-supported.
25 424: 45	1mm 2mm	422.5: Dark qtz-ser hem vnlt. Qtz-py vnlt, poss MoS2. Qtz veins are pale grey, no sulphides.		425-426: sandy, coarse rubble. 427: Black stwk of basalt dykes; large vugs, 1+cm.
435: 45	2-3mm	433: Several MoS2 grains 0.5-1mm, scattered over 5 cm. Qtz-MoS2-py vnlt, scattered MoS2 grains.		438: MoS2-qtz @ 30 to c.a. 440: MoS2, py vnlt.

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			66%	367	
			16%	377	
			61%	387	
			65%	397	
			72%	407	
			19%	417	
			17%	427	
			34%	437	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	
100%	
100%	
90%	
95%	

Assay Results

Sample Number Core	Sample Number Sludge	%MoS2 Core	%MoS2 Sludge
		Estimate Grade %MoS2	Estimate Grade %MoS2
9767		0.008	
9768		0.009	
9769		0.002	
9770		0.027	
9771		0.004	
9772		0.008	
9773		0.037	
9774		0.058	

Combined

ENDAKO MINES

Hole No. S-01-04

Sheet No. 5 of 6

Section							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
Rock Types & Alteration																Fractures										Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
35	20	40	5	wk por	5	**Casey Alaskite:** Mainly med-grained, pink & green with weak kaol of feldspars.	Gr	mod kaol	450		440: 45 441: 50 442: 60 446: 50 447: 45	2mm 2mm 2mm 2mm 2mm	Qtz-**MoS2**-py vnlt. Two qtz-**MoS2** vnlts. Qtz-**MoS2** vnlts. Blebby **MoS2** vnlt. Qtz-**MoS2** vnlt.		448: Blebby **MoS2**.	10 20 30 40 50 60 70 80 90			87%	447		100%		9775		0.132	
						Somewhat coarse-grained to porphyritic	Gr	mod kaol	460				451: Blebby **MoS2**, diss py. 457: Blebby **MoS2**, wk vn.			10 20 30 40 50 60 70 80 90			70%	457		100%		9776		0.021	
20	40	35	5	cgr	4	**Endako Quartz Monzonite:** mottled, mod oxidized green & pink; **sheared** and weathered.	QM	wk kaol	470		461: 40 463: 60	15mm 1mm	Qtz-hem vein. Qtz-**MoS2** vnlt. 464-467: Scattered **MoS2** grains. 468-470: 1-2% py.		463: MoS2 smeared on fracture @ 45 .	10 20 30 40 50 60 70 80 90			64%	467		100%		9777		0.012	
							QM	wk kaol	480		472: 55 475: 60 479: 25	1mm 1- 5mm 1mm	**MoS2** smear, slicks. Qtz vn, min **MoS2**. **MoS2** on fracture.		475: 6cm ser vn @ 80 to c.a.	10 20 30 40 50 60 70 80 90			62%	477		100%		9778		0.011	
						480.5-482.5: Cream-coloured aplite dyke @ 40-45 to c.a.; pyritic. 485: Min fault; fine sandy rubble	QM	wk kaol	490		489: 45	2-3mm	Qtz-**MoS2**-py vnlt.	KF	Strong selvage.	10 20 30 40 50 60 70 80 90			69%	487		100%		9779		0.011	
						497: 3cm qtz-hem-MoS2 vein @ 50 to c.a. 498.5: 4mm qtz-MoS2 vein @ 50 to c.a.	QM	wk kaol	500		495: 60	1-2mm	490-492 Strong coarse diss pyrite. 494: Wk **MoS2** vnlt, related to qv. 495: Qtz-**MoS2**-py vnlt.		500: 6mm banded qtz vein, grey to pink.	10 20 30 40 50 60 70 80 90			93%	497		100%		9780		0.081	
						505: Healed bx-vein contact; 1mm MoS2 grain, also on fracture. 505-509: Mainly purple qtz-hem vn bx.	QM	wk kaol	510		505: 15 508: 45 508:40 509:60	1mm —— —— 2-5mm	**MoS2** smear, slicks. Vein contact. Vein contact. Four pale qtz vnlts.		505-507: Mod fractured.	10 20 30 40 50 60 70 80 90			84%	507		100%		9781		0.007	
35	20	40	5	wk por	5	511: Irregular, discont qtz veining @ 20-45. 518: **Casey Alaskite** Fine to med grained, pinkish.	QM	wk kaol	520				Little veining, minor hem on some fractures, no sulphides.			10 20 30 40 50 60 70 80 90			79%	517		100%		9782		0.007	

