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

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Wildrock Resources Consulting & Drafting

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Mine Engineer
Endako Mines

March 5, 2003

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1.0 Summary

The Endako porphyry molybdenite deposit is located 160 kilometres west of Prince George in central British Columbia. The property consists of 374 claims totaling 424 units, covering 7741 hectares, including 25 mineral leases. The claims are 75% owned by Thompson Creek Mining Ltd. and 25% by Nissho Iwai Corporation. The Endako Mine consists of three different open pits: the Endako, Denak East, and Denak West, with a total proven and probable reserve of 84,400,000 tonnes grading 0.064% molybdenum as of October 1, 2002, 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. 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.

Fourteen diamond drill holes totaling 5,166 feet (1,574.6 metres) were completed along the South Wall and bottom of the Endako Pit. The first 3 holes, S-02-01 to 03, were completed in January 2002, and tested the continuity and grade of molybdenite mineralization below the current pit bottom. In March, S-02-04 and 05 tested a significant zone of uncertain grade in the south wall with the aim of enhancing the economics the proposed South Wall Pushback. Finally, between April 23rd and May 3rd, 2002, a series of 9 holes were completed from west to east along the current pit bottom at the south wall, again to determine grade and continuity of mineralization and assess the economics of the potential pushback.

Ore grades were encountered in all 14 holes although the distribution of high-grade mineralization continues to be erratic. Molybdenite mineralization occurs mainly in discrete quartz veins and stockworks within weakly to strongly kaolinized Endako Quartz Monzonite and fractured Quartz-Feldspar Porphyry dykes. Minor MoS_2 also occurs in quartz-kaolinite shears. Most MoS_2 is concentrated along vein selvages and is easily liberated during crushing and grinding, but MoS_2 in a fine-grained component called "black quartz ore" is difficult to recover.

Attempts to identify potential lower recovery zones in core logging were inconclusive. Standard bench-scale metallurgical tests were run to try to model zones of similar recovery. Based on these data and others, a comprehensive evaluation of the economic viability of a pushback along the South Wall of the Endako Pit is in progress.

2.0 Introduction

2.1 Terms of Reference

The principal author was contracted by Thompson Creek Mining Ltd. to assist in the design and implementation on an infill diamond drilling program along the southern margin of the Endako Open Pit. This report describes the results of 5,166 feet (1,574.6 metres) of diamond drilling in 14 holes completed between January 23 – May 3, 2002, and fulfills reporting requirements for assessment work on the mineral claims listed in Appendix 3. The authors selected all drill sites, supervised drilling, and are jointly responsible for all geological interpretations described in this report. Christopher J. Wild, P.Eng., logged all core and supervised core sampling.

2.2 Property Description and Location

The Endako porphyry molybdenite deposit is located 160 kilometres west of Prince George in central British Columbia (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 Corporation.

The Endako Mine consists of three different open pits: the Endako, Denak East, and Denak West, with a total proven and probable reserve of 84,400,000 tonnes grading 0.064% molybdenum as of October 1, 2002 (Schroeter, 2003), and is currently operating at a rate of approximately 28,000 tonnes per day. 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 9,070 tonnes per day to 24,500 tpd in 1967, 27,000 tpd by 1980, and 30,000 tpd in 1993.

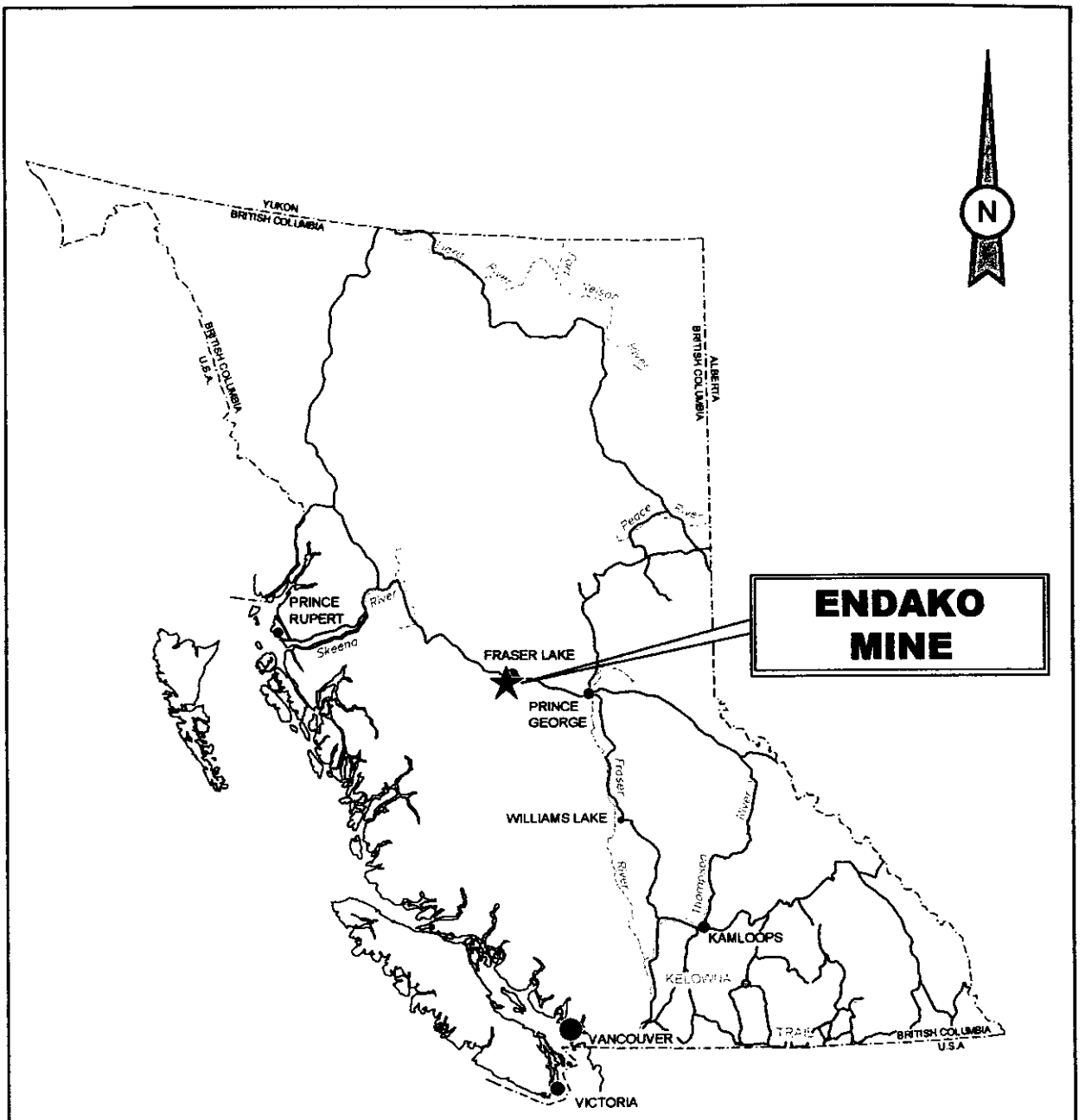
Exploration has been ongoing from the mid-sixties to the present, including geochemical sampling, diamond and percussion drilling. Recent work included 14 diamond drill holes in 1989, 22 more in 1992,

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.

In 2001, 5 diamond drill holes totaling 772.7 metres were completed on two target areas (Wild and Thompson, 2002). 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 MoS_2 at the Endako Mine Laboratory.

2.5 2002 Program

A total of 5166 feet (1575 metres) of diamond drilling in 14 holes completed in three stages from January 23 – May 3, 2002. The first 3 holes, S-02-01 to 03, tested the continuity and grade of molybdenite mineralization below the current pit bottom. S-02-04 and 05 tested a significant zone of uncertain grade in the south wall with the aim of enhancing the economics the proposed South Wall Pushback. Nine holes, S-02-06 to 14, tested the south wall zone below the current pit bottom, again to determine grade and continuity of mineralization and assess the project economics. As part of that assessment, the entire core was sampled for metallurgical testing.



THOMPSON CREEK MINING LIMITED

ENDAKO MINES

PROPERTY LOCATION MAP

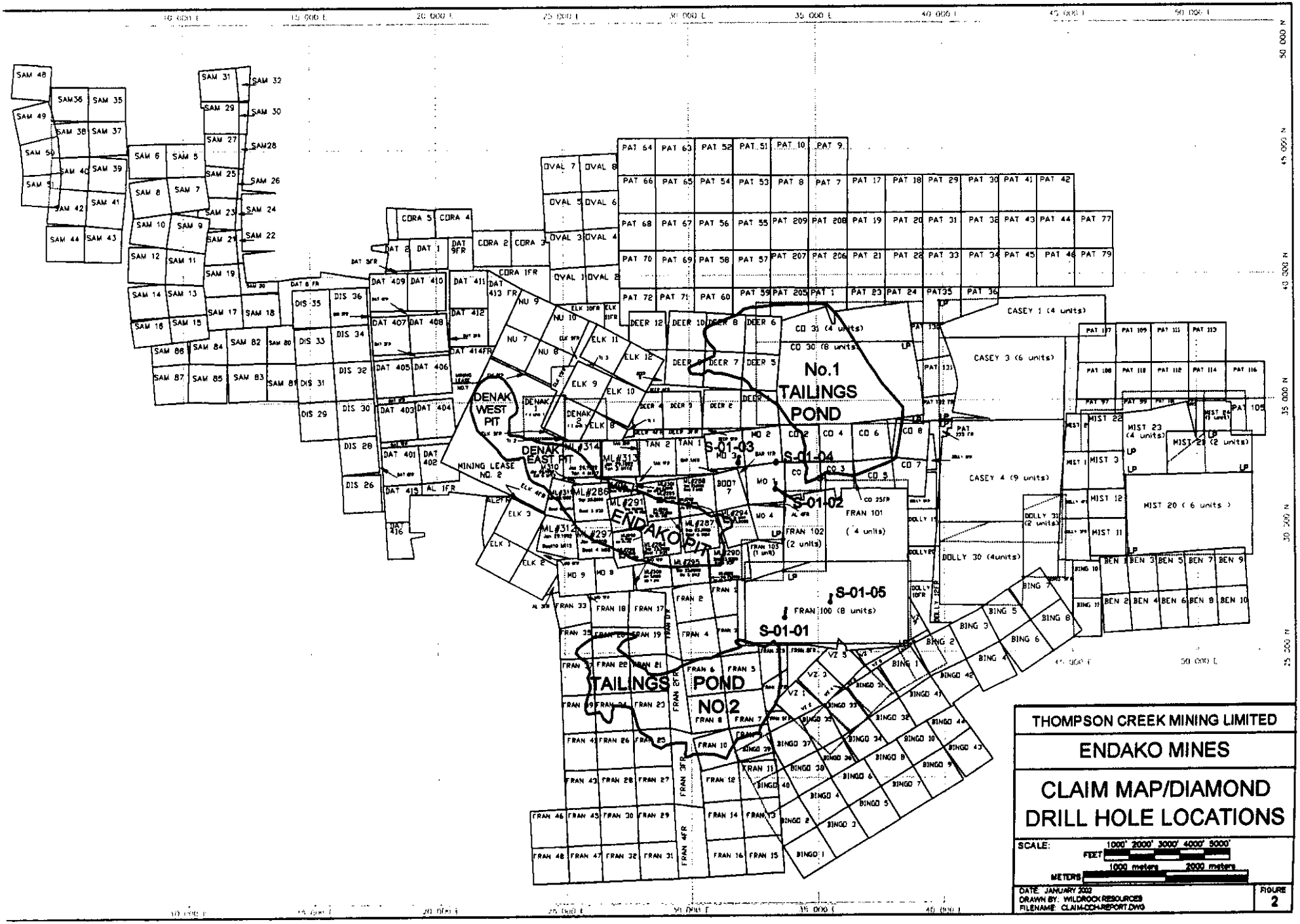
SCALE: 0 100 200 300 400 500 km

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

FIGURE 1

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA

5/3/03



THOMPSON CREEK MINING LIMITED

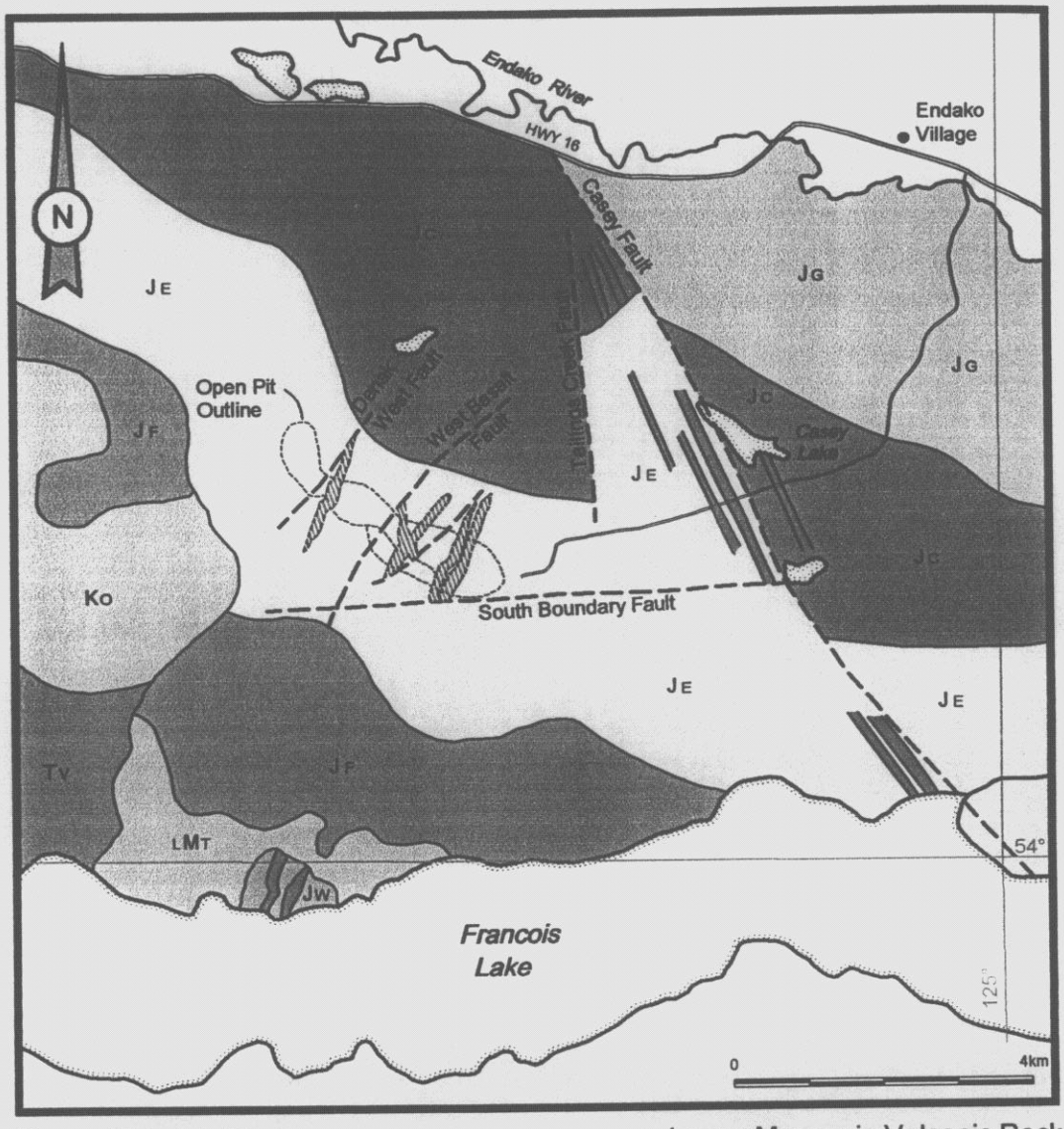
ENDAKO MINES

CLAIM MAP/DIAMOND DRILL HOLE LOCATIONS

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

DATE: JANUARY 2003
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

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 Stem 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 Endako Pit. 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.

Aplite Dykes

Aplites are typically pink and fine to medium-grained quartz-K-feldspar-rich dykes. These dykes range up to several metres thick, 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. Above the South Basalt Fault, 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. The South Basalt Fault is the best exposed fault – basalt dyke structure, and was intersected in diamond drillholes S-02-04 and 05.

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

Fourteen diamond drill holes totaling 5,166 feet or 1,574.6 metres were completed along the South Wall and bottom of the Endako Pit. The first 3 holes, S-02-01 to 03, were completed in January 2002, and tested the continuity and grade of molybdenite mineralization below the current pit bottom. In March, S-02-04 and 05 tested a significant zone of uncertain grade in the south wall with the aim of enhancing the economics the proposed South Wall Pushback. Finally, between April 23 and May 3, 2002, a series of 9 holes were completed from west to east along the current pit bottom at the south wall (Figure 4), again to determine grade and continuity of mineralization and assess the project economics. As part of this third phase program, all the core was sampled for metallurgical testing.

The core from S-02-01 to S-02-05 was split using a manual splitter with half the core put in plastic bags for delivery to the assay lab and the other half retained for future reference. Core is stored in the core storage area on site; pulps are stored in the core shack. All core for drillholes S-02-06 to S-02-14 was sampled for metallurgical test work. The pulps and rejects for those 9 holes are also stored in the core shack. Sample intervals were usually 10 feet in length, varying between 2 and 18 feet. All core samples were analyzed for MoS_2 at the on site assay lab. Analytical procedures are described in Appendix 6; assay reports are included in Appendix 7.

Table 1
2002 Diamond Drill Holes

Hole #	Easting	Northing	Elevation	Azimuth	Dip	Depth	Depth
	(feet)	(feet)	(feet)	(deg)	(deg)	(ft)	(m)
S-02-01	28924	29867	2620	n/a	-90	257	78.3
S-02-02	28092	30248	2630	n/a	-90	207	63.1
S-02-03	28573	30012	2576	n/a	-90	257	78.3
S-02-04	28603	28888	2970	347	-56	777	236.8
S-02-05	28599	28886	2970	007	-64	725	221.0
S-02-06	26746	30289	2665	n/a	90	317	96.6
S-02-07	26891	30171	2664	n/a	90	317	96.6
S-02-08	27277	30148	2622	187	68	287	87.5
S-02-09	27535	30056	2621	187	68	287	87.5
S-02-10	28580	29385	2662	n/a	90	317	96.6
S-02-11	28168	29625	2657	n/a	90	317	96.6
S-02-12	28321	29502	2662	n/a	90	317	96.6
S-02-13	28216	29589	2667	300	45	427	130.1
S-02-14	28790	29235	2662	155	60	357	108.8
Total						**5,166**	**1,574.6**

4.1 S-02-01 to S-02-03

Three short holes tested areas of uncertain grade, based on previous drilling. All 3 vertical holes were collared near the centre of the pit bottom (Figure 4). The easternmost hole, **S-02-01**, encountered Endako Quartz Monzonite (EQM) hosting relatively weak quartz-molybdenite veining (Figure 5). Core was sampled between the bottom of the casing at 15 feet to the end of the hole at 257 feet, returning a weighted average grade of 0.085% MoS_2 over 242 feet. Aplitic or Quartz-Feldspar Porphyry (QFP) dykes were encountered from the bottom of the casing (15 feet) to 37.5 feet and 128.3 – 141.0 feet. Grades are elevated in and adjacent to these dykes.

S-02-03 was collared 290 feet northwest of S-02-01, encountering a few narrow QFP dykes and only minor veining in EQM (Figure 7). None of the samples collected returned results greater than 0.1%

MoS2. The hole averaged 0.046% MoS2 over 183 feet between 15 – 257 feet (collar to end of hole), including 0.057% MoS2 over 145 feet between 15 – 160 feet.