Section		ENDAKO MINES	Hole No.	S-01-04		
			Sheet No.	6	of	6

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	Recovery: % Core	Recovery: % Sludge	Sample Number: Core (Estimate Grade %MoS2)	Sample Number: Sludge (Estimate Grade %MoS2)	%MoS2 Core (Combined)	%MoS2 Sludge (Combined)
						Continuing med-gr.			527							10 20 30 40 50 60 70 80 90			55%	527		100%		9783		0.003	
						527': END OF HOLE										10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											
																10 20 30 40 50 60 70 80 90											

Section		ENDAKO MINES			Hole No.	S-01-05		
					Sheet No.	1	of	6
Location	SE Dump Area	Bearing	007°	Latitude	26962 N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	December 19, 2001	Length	507 feet	Departure	35467 E	Scale of Log		Date	23-Dec-01
Date Completed	December 20, 2001	Dip	-50° (-54° @ 507 ft)	Elevation	3115 feet	Remarks			

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
						Overburden - cased to 110 feet.			110											110		0%					
20	40	35	5	cgr	6	Endako Quartz Monzonite: mottled, grey & pink; coarse grained to weakly por, KF to 1cm.	QM	v. wk kaol	120				Oxidized on fractures to 127'.		Weakly magnetic. Weakl chloritized biotite.				14%	117		100%		9784		0.002	
					6	123: Begin to see considerable pyrite on most fractures, in vnlts, and diss throughout.	QM	v. wk kaol	130		125: 45 126: 50 128: 50	1mm 1mm 1-2mm	Tarnished pyrite vnlt. Pyrite along fracture. Pyrite vnlt.		Limonite & calcite on many fractures, calcite +/- pyrite below 127'.				40%	127		100%		9785		0.001	
					6	As above.	QM	v. wk kaol	140				<1% pyrite, mainly flattened on fractures and as irregular vnlts, rarely disseminated.						61%	137		100%		9786		0.001	
					6	140-144: Moderately fractured with thin sandy calcite-rich gouge.	QM	v. wk kaol	150		147: 40 148: 40	<1mm 1mm	3 qtz-py stringers. Qtz-MoS2 vnlt.		MoS2 vnlt appears to have same orientation as qtz-py vnlts.				42%	147		100%		9787		0.002	
					6		QM	v. wk kaol	160		152: 40 157: 45 157: 25 158:45 158: 40	1mm 1- 3mm 1mm <1mm <1mm	Strong py on fractura. Qtz-py-cal, min hem. Hem-cal on fracture. Hem-py-cal on frac. Py-cal-chl on fracture.						63%	157		100%		9788		0.001	
					6	162: Several strongly pyritic (+calcite) on fractures.	QM	v. wk kaol	170		167: 35 168: 70	1-3mm 5cm	Dk grey qtz-py-lim. Dk grey clay on both sides, crumbly qtz-cal-py vnlts.		Dark qtz may have MoS2, limonite is red-orange.				62%	157		100%		9789		0.003	