A further 620 feet to the north-northwest, **S-02-02** intersected no dykes and low to moderate grades hosted in EQM. Grades drop somewhat below 150 feet to the end of the hole at 207 feet (Figure 6). The hole averaged 0.081% MoS2 over 183 feet (from 24 – 207 feet), including 0.092% MoS2 over 126 feet between 24 feet (bottom of casing) and 150 feet.

4.2 S-02-04, S-02-05

Two holes collared at an elevation of 2970 feet on the southeast portion of the South Wall, tested a significant gap in the geologic block model. Both holes were inclined at moderate angles to the north and drilled through the South Basalt Fault (SBF) to an elevation of around 2075 feet. The SBF, an important structural feature of the Endako orebody, divides the south wall into an upper, sub-ore pyritic block ("pyrite zone"), and a lower, more strongly kaolinized ore zone. Both holes returned lower than anticipated grades, especially below and adjacent to the SBF (Figure 8).

In **S-02-04**, one 40-foot interval in the "pyrite zone" assayed 0.174% MoS_2. One 10-foot sample near the hangingwall contact of SBF assayed 0.550% MoS_2. However, most samples in the "pyrite zone" returned assays <0.05% MoS_2. Below the SBF, grades were higher and more evenly distributed, hosted mainly in EQM. The entire 377 feet below the SBF averages 0.101% MoS_2.

In **S-02-05**, grades in the "pyrite zone" are similar to those in S-02-04. The 380 feet below the SBF averages 0.077% MoS_2. Lower grades are the result of relatively long intervals of weakly mineralized QFP dykes, from 494 – 702 feet. These dykes typically strike northeasterly, dipping steeply to the northwest. These results largely reflect the grade within the dykes.

4.3 S-02-06 to S-02-14

Drillholes S-02-06 to S-02-14 stretched over 2300 feet along the South Wall (Figure 4). All but 2 were collared on 2662 Bench. The purpose of this phase of drilling was to provide geological and metallurgical data to determine the feasibility of a proposed South Wall Pushback. Metallurgical testing was also conducted to link various styles on mineralization with recoverability. Unfortunately, collar locations had to be modified due to ongoing instability from the Southeast Failure.

The westernmost hole, **S-02-06**, drilled vertically to a depth of 317 feet, intersected a series of 1-7 centimetre quartz-MoS_2 veins and weakly mineralized gougy shears in EQM. Moderate grades are fairly evenly distributed throughout the hole (Figure 9), averaging 0.096% MoS2 between 13 – 317 feet.

S-02-07 is located 190 feet southeast of S-02-06, and intersected a couple of thicker veins that boosted two 10-foot sample intervals to >0.44% MoS_2. The top of the hole, between the bottom of the casing and 250 feet averages 0.113% MoS_2 over 236 feet. Grades weaken below 250 feet, averaging only 0.036% MoS_2 over 67 feet (Figure 10).

S-02-08 and **S-02-09** were collared 385 and 640 feet east of S-02-07, respectively, and drilled to the south at an inclination of –68°. Both holes encountered considerable shearing and veining in EQM with moderate but erratic grades, especially in S-02-09. In that hole, an interval from 20-30 feet downhole assayed 1.67% MoS_2. In S-02-08, grades drop off significantly below 190 feet (Figure 11). A smaller drop occurs at 240 feet in S-02-09 (Figure 12). In both, a decline in the frequency and thickness of quartz-MoS_2 veins is responsible for lower grades. In S-02-08, grades average 0.123% MoS_2 between 20 – 160 feet and only 0.037% MoS_2 from 160 – 287 feet. S-02-09 averages 0.150% MoS_2 between 12 – 287 feet (bottom of the casing to end of hole), including 0.199% MoS_2 between 20 – 210 feet. A 60-centimetre thick seam of green clay gouge, identified at 208 feet in S-02-09, is tentatively correlated with the Southeast Fault.

S-02-10 was collared approximately 1225 feet southeast of S-02-09 and 500 feet north of S-02-04/05 (Figure 4). A vertical hole, S-02-10 intersected weakly altered and sheared EQM hosting a series of thin, moderately spaced quartz-MoS_2 veins and veinlets (Figure 13). Grades averaged 0.097% MoS_2 over the 305 feet sampled, including 0.128% MoS_2 between 40 – 200 feet downhole.

Immediately east of the Southeast Failure run-out, **S-02-11** intersected a series of thin quartz-MoS_2 veins and weakly mineralized shears in weakly to moderately kaolinized EQM (Figure 14). A couple of veins greater than 10 centimetres thick help to locally boost the grade. Intervening grades are quite low; the average from 21 – 317 feet is 0.095% MoS_2 and from 40 – 240 feet is 0.120% MoS_2.

Another vertical hole, **S-02-12**, was collared 195 feet southeast of S-02-11. Aplitic QFP dykes dominate from 225 feet to the bottom of the hole at 317 feet. Above 225 feet, weakly to moderately kaolinized EQM hosts a series of thin quartz-MoS_2 veins up to 15 centimetres thick (Figure 15). Grades are only 0.041% MoS_2 from 11 – 80 feet due to a lack of mineralized veins and associated kaolinization. Between 80 – 230 feet, strongly mineralized veins result in an average grade of 0.138% MoS_2. Below 230 feet, the average grade drops again to 0.061% MoS_2.

A second hole, **S-02-13**, was collared near S-02-11 and drilled at a –45° inclination toward 300° azimuth to partially test the zone rendered inaccessible by the Southeast Failure. An absence of veins from 18 – 190 feet suggests that the orientation of the hole is less than optimal to test flat to westerly dipping vein systems. Significant veining was intersected between 190 – 310 feet, falling off again to the end of the hole at 427 feet (Figure 16). No significant dyking was encountered. The interval from 18 – 190 feet averages 0.039% MoS_2, 190 – 310 feet averages 0.142% MoS_2, and 310 – 427 feet averages 0.048% MoS_2.

The easternmost hole, **S-02-14**, was collared approximately 260 feet southeast of S-02-10 and drilled at an inclination of –60° toward 155° azimuth. The hole intersected considerable QFP dyking and related shearing. Quartz-MoS_2 veining consists of finer veinlets and stockworks resulting in a more even distribution of grade throughout the hole. A few thicker, high-grade veins were identified between 230 – 260 feet. The average grade of the hole from 13 – 357 feet is 0.068% MoS_2, including 0.218% MoS_2 between 230 – 260 feet.

5.0 Conclusions and Recommendations

1. A diamond drill program consisting of 14 holes totaling 5166 feet or 1574.6 metres was completed in 3 phases between January and May, 2002. All 14 holes are located within the Endako Pit.

2. All drill core was assayed for MoS2. Core from drillholes S-02-01 to S-02-05 was split with half the core sent to the Endako assay lab and half stored for future reference. All core for drillholes S-02-06 to S-02-14 was sampled for analysis and metallurgical test work.

3. Ore grades were encountered in all 14 holes although the distribution of high-grade mineralization continues to be erratic. Thus, data from this program will be useful in further definition of potentially mineable zones below the current pit bottom and in the South Wall.

4. Molybdenite mineralization occurs mainly in discrete quartz veins and stockworks within weakly to strongly kaolinized Endako Quartz Monzonite and fractured Quartz-Feldspar Porphyry dykes. Minor MoS2 also occurs in quartz-kaolinite shears. Most MoS2 is concentrated along vein selvages and is easily liberated during crushing and grinding but a variable, fine-grained component called "black quartz ore" is difficult to recover.

5. Attempts to identify potential lower recovery zones in core logging were inconclusive. Standard bench-scale metallurgical tests were run to try to model zones of similar recovery.

6. A comprehensive evaluation of the economic viability of a pushback along the South Wall of the Endako Pit is ongoing.

Respectfully submitted,

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.J. WILD

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March 5, 2003

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Mine Engineer
March 12, 2003

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Appendix 1
2002 Program Expenditures

2002 EXPLORATION EXPENSES - ENDAKO MINES

	January 21 - February 15, 2002		DDH #'s:	S-02-01, 02 & 03
LDS		Drilling Supplies and Labour		$10,536.19
Wildrock	Jan 1 - Feb 5, 2002	Consulting		$ 1,491.33
Mine Expenses				
	Assay	*(Internal)*		$ 596.78
	Labour	*(core splitter...)*		$ 675.62
Subtotal				$13,299.92
Overhead	@ 10%		10% *of $ 13,299.92*	$ 1,329.99
Total				***$ 14,629.91***

	March 8 - March 31, 2002		DDH #'s:	S-02-04 & 05
LDS		Drilling Supplies and Labour		$19,939.00
Wildrock		Consulting		$ 2,455.46
Mine Expenses				
	Assay	*(Internal)*		$ 1,170.93
	Labour	*(core splitter...)*		$ 1,649.22
	Sperry Sun Rental			$ 150.00
Subtotal				$25,364.61
Overhead	@ 10%		10% *of $ 25,364.61*	$ 2,536.46
Total				***$ 27,901.07***

	Apr 21 - May 15, 2002		DDH #'s:	S-02-06 to 14
LDS		Drilling Supplies and Labour		$38,388.00
Wildrock	Jan 1 - Feb 5, 2002	Consulting		$ 4,273.72
Mine Expenses				
	Assay	*(Internal)*		$ 330.00
	Labour	*(core splitter...)*		$ 279.14
Subtotal				$43,270.86
Overhead	@ 10%		10% *of $ 43,270.86*	$ 4,327.09
Total				***$ 47,597.95***

SUMMARY GEOLOGICAL REPORT

Wildrock	January 2003	Consulting	***$ 1,000.00***

Total expenditures for Endako Mines 2002 DDH Program	***$ 91,128.93***

Appendix 2
Statement of Qualifications

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

1 I am a consulting geological engineer currently residing at #7 – 52 Lakeview Avenue, Williams Lake, British Columbia.

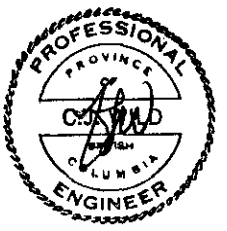
2 I am a graduate of the University of British Columbia, Geological Engineering, Mineral Exploration Option (1984).

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 most of the exploration activity and logged all the core documented in this report.

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



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

March 5, 2003

Appendix 2
Statement of Qualifications

I, Ian Thompson of Thompson Creek Mining, Endako Mines Division, Endako BC, do hereby certify that:

1. I am a mining engineer and currently hold the position of "Mine Engineer" with Endako Mines.
2. I am a Registered Member of the Association of Professional Engineers and Geoscientists of British Columbia (2002), and am a member of the Canadian Institute of Mining and Metallurgy (CIM)
3. I am a graduate of the University of British Columbia with a B.A.Sc. in Mining and Mineral Processing in 1989.
4. 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.
5. I personally participated in the planning and supervision of the diamond drill program.

Ian Thompson, P.Eng.
Mine Engineer.

March 12, 2003

Appendix 3
Tenure Information

Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
243450		140102	100	093K03E	Good Standing 2003.09.06	Omineca	36.92	ha	
243457		140102	100	093K03E	Good Standing 2003.09.23	Omineca	19.55	ha	
243458		140102	100	093K03E	Good Standing 2003.09.23	Omineca	18.52	ha	
243459		140102	100	093K03E	Good Standing 2003.09.23	Omineca	19.75	ha	
243460		140102	100	093K03E	Good Standing 2003.09.23	Omineca	20.9	ha	
243461		140102	100	093K03E	Good Standing 2003.09.23	Omineca	20.81	ha	
243462		140102	100	093K03E	Good Standing 2003.09.23	Omineca	0.73	ha	
243463		140102	100	093K03E	Good Standing 2003.09.23	Omineca	18.19	ha	
243464		140102	100	093K03E	Good Standing 2003.09.23	Omineca	18.84	ha	
243465		140102	100	093K03E	Good Standing 2003.09.23	Omineca	2.05	ha	
243466		140102	100	093K03E	Good Standing 2003.09.23	Omineca	7.12	ha	
243467		140102	100	093K03E	Good Standing 2003.09.23	Omineca	16.78	ha	
243468		140102	100	093K03E	Good Standing 2003.09.23	Omineca	17.26	ha	
243469		140102	100	093K03E	Good Standing 2003.09.23	Omineca	0.2	ha	
243470		140102	100	093K03E	Good Standing 2004.01.05	Omineca	20.19	ha	
243471		140102	100	093K03E	Good Standing 2004.01.05	Omineca	16.25	ha	
243472		140102	100	093K03E	Good Standing 2004.01.05	Omineca	0.09	ha	
243473		140102	100	093K03E	Good Standing 2004.01.05	Omineca	16.3	ha	
243474		140102	100	093K03E	Good Standing 2004.01.05	Omineca	2.06	ha	
237874	CO 30	140102	100	093K03E	Good Standing 2004.01.21	Omineca	8	un	1225
237875	CO 31	140102	100	093K03E	Good Standing 2004.01.21	Omineca	4	un	1226
238160	FRAN 101	140102	100	093K03E	Good Standing 2004.01.21	Omineca	4	un	41673
238163	CASEY 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	6	un	41671
238164	CASEY 4	140102	100	093K03E	Good Standing 2004.01.21	Omineca	9	un	41670
238356	MIST 22	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	41691
238357	MIST 23	140102	100	093K03E	Good Standing 2004.01.21	Omineca	4	un	41692
238358	MIST 24	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	41693
243569	BOOT NO.7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	229481
243575	MO NO. 9	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	269509
243578	ELK NO.1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376801
243579	ELK NO.2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376802
243580	ELK NO.3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376803
243581	ELK NO.8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376808
243582	ELK NO.9	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376809
243583	ELK NO.10	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376810
243584	ELK NO.11	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376811
243585	ELK NO.12	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	376812
243593	FRAN 1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415782
243594	FRAN 2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415783
243595	FRAN 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415784
243596	FRAN 4	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415785
243597	FRAN 5	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415786
243598	FRAN 6	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415787
243599	FRAN 7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415788
243600	FRAN 8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415789
243601	FRAN 9	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415790
243602	FRAN 10	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415791
243603	FRAN 11	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415792
243604	FRAN 12	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415793
243605	FRAN 13	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415794
243606	FRAN 14	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415795
243607	FRAN 15	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415796
243608	FRAN 16	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415797
243609	FRAN 17	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415798
243610	FRAN 18	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415799
243611	FRAN 19	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415800
243612	FRAN 20	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415801
243613	FRAN 21	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415802
243614	FRAN 22	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415803
243615	FRAN 23	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415804
243616	FRAN 24	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415805
243617	FRAN 25	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415806
243618	FRAN 26	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415807
243619	FRAN 27	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415808
243620	FRAN 28	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415809
243621	CO 1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415834
243622	CO 2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415835
243623	CO 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415836
243624	CO 4	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415837

Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
243625	CO 5	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415838
243626	CO 6	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415839
243627	CO 7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415840
243628	CO 8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415841
243629	TI 1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415830
243630	TI 2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415831
243631	TI 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415832
243632	FRAN 29	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415810
243633	FRAN 30	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415811
243634	FRAN 31	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415812
243635	FRAN 32	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415814
243636	FRAN 33	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415813
243637	FRAN 35	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415816
243638	FRAN 37	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415817
243639	FRAN 39	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415820
243640	FRAN 41	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415822
243641	FRAN 43	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415824
243642	FRAN 45	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415826
243643	FRAN 46	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415827
243644	FRAN 47	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415828
243645	FRAN 48	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	415829
243648	BINGO NO.1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438865
243649	BINGO NO.2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438866
243650	BINGO NO.3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438867
243651	BINGO NO.4	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438868
243652	BINGO NO.5	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438869
243653	BINGO NO.6	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438870
243654	BINGO NO.7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438871
243655	BINGO NO.8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438872
243656	BINGO NO.9	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438873
243657	BINGO NO.10	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438874
243658	BINGO NO.31	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438895
243659	BINGO NO.32	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438896
243660	BINGO NO.33	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438897
243661	BINGO NO.34	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438898
243662	BINGO NO.35	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438899
243663	BINGO NO.36	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438900
243664	BINGO NO.37	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438901
243665	BINGO NO.38	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438902
243666	BINGO NO.39	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438903
243667	BINGO NO.40	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	438904
243668	NU #7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	431657
243669	NU #8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	431658
243670	NU #9	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	431659
243671	NU #10	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	431660
243828	DAT #401	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466401
243829	DAT #403	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466403
243830	DAT #405	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466405
243831	DAT #406	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466406
243832	DAT #410	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466410
243833	DAT #411	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466411
243834	DAT #413 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466413
243844	AL #4 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	355959
243865	BAR 1A FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	479551
243866	TAN #2 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	479552
243880	MO NO. 6 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	499774
243881	TAN FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	475543
243883	MO #7 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	499775
243884	FRAN #2 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	499776
244013	ELK NO.9 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	479530
244225	ELK 8 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	617561M
244226	ELK 10 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	617622M
244227	ELK 11 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	617623M
244246	DOLLY 3 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	617896M
244247	DOLLY 4 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	617897M
244280	CO 25 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732243
244281	MIST 1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732222
244282	MIST 2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732221
244283	MIST 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732223