Section — ENDAKO MINES

Hole No. S-01-05

Sheet No. 2 of 6

Rock Types & Alteration / Graphic Log / Mineralization and Structures

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
20	40	35	5	cgr	6	**Endako Quartz Monzonite:** mottled, grey & pink; coarse grained to weakly por; KF to 1cm.	QM	v. wk kaol	180		171: 65 171: 60 175: 25 179: 20	1mm 1mm 8mm 5mm	Py-cal on fracture. Slicked cal with py. Cal-ser-hem shear. Cal-ser-hem shear.		
						Fewer calcite-pyrite fractures, rare vnlts. More competent section.	QM	v. wk kaol	190		185: 15 —— 189: 40	1mm ------ <1mm	Str hem, cal-chl-py shear plane. Diacon qtz-py stringers.		186-187: Mod frac'd, cal-ser & hem fractures.
						Continues solid and unaltered.	QM	v. wk kaol	200		192: 20 194: 50	1+mm 1mm	Cal-ser shear plane. Cal-py on fracture.		Py occurs as cubes that appear flattened.
							QM	v. wk kaol	210		202: 12 204:30 208: 30 208: 5	2mm 5mm 1mm 1-3mm	Cream cal-ser slip. Ser-cal gouge. Hem-ser-cal fractures. Calcite vnlts.		
						217.5-219: Aplite Dyke; 10cm true thickness @ 10-20 to c.a. Well fractured.	QM	v. wk kaol	220		213: 50 215: 40 216: 50	1-2mm 1mm 1-3mm	Qtz-py stringer. Str py on fracture. Series of qtz-cal-py.		
						Feldspars becoming slightly more sausser, more washed out look.	QM	v. wk kaol	230		222: 45 224: 25 226: 30 227: 45	1mm 1mm 2mm <1mm	Py on fracture. Cal-ser slip, min hem. Cal-ser-hem slip. Py-cal on fracture.		Relative incr in py on fractures and ser-clay-cal slips. Approx 15cm spacing.
						231.5: 10mm ser-clay-cal gouge @ 20 to c.a.	QM	v. wk kaol	240		2[illegible]5	1mm	Ser-chl-cal slip.		
						249: Becoming slightly more kaolinized.	QM	v. wk kaol	250		242: 50 244: 55 250: 65	1mm 1mm <1mm	4 qtz-py vnlt, in 5cm. Qtz-py vnlt, py in bl. Ser-clay-cal slips.		241: Inclusion of finer-grained granite. Darker, diorite clasts also occur.

Rock Qualities / Recovery / Assay Results

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge	Estimate Grade: %MoS2	Estimate Grade: %MoS2	Combined
			78%	177		100%		9790		0.001				
			75%	187		100%		9791		0.001				
			77%	197		100%		9792		0.001				
			70%	207		100%		9793		0.001				
			81%	217		100%		9794		0.001				
			70%	227		100%		9795		0.001				
			71%	237		100%		9796		0.001				
			92%	247		100%		9797		0.001				