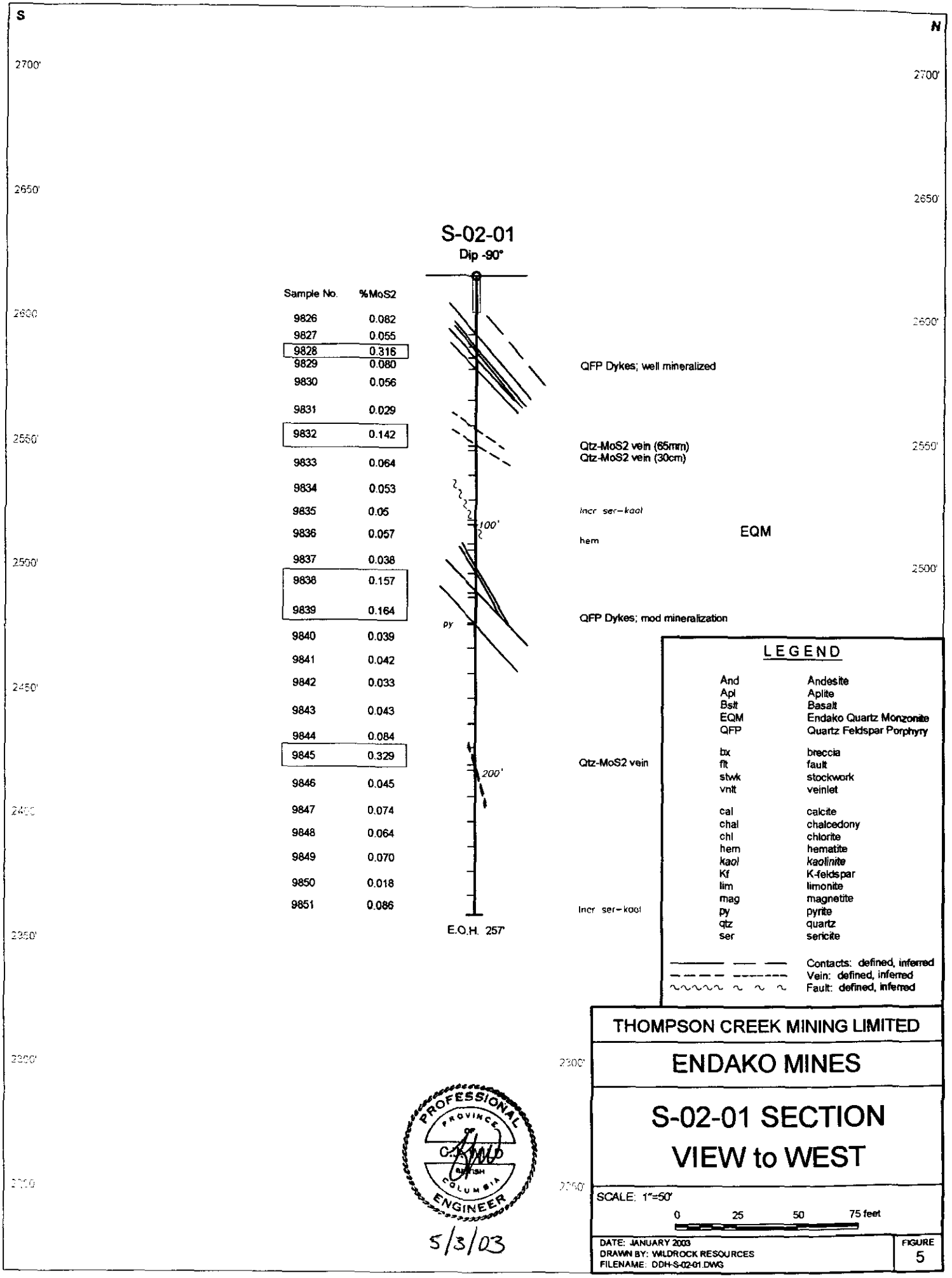
Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
244284	MIST 11	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732231
244285	MIST 12	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732232
244321	DOLLY 9 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732382
244322	DOLLY 10 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732385
244323	DOLLY 19	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732383
244324	DOLLY 20	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732384
244325	DOLLY 8 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	732381
244411	BINGO 41	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	863037
244412	BINGO 42	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	863038
244413	BINGO 43	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	863039
244414	BINGO 44	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	863040
244437	DOLLY 12 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	863050
244913	SAM 80	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879863
244914	SAM 81	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879864
244915	SAM 82	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879865
244916	SAM 83	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879866
244917	SAM 84	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879867
244918	SAM 85	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879868
244919	SAM 86	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879869
244920	SAM 87	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879870
244927	DAT 2 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879873
244928	DAT 3 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879874
244929	DAT 4 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879875
244930	DAT 5 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879876
244931	DAT 6 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879877
244932	DAT 7 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879878
244933	DAT 8 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879879
245643	BING 1	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259761M
245644	BING 2	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259762M
245645	BING 3	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259763M
245646	BING 4	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259764M
245647	BING 5	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259765M
245648	BING 6	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259766M
245649	BING 7	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259767M
245650	BING 8	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259768M
245651	BING 9 FR.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	259769M
245652	BING 10	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	91064M
245653	BING 11	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	91065M
304815	DAT #415	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466415
304864	DAT #416	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466416
307068	DIS 2 FRAC.	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	879860
307085	DAT #402	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466402
307086	DAT #404	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466404
307087	DAT #407	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466407
307088	DAT #408	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466408
307089	DAT #409	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466409
307090	DAT #412	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	466412
369667	ESMERALDA	140102	100	093K03E	Good Standing 2004.01.21	Omineca	1	un	689761M
243482		140102	100	093K03E	Good Standing 2004.01.29	Omineca	2.72	ha	
243483		140102	100	093K03E	Good Standing 2004.01.29	Omineca	15.08	ha	
243484		140102	100	093K03E	Good Standing 2004.01.29	Omineca	19.96	ha	
243485		140102	100	093K03E	Good Standing 2004.01.29	Omineca	20.85	ha	
243486		140102	100	093K03E	Good Standing 2004.01.29	Omineca	20.7	ha	
243448		140102	100	093K03E	Good Standing 2004.05.06	Omineca	164.53	ha	
237863	CASEY 1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	4	un	1224
237872	MIST 20	140102	100	093K03E	Good Standing 2005.01.21	Omineca	6	un	1223
237873	MIST 21	140102	100	093K03E	Good Standing 2005.01.21	Omineca	2	un	1222
238161	FRAN 102	140102	100	093K03E	Good Standing 2005.01.21	Omineca	2	un	41675
238162	FRAN 103	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	41674
243570	MO NO. 1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269501
243571	MO NO. 2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269502
243572	MO NO. 3	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269503
243573	MO NO. 4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269504
243574	MO NO. 8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269508
243576	TAN NO.1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269575
243577	TAN NO.2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	269576
243592	BAR 1 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	438837
243703	DEER #2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	454778
243704	DEER #5	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434781

Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
243705	DEER #6	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434782
243706	DEER #7	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434783
243707	DEER #8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434784
243708	DEER #3	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434779
243709	DEER #4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434780
243710	DEER #9	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434785
243711	DEER #10	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434786
243712	DEER #11	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434787
243713	DEER #12	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	434788
243714	PAT #1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396231
243720	PAT #7	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396237
243721	PAT #8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396238
243722	PAT #9	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396239
243723	PAT #10	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396240
243724	PAT #17	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396247
243725	PAT #18	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396248
243726	PAT #19	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396249
243727	PAT #20	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396250
243728	PAT #21	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396251
243729	PAT #22	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396252
243730	PAT #23	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396253
243731	PAT #24	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396254
243732	PAT #29	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396259
243733	PAT #30	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396260
243734	PAT #31	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396261
243735	PAT #32	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396262
243736	PAT #33	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396263
243737	PAT #34	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396264
243738	PAT #35	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396265
243739	PAT #36	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396266
243740	PAT #41	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396271
243741	PAT #42	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396272
243742	PAT #43	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396273
243743	PAT #44	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396274
243744	PAT #45	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396275
243745	PAT #46	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396276
243746	PAT #51	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396281
243747	PAT #52	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396282
243748	PAT #53	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396283
243749	PAT #54	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396284
243750	PAT #55	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396285
243751	PAT #56	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396286
243752	PAT #57	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396287
243753	PAT #58	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396288
243754	PAT #59	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396289
243755	PAT #60	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396290
243756	PAT #63	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396293
243757	PAT #64	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396294
243758	PAT #65	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396295
243759	PAT #66	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396296
243760	PAT #67	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396297
243761	PAT #68	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396298
243762	PAT #69	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396299
243763	PAT #70	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	396300
243764	PAT #71	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	329869
243765	PAT #72	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	330854
243766	PAT #77	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457119
243767	PAT #79	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457117
243768	DIS #29	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436132
243769	DIS #30	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436133
243770	DIS #31	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436134
243771	DIS #32	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436135
243772	DIS #33	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436136
243773	DIS #34	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436137
243774	DIS #35	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436138
243775	DIS #36	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436139
243776	PAT #97	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457137
243777	PAT #99	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457139
243778	PAT #101	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457141

Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
243779	PAT #103	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457143
243780	PAT #105	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457145
243781	PAT #107	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457151
243782	PAT #108	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457152
243783	PAT #109	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457153
243784	PAT #110	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457154
243785	PAT #111	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457155
243786	PAT #112	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457156
243787	PAT #113	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457157
243788	PAT #114	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457158
243789	PAT #116	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	457160
243835	DEER 3 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	355954
243836	DEER 4 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	355953
243837	AL #1 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	355956
243838	AL #2 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	355957
243843	AL #3 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	355960
244049	FRAN #4 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	479522
244175	DEER 5 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	617618M
244176	DEER 6 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	617618M
244255	PAT 130	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	732369
244256	PAT 131	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	732370
244257	PAT 132 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	732371
244258	PAT 133 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	732372
244665	VZ 2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970122
244667	VZ 4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970124
244672	VZ 9	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970129
244673	VZ 10	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970130
244682	BEN 1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970151
244683	BEN 2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970152
244684	BEN 3	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970153
244685	BEN 4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970154
244686	BEN 5	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970155
244687	BEN 6	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970156
244688	BEN 7	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970157
244689	BEN 8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970158
244690	BEN 9	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970149
244691	BEN 10	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	970150
244737	OVAL 1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879851
244738	OVAL 2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879852
244739	OVAL 3	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879853
244740	OVAL 4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879854
244741	OVAL 5	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879855
244742	OVAL 6	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879856
244743	OVAL 7	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879857
244744	OVAL 8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879858
244759	SAM 5	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863055
244760	SAM 6	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863056
244761	SAM 7	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863057
244762	SAM 8	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863058
244763	SAM 9	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863059
244764	SAM 10	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863060
244765	SAM 11	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863061
244766	SAM 12	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863062
244767	SAM 13	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863063
244768	SAM 14	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863064
244769	SAM 15	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863065
244770	SAM 16	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863066
244771	SAM 17	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863069
244772	SAM 18	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863070
244773	SAM 19	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863071
244774	SAM 20	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863072
244775	SAM 21	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863073
244776	SAM 22	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863074M
244777	SAM 23	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863075
244778	SAM 24	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863076
244779	SAM 25	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863077
244780	SAM 26	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863078
244781	SAM 27	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863079
244782	SAM 28	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863080