Section — ENDAKO MINES

Hole No. S-01-05

Sheet No. 3 of 6

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
20	40	35	5	cgr	6	Endako Quartz Monzonite: mottled, grey & pink; coarse grained to weakly por, KF to 1cm.	QM	v. wk kaol	260		254: 60 254: 45 257: 25	5mm 1mm 20mm	White cal vn, chl selv. Py vnlt, cut by cal vn. Sig clay-ser-cal fault.		256-259: Incr gougy fracturing assoc with fault.	10 20 30 40 50 60 70 80 90			69%	257		100%		9798		0.001	
							QM	v. wk kaol	270		261: 40 263: 20 266: 75 269: 45	1mm 2mm 1mm 1mm	Grey qtz-py-Mo? vn. Cal-ser vn-slip. Ser-chl-hem slip. Py-cal on fracture.		Bluish sap along selvages. Wk slicks.	10 20 30 40 50 60 70 80 90			49%	267		100%		9799		0.001	
							QM	v. wk kaol	280		272: 30 273: 30 277: 50 280: 20	1mm 1-2mm 1mm 1mm	Str py, min cal on frac Two cal vns cross Py-cal on fracture. Powdery white cal vn			10 20 30 40 50 60 70 80 90			81%	277		100%		9800		0.001	
							QM	v. wk kaol	290		286: 45	5mm	Clay-ser-cal vnlts.		Relatively fewer fractures, py-cal.	10 20 30 40 50 60 70 80 90			60%	287		100%		9801		0.001	
							QM	v. wk kaol	300		294: 40	1mm	Py-cal on fracture.		Most fractures are wkly ser, @ 45 to c.a. Pyrite less common.	10 20 30 40 50 60 70 80 90			79%	297		100%		9802		0.001	
							QM	v. wk kaol	310		304: 45 305: 60 308: 50 309: 20	1mm 1mm 1mm 3-5mm	Finer py on fracture. C-gr py, cal on frac. 3 py stringers. Qtz-py vein.	KF	Rare KF selvage up to 1cm.	10 20 30 40 50 60 70 80 90			90%	307		100%		9803		0.002	
							QM	v. wk kaol	320		317: 30 320: 20 320: 45	1mm 4 7mm 1mm	Cream ser-cal fracture. Cal vein. Cal-ser-py fracture cuts off calcite vn.		Cal-ser fractures but less py.	10 20 30 40 50 60 70 80 90			78%	317		100%		9804		0.001	
						327-330 Aplite Dyke: top and bottom of dyke @ 15 to c.a. Locally fractured, a few pyritic fractures.	QM	v. wk kaol	330		330: 45	1mm	Py, min cal on fracture.		No chill margins, contacts unsheared.	10 20 30 40 50 60 70 80 90			83%	327		100%		9805		0.002	

Section — ENDAKO MINES

Hole No. S-01-05

Sheet No. 4 of 6

Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
																										Core	Sludge	Core	Sludge
																										Estimate Grade		Combined	
Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Rock Type	Alteration	Footage	Structure	Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Core angle	Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2				
20	40	35	5	cgr	6	**Endako Quartz Monzonite:** mottled, grey & pink; coarse grained to weakly por, KF to 1cm.	QM	v. wk kaol	340		330: 15 332: 55 333: 50 336: 60 339: 20	1mm 1mm 1mm 1mm 1mm	Cal- ser vnlt, slip. Py-bluish qtz vnlt. Py on fracture. Py on fracture. Cal vnlt.		Mod fracturing, py common.				46%	337		100%			9806		0.001	
						Competent, weakly fractured.	QM	v. wk kaol	350		340: 60 347: 25	10cm 2mm	Clay-ser-cal shear. Cal-ser vnlt, slip.						76%	347		100%			9807		0.001	
							QM	v. wk kaol	360		351: 45 354: 35 355: 30 359: 15	1mm 3-5mm 1-2mm 1-2mm	Py-cal on fracture. Banded cal vnlt. Ser-clay, min py-cal. Cal-ser vnlt, pose slip						78%	357		100%			9808		0.002	
						362-364.5: Aplite Dyke; pink-purple, as usual. Sharp contacts @ 10 to c.a., no chill margins.	QM	v. wk kaol	370		360: 30 368: 40 368: 50	1mm 1mm 1mm	Ser-cal slip Cal-ser slip Py-cal fracture.		Slickensides.			30	54%	367		100%			9809		0.001	
						374-380: Moderately fractured along cal-ser-clay stwk, occ qtz-py vnlts.	QM	v. wk kaol	380		372: 27 372: 37 378:50	1-2mm 1mm 1mm	Cal vnlt. Py-hem on fracture. Clay-ser-cal slips.						55%	377		100%			9810		0.001	
						380: Fracturing ends abruptly.	QM	v. wk kaol	390		384: 35 385: 35 390: 50 390: 30	1mm 1mm 1mm 1mm	Py-cal vnlt/fracture. Py-cal vnlt/fracture. Qtz-py stringers. Qtz-py stringer.						67%	387		100%			9811		0.002	
						393.5: Grey, f-gr to por qtz-diorite xenolith.	QM	v. wk kaol	400										90%	397		100%			9812		0.002	
						406.6: Very sharp contact between unaltd QM and fault. Top marked by 6cm f-gr dyke with QM clasts.	FLT BX		410		404: 40 406: 35	2mm 1mm	Ser-cal-hem slip. Ser-clay-py slip. **406.6: FAULT ZONE**		407-410 Pale green & red clay-ser-cal gouge & bx, soft yet competent.				71%	407		100%			9813		0.002	