Tenure Number	Claim Name	Client Number	Percent Ownership	Map Number	Status as @ Jan 17,2003	Mining Division	# of Units	Unit Type	Tag Number
244783	SAM 29	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863081
244784	SAM 30	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863082
244785	SAM 31	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863083
244786	SAM 32	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	863084
244787	SAM 35	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879803
244788	SAM 36	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879804
244789	SAM 37	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879805
244790	SAM 38	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879806
244791	SAM 39	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879807
244792	SAM 40	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879808
244793	SAM 41	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879809
244794	SAM 42	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879810
244795	SAM 43	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879811
244796	SAM 44	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879812
244797	SAM 48	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879816
244798	SAM 49	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879817
244799	SAM 50	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879818
244800	SAM 51	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	879819
245325	CORA #1 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	421957
245326	CORA #2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	421958
245327	CORA #3	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	421959
245328	CORA #4	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	422259
245329	CORA #5	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	421960
245394	DAT 1	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	206644M
245395	DAT 2	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	206645M
245396	DAT 9 FR.	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	91047M
245888	ELK 13 FRACTIONAL	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	260350M
307036	DIS #26	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436129
307038	DIS #28	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	436131
382623	PAT 205	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	692515M
382624	PAT 206	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	692516M
382625	PAT 207	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	692517M
382626	PAT 208	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	692518M
382627	PAT 209	140102	100	093K03E	Good Standing 2005.01.21	Omineca	1	un	692519M
237841	FRAN 100	140102	100	093K03E	Good Standing 2006.01.21	Omineca	8	un	1216
237842	DOLLY 30	140102	100	093K03E	Good Standing 2006.01.21	Omineca	4	un	1217
237843	DOLLY 31	140102	100	093K03E	Good Standing 2006.01.21	Omineca	2	un	1218
237920	DENAK 1	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	1234
237921	DENAK 2	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	1235
243702	DEER #1	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	434777
243846	FRAN FR. #1	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	479493
243928	ELK #5 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	479532
243929	ELK #4 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	479499
244048	FRAN #3 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	479521
244249	FRAN 5 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	732219
244250	FRAN 6 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	732220
244251	FRAN 7 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	732367
244252	FRAN 8 FR.	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	732368
244664	VZ 1	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970121
244666	VZ 3	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970123
244668	VZ 5	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970125
244669	VZ 6	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970126
244670	VZ 7	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970127
244671	VZ 8	140102	100	093K03E	Good Standing 2006.01.21	Omineca	1	un	970128

Appendix 4
Drill Sections



PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

5/3/03

S

N

2700'

2650'

2600'

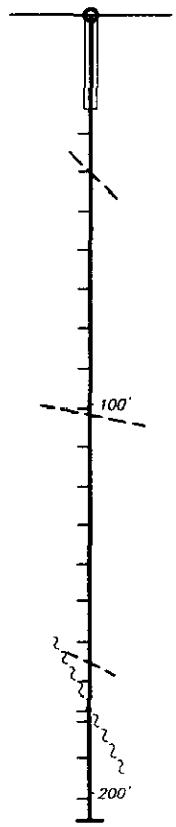
2550'

2500'

S-02-02

Dip -90°

Sample No.	%MoS2
9852	0.097
9853	0.063
9854	0.115
9855	0.058
9856	0.144
9857	0.075
9858	0.058
9859	0.067
9860	0.134
9861	0.094
9862	0.075
9863	0.074
9864	0.152
9865	0.053
9866	0.059
9867	0.079
9868	0.059
9869	0.053
9870	0.020



E.O.H. 207'

wk kaol

mod kaol

mod qtz-MoS2 veinlets

wk kaol

EQM

hem

hem

wk kaol

mod kaol

LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred

Vein: defined, inferred

Fault: defined, inferred

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C.J. WARD

5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

S-02-02 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-02.DWG

FIGURE 6

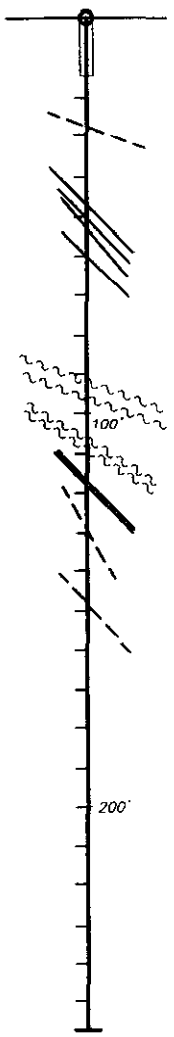
S

N

S-02-03

Dip -90°

Sample No.	%MoS2
9871	0.081
9872	0.043
9873	0.072
9874	0.039
9875	0.026
9876	0.052
9877	0.046
9878	0.079
9879	0.064
9880	0.048
9881	0.059
9882	0.056
9883	0.065
9884	0.086
9885	0.055
9886	0.020
9887	0.026
9888	0.041
9889	0.050
9890	0.017
9891	0.035
9892	0.029
9893	0.024
9894	0.034
9895	0.015



E.O.H. 257'

Qtz-MoS2 vein (20mm)

Apl (QFP) Dykes

hem

gougy

EQM

Apl (QFP) Dyke

Qtz, min MoS2 vein (20mm)

Weak shear zone, MoS2

weak kaol.

LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred

Vein: defined, inferred

Fault: defined, inferred

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C. Ford

5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

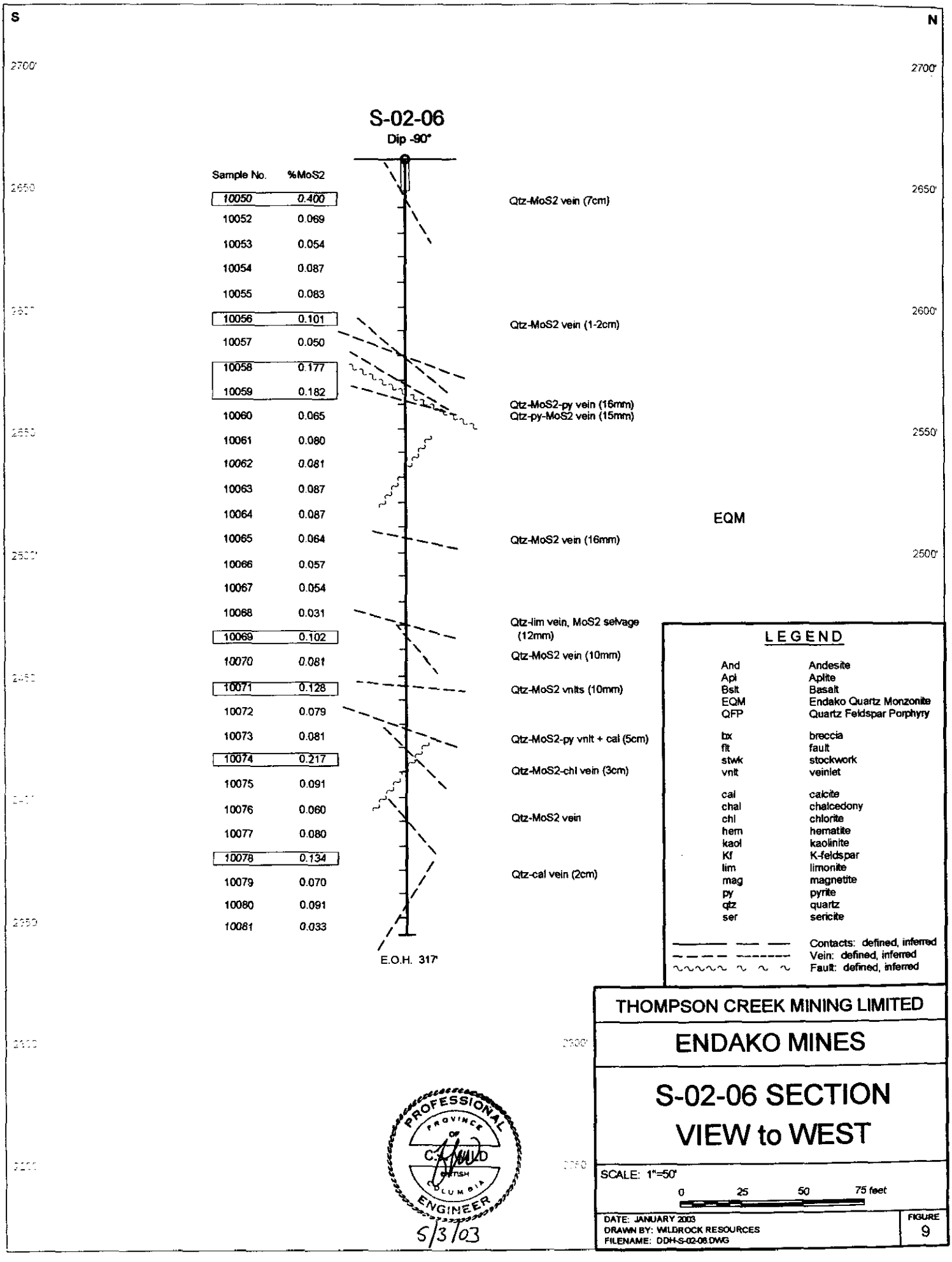
S-02-03 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-03.DWG

FIGURE 7



THOMPSON CREEK MINING LIMITED

ENDAKO MINES

S-02-06 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-06.DWG

FIGURE 9

S

N

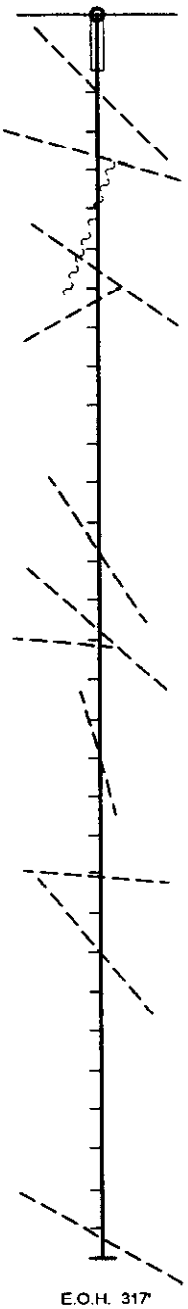
2700'

2700'

S-02-07

Dip -90°

Sample No.	%MoS2
10082	0.062
10083	0.126
10084	0.028
10085	0.095
10086	0.088
10087	0.496
10088	0.066
10089	0.048
10090	0.056
10091	0.033
10092	0.144
10093	0.087
10094	0.084
10095	0.054
10096	0.062
10097	0.222
10098	0.058
10099	0.446
10100	0.087
10101	0.037
10102	0.027
10103	0.130
10104	0.044
10105	0.101
10106	0.054
10107	0.052
10108	0.048
10109	0.030
10110	0.026
10111	0.014
10112	0.020



E.O.H. 317'

2650'

2650'

2600'

2600'

2550'

2550'

2500'

2500'

2450'

2450'

2400'

2400'

2350'

2350'

2300'

2300'

Qtz-MoS2 vein (3cm)

Qtz-MoS2 vein (22mm)

Ser-kaol-cal-MoS2 shear

Qtz-MoS2 vein (7cm)

Ser-kaol-py vein (8cm)

Qtz-MoS2 (cal) vnlt (12mm)

EQM

Mod kaol

Qtz-MoS2 vnlt (12mm)
Qtz-MoS2 vnlt (12mm)

Weak kaol

Strong kaol

Qtz-MoS2 vein (15cm)

Weak kaol

Qtz-MoS2 (py) vnlt (5-6mm)

Qtz-MoS2 vnlt (7mm)

Incr Kf

Qtz-MoS2 vnlt (8mm)

LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. [illegible]
5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

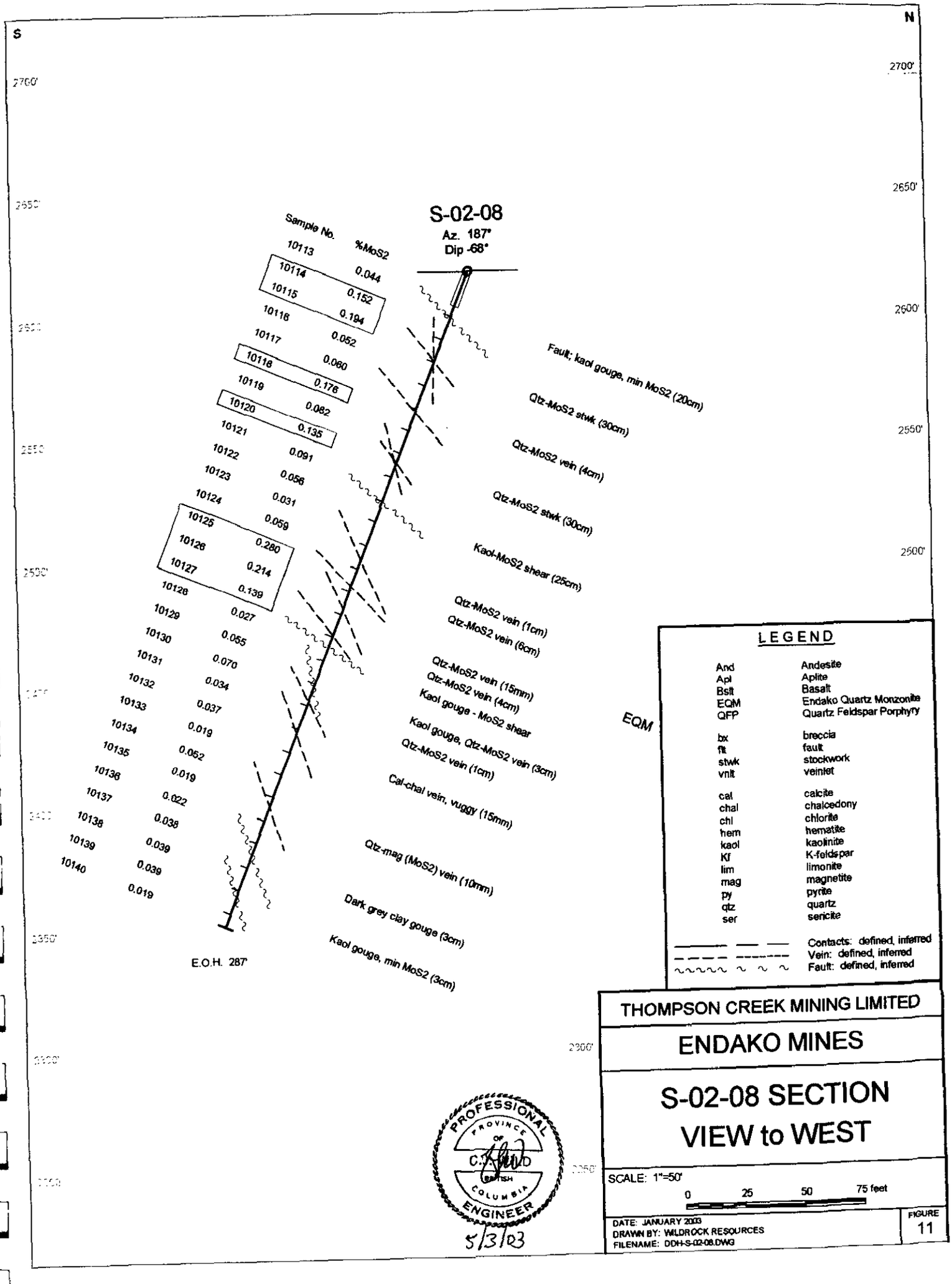
S-02-07 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-07.DWG

FIGURE 10



THOMPSON CREEK MINING LIMITED

ENDAKO MINES

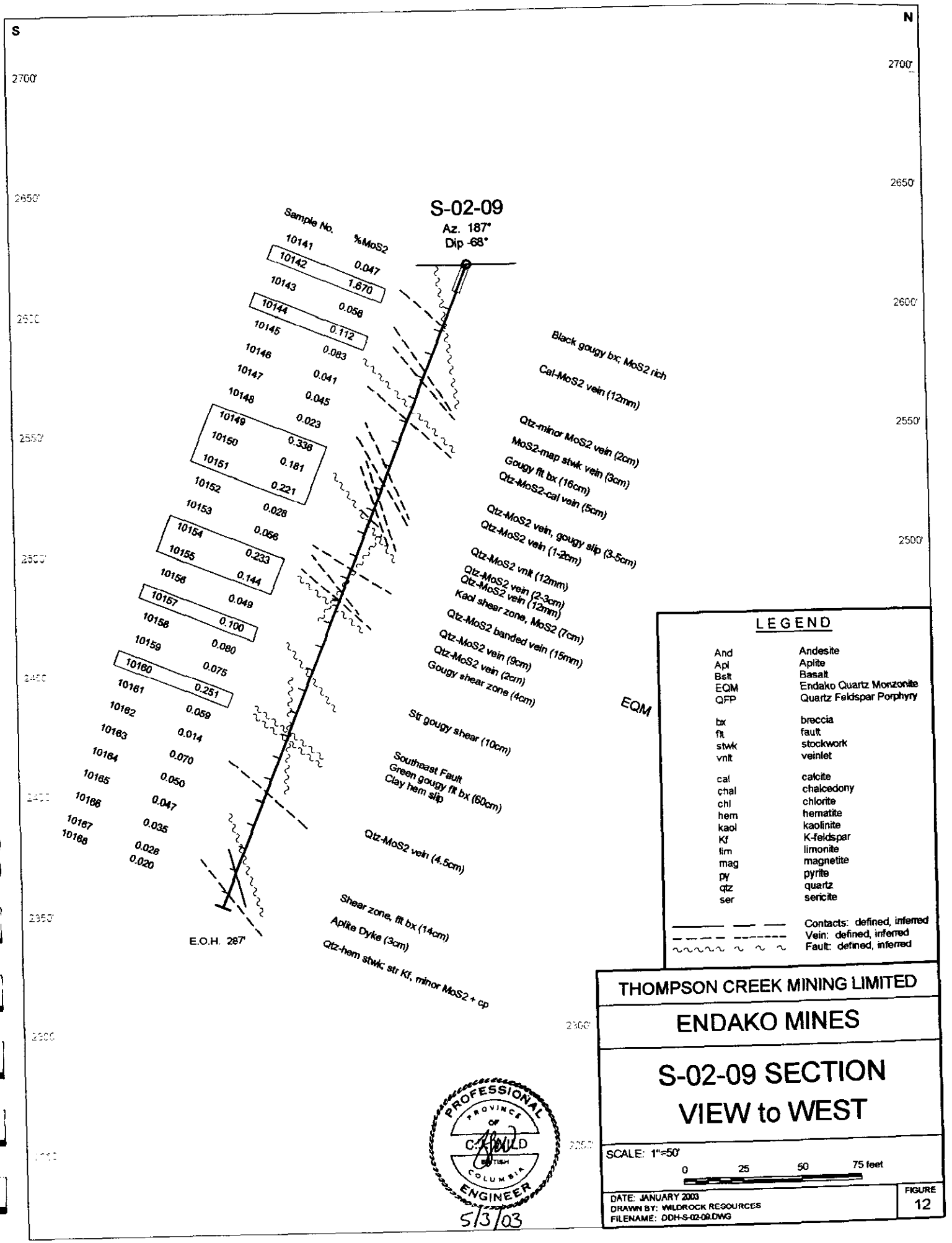
S-02-08 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-08.DWG