Wildrock Resources Consulting & Drafting

ENDAKO MINES

Hole No. S-01-05

Sheet No. 5 of 6

Section

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
						FAULT Dark purple and brick red f-gr dykes, gougy, becoming bx ~412.
20	40	35	5	cgr	1-2 6	**414: QM, as before.**
						423: Increasing clay altn of feld and around fractures, assoc with next fault.
						430: FAULT ZONE Sharp contact, across QM grains. Highly strained fault bx to 434.5, then gouge
						443: Begin to see clay-alt'd QM texture with gougy fracture stwk.
						Soft, crumbly, clay-alt'd QM, mainly fault bx.
						460-461: Relatively competent QM. 461-465: Soft,crumbly QM flt bx. 465-466: Competent.
						466-471: Soft, crumbly QM flt bx. 471-475.5: QM, rel competent, mod clay-alt'd.
20	40	35	5	cgr	6	**475.5: Endako Quartz** Monzonite mottled, grey & pink; coarse grained to weakly por, KF to 1cm.

Graphic Log

Rock Type	Alteration	Footage	Structure
FLT QM		420	
QM	mod kaol	430	
FLT	clay	440	
FLT QM	clay	460	
FLT BX QM	clay	460	
FLT BX QM	clay	470	
FLT BX QM	clay	480	
QM	wk kaol	490	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
419: 30	15mm	Lower fault contact gradational over 10cm. Clay-ser on fractures to 415. Cal vn, gougy flt.		QM is somewhat crumbly, small flt with cal vn.
420: 60 429: 45	15cm 1mm	Gougy zone. Two hem-ser slips.		Series of fractures at 60 & 20 to ca.
433: 70 434: 40	15mm ——	Pale green ser-clay. Contact gouge-bx.		436: Core becomes more gougy and crumbly.
443 445 447 448 450		Rubbly QM. Large wkly alt'd QM. 10cm gouge. Strong clay-altn. Solid QM.		Considerable shearing and assoc clay-ser altn. Min py @ 447.
		Consistent gougy matrix with unsheared QM clasts.		
		466-470: Soft, crumbly QM flt bx.		
		474.5-475.5: Sheared & bx'd green Andesite Dyke @ 45-50 to c.a. Very sharp contacts.		475.5: Lower contact of fault zone; into relatively fresh, unfractured QM.
—— 484: 60 488: 60 490: 40	—— 1mm 1mm 1mm	480-484: Unaltd QM. Ser slip, min hem-ilm. Clay-ser gougy slip. Irreg py stringers.		

Rock Qualities

Fracture Core angle	Fracture Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			99%	417	
			73%	427	
			83%	437	
			4%	447	
			73%	457	
			56%	467	
			1%	477	
			69%	487	

Recovery

% Core	% Sludge
100%	
100%	
100%	
100%	
100%	
100%	
100%	
100%	

Assay Results

Sample Number Core	Sample Number Sludge	%MoS2 Core	%MoS2 Sludge
		Estimate Grade %MoS2	Estimate Grade %MoS2
		Combined	
9814		0.002	
9815		0.003	
9816		0.004	
9817		0.002	
9818		0.003	
9819		0.002	
9820		0.002	
9821		0.002	

Section

ENDAKO MINES

Hole No. S-01-05

Sheet No. 6 of 6

Rock Types & Alteration

Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance
20	40	35	5	cgr	6	**Endako Quartz Monzonite:** mottled, cream & orange; coarse grained to weakly por, KF to 1cm.
						Continues bleached cream & orange mottled.
						507': END OF HOLE

Graphic Log

Rock Type	Alteration	Footage	Structure
QM	wk to mod kaol	500	
QM	wk to mod kaol	507	

Mineralization and Structures

Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks
490: 45	12mm	Green ser-chl shear.		
493: 35	1mm	Py stringer.		
497: 40	2mm	Gn ser-clay-chl slip.		
498: 50	1mm	Hem-py planar slip.		
500: 20	5cm	Narrow fit bx.		Weakly pyritic <<1%, more clay-ser, less calcite.
503: 35	1mm	Grey clay slip.		
506: 45	1mm	Grey clay-ser slip.		

Rock Qualities

Fractures: Core angle	Fractures: Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity
			91%	497	
			96%	507	

Recovery

% Core	% Sludge
100%	
100%	

Assay Results

Sample Number: Core	Sample Number: Sludge	%MoS2: Core	%MoS2: Sludge
		Estimate Grade: %MoS2	Estimate Grade: %MoS2
9822		0.004	Combined
9823		0.004	

Appendix 5
Assay Reports

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

dec1901

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9601	0.004	31		
2	9602	0.003	32		
3	9603	0.004	33		
4	9604	0.004	34		
5	9605	0.006	35		
6	9606	0.002	36		
7	9607	0.002	37		
8	9608	0.003	38		
9	9609	0.002	39		
10	9610	0.002	40		
11	9611	0.002	41		
12	9612	0.003	42		
13	9613	0.004	43		
14	9614	0.002	44		
15	9615	0.003	45		
16	9616	0.002	46		
17	9617	0.003	47		
18	9620	0.003	48		
19	9623	0.002	49		
20			50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

dec2001

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9618	0.004	31		
2	9619	0.010	32		
3	9621	0.003	33		
4	9622	0.005	34		
5	9624	0.002	35		
6	9625	0.002	36		
7	9626	0.004	37		
8	9627	0.003	38		
9			39		
10			40		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

DEC2101

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9628	0.005	31		
2	9629	0.005	32		
3	9630	0.002	33		
4	9631	0.003	34		
5	9632	0.002	35		
6	9633	0.002	36		
7	9634	0.002	37		
8	9635	0.002	38		
9			39		
10			40		
11			41		
12			42		
13			43		
14			44		
15			45		
16			46		
17			47		
18			48		
19			49		
20			50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

dec2801

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9636	0.006	31		
2	9637	0.003	32		
3	9638	0.002	33		
4	9639	0.002	34		
5	9640	0.002	35		
6	9641	0.002	36		
7	9642	0.002	37		
8	9643	0.006	38		
9	9644	0.002	39		
10	9645	0.002	40		
11	9646	0.002	41		
12	9647	0.001	42		
13	9648	0.001	43		
14	9649	0.001	44		
15	9650	0.002	45		
16	9651	0.001	46		
17	9652	0.003	47		
18			48		
19			49		
20			50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

cjan0202

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9653	0.003	31		
2	9654	0.003	32		
3	9655	0.003	33		
4	9656	0.002	34		
5	9657	0.003	35		
6	9658	0.004	36		
7	9659	0.004	37		
8	9660	0.003	38		
9	9661	0.002	39		
10	9662	0.005	40		
11	9663	0.002	41		
12	9664	0.002	42		
13	9665	0.001	43		
14	9666	0.004	44		
15	9667	0.010	45		
16			46		
17			47		
18			48		
19			49		
20			50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan0302

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9668	0.002	31		
2	9669	0.002	32		
3	9670	0.003	33		
4	9671	0.002	34		
5	9672	0.003	35		
6	9673	0.002	36		
7	9674	0.002	37		
8	9675	0.002	38		
9	9676	0.002	39		
10	9677	0.004	40		
11	9678	0.003	41		
12	9679	0.002	42		
13	9680	0.002	43		
14	9681	0.009	44		
15	9682	0.007	45		
16	9683	0.005	46		
17	9684	0.002	47		
18	9685	0.009	48		
19	9686	0.003	49		
20	9689	0.002	50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan0402

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9687	0.002	31		
2	9691	0.002	32		
3	9692	0.004	33		
4	9694	0.004	34		
5	9695	0.004	35		
6	9698	0.008	36		
7	9703	0.003	37		
8	9704	0.005	38		
9	9707	0.005	39		
10	9708	0.006	40		
11	9709	0.014	41		
12	9711	0.036	42		
13	9712	0.011	43		
14	9713	0.008	44		
15	9714	0.004	45		
16	9715	0.004	46		
17	9717	0.010	47		
18	9721	0.007	48		
19	9722	0.007	49		
20	9723	0.019	50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan0502

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9688	0.003	31		
2	9690	0.005	32		
3	9693	0.003	33		
4	9696	0.004	34		
5	9697	0.016	35		
6	9699	0.005	36		
7	9700	0.009	37		
8	9701	0.007	38		
9	9702	0.030	39		
10	9705	0.007	40		
11	9706	0.007	41		
12	9710	0.006	42		
13	9716	0.004	43		
14	9718	0.004	44		
15	9719	0.017	45		
16	9720	0.005	46		
17	9724	0.004	47		
18	9725	0.011	48		
19	9726	0.006	49		
20	9727	0.010	50		
21	9728	0.007	51		
22	9729	0.005	52		
23	9730	0.016	53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan0802

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9731	0.006	31		
2	9732	0.012	32		
3	9733	0.004	33		
4	9734	0.011	34		
5	9735	0.007	35		
6	9736	0.009	36		
7	9737	0.004	37		
8	9738	0.006	38		
9	9739	0.003	39		
10	9740	0.003	40		
11	9741	0.002	41		
12	9742	0.015	42		
13	9743	0.006	43		
14	9744	0.004	44		
15	9745	0.009	45		
16	9746	0.005	46		
17	9747	0.005	47		
18	9748	0.015	48		
19	9749	0.003	49		
20	9750	0.004	50		
21	9751	0.004	51		
22	9752	0.009	52		
23	9753	0.003	53		
24	9754	0.003	54		
25	9755	0.004	55		
26			56		
27			57		
28			58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan0902

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9756	0.007	31		
2	9757	0.072	32		
3	9758	0.021	33		
4	9759	0.003	34		
5	9760	0.016	35		
6	9761	0.003	36		
7	9762	0.004	37		
8	9763	0.006	38		
9	9764	0.003	39		
10	9765	0.018	40		
11	9766	0.006	41		
12	9767	0.008	42		
13	9768	0.009	43		
14	9769	0.002	44		
15	9770	0.027	45		
16	9771	0.004	46		
17	9772	0.008	47		
18	9773	0.037	48		
19	9774	0.058	49		
20	9775	0.132	50		
21	9776	0.021	51		
22	9777	0.012	52		
23	9778	0.011	53		
24	9779	0.011	54		
25	9780	0.061	55		
26	9781	0.007	56		
27	9782	0.007	57		
28	9783	0.003	58		
29			59		
30			60		

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

jan1502

	SAMPLE NO.	MoS_2		SAMPLE NO.	MoS_2
1	9784	0.002	31	9814	0.002
2	9785	0.001	32	9815	0.003
3	9786	0.001	33	9816	0.004
4	9787	0.002	34	9817	0.002
5	9788	0.001	35	9818	0.003
6	9789	0.003	36	9819	0.002
7	9790	0.001	37	9820	0.002
8	9791	0.001	38	9821	0.002
9	9792	0.001	39	9822	0.004
10	9793	0.001	40	9823	0.004
11	9794	0.001	41		
12	9795	0.001	42		
13	9796	0.001	43		
14	9797	0.001	44		
15	9798	0.001	45		
16	9799	0.001	46		
17	9800	0.001	47		
18	9801	0.001	48		
19	9802	0.001	49		
20	9803	0.002	50		
21	9804	0.001	51		
22	9805	0.002	52		
23	9806	0.001	53		
24	9807	0.001	54		
25	9808	0.002	55		
26	9809	0.001	56		
27	9810	0.001	57		
28	9811	0.002	58		
29	9812	0.002	59		
30	9813	0.002	60		