FIGURE 11


S
N
2700'
2650'
2600'
2550'
2500'
2450'
2400'
2350'
2300'
2250'
S-02-09
Az. 187°
Dip -68°
Sample No.
%MoS2
10141
10142 0.047
1.670
10143
10144 0.058
0.112
10145
10146 0.083
10147 0.041
10148 0.045
10149 0.023
10150 0.336
10151 0.181
0.221
10152
10153 0.028
10154 0.056
10155 0.233
0.144
10156
10157 0.049
0.100
10158
10159 0.080
10160 0.075
0.251
10161
10162 0.059
10163 0.014
10164 0.070
10165 0.050
10166 0.047
10167 0.035
10168 0.026
0.020
E.O.H. 287'
Black gougy bx; MoS2 rich
Cal-MoS2 vein (12mm)
Qtz-minor MoS2 vein (2cm)
MoS2-map stwk vein (3cm)
Gougy flt bx (16cm)
Qtz-MoS2-cal vein (5cm)
Qtz-MoS2 vein, gougy slip (3-5cm)
Qtz-MoS2 vein (1-2cm)
Qtz-MoS2 vnlt (12mm)
Qtz-MoS2 vein (2-3cm)
Qtz-MoS2 vein (12mm)
Kaol shear zone, MoS2 (7cm)
Qtz-MoS2 banded vein (15mm)
Qtz-MoS2 vein (9cm)
Qtz-MoS2 vein (2cm)
Gougy shear zone (4cm)
EQM
Str gougy shear (10cm)
Southeast Fault
Green gougy flt bx (60cm)
Clay hem slip
Qtz-MoS2 vein (4.5cm)
Shear zone, flt bx (14cm)
Aplite Dyke (3cm)
Qtz-hem stwk; str Kf, minor MoS2 + cp
LEGEND
And Andesite
Apl Aplite
Bslt Basalt
EQM Endako Quartz Monzonite
QFP Quartz Feldspar Porphyry
bx breccia
flt fault
stwk stockwork
vnlt veinlet
cal calcite
chal chalcedony
chl chlorite
hem hematite
kaol kaolinite
Kf K-feldspar
lim limonite
mag magnetite
py pyrite
qtz quartz
ser sericite
Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred
THOMPSON CREEK MINING LIMITED
ENDAKO MINES
S-02-09 SECTION
VIEW to WEST
SCALE: 1"=50'
0 25 50 75 feet
DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-09.DWG
FIGURE
12
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. [illegible] LD
5/3/03

S

N

2700'

2650'

2600'

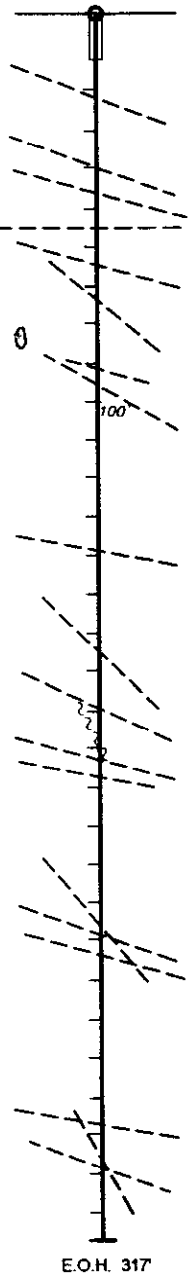
2550'

2500'

S-02-10

Dip -90°

Sample No.	%MoS2
10169	0.052
10170	0.079
10171	0.061
10172	0.339
10173	0.117
10174	0.165
10175	0.081
10176	0.035
10177	0.209
10178	0.055
10179	0.077
10180	0.057
10181	0.104
10182	0.054
10183	0.027
10184	0.182
10185	0.060
10186	0.274
10187	0.208
10188	0.071
10189	0.061
10190	0.052
10191	0.098
10192	0.076
10193	0.055
10194	0.025
10195	0.056
10196	0.065
10197	0.113
10198	0.043
10199	0.041



Qtz-MoS2 vnlt (12mm)

Qtz-MoS2 vnlt (12mm)

Qtz-MoS2 vein (2.5cm)

Qtz-MoS2 vein (1.5cm)

Qtz-MoS2 vein (>6cm)

Qtz-MoS2 vnlt (12mm)

Cal vein-bx (3cm)

Qtz-MoS2 vnlt (10mm)

Qtz-MoS2 vein (18mm)

EQM

Qtz-MoS2 vein (5cm)

Qtz-MoS2 vein (6.5cm)

Dark clay gouge bx (2cm)

Qtz-MoS2 vein (1-2cm)

Qtz-MoS2 stwk vein (15cm)

Qtz-MoS2 vein (4cm)

Qtz-MoS2 vein (1cm)

Qtz-MoS2 vein (12mm)

Qtz-MoS2-py vein (19mm)

Qtz-MoS2 vein (1cm)

Qtz-MoS2 vnlt with And dykelet (3cm)

LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred

Vein: defined, inferred

Fault: defined, inferred

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C. A. GOULD

5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

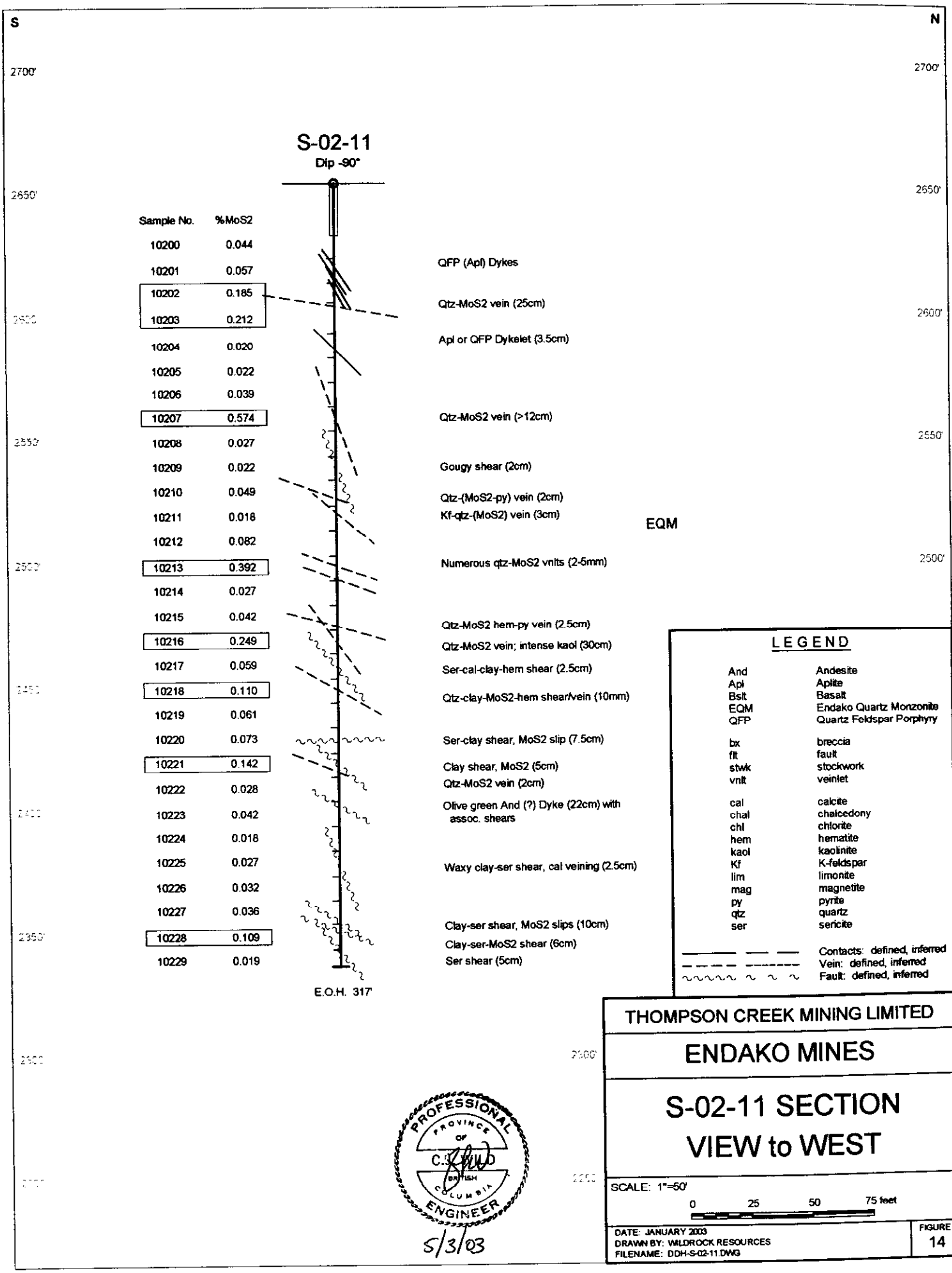
S-02-10 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-10.DWG

FIGURE 13


S
N
2700'
2650'
2600'
2550'
2500'
2450'
2400'
2350'
2300'
S-02-11
Dip -90°
Sample No. %MoS2
10200 0.044
10201 0.057
10202 0.185
10203 0.212
10204 0.020
10205 0.022
10206 0.039
10207 0.574
10208 0.027
10209 0.022
10210 0.049
10211 0.018
10212 0.082
10213 0.392
10214 0.027
10215 0.042
10216 0.249
10217 0.059
10218 0.110
10219 0.061
10220 0.073
10221 0.142
10222 0.028
10223 0.042
10224 0.018
10225 0.027
10226 0.032
10227 0.036
10228 0.109
10229 0.019
E.O.H. 317'
QFP (Apl) Dykes
Qtz-MoS2 vein (25cm)
Apl or QFP Dykelet (3.5cm)
Qtz-MoS2 vein (>12cm)
Gougy shear (2cm)
Qtz-(MoS2-py) vein (2cm)
Kf-qtz-(MoS2) vein (3cm)
EQM
Numerous qtz-MoS2 vnlts (2-5mm)
Qtz-MoS2 hem-py vein (2.5cm)
Qtz-MoS2 vein; intense kaol (30cm)
Ser-cal-clay-hem shear (2.5cm)
Qtz-clay-MoS2-hem shear/vein (10mm)
Ser-clay shear, MoS2 slip (7.5cm)
Clay shear, MoS2 (5cm)
Qtz-MoS2 vein (2cm)
Olive green And (?) Dyke (22cm) with assoc. shears
Waxy clay-ser shear, cal veining (2.5cm)
Clay-ser shear, MoS2 slips (10cm)
Clay-ser-MoS2 shear (6cm)
Ser shear (5cm)
LEGEND
And Andesite
Apl Aplite
Bslt Basalt
EQM Endako Quartz Monzonite
QFP Quartz Feldspar Porphyry
bx breccia
flt fault
stwk stockwork
vnlt veinlet
cal calcite
chal chalcedony
chl chlorite
hem hematite
kaol kaolinite
Kf K-feldspar
lim limonite
mag magnetite
py pyrite
qtz quartz
ser sericite
Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C.J. Ford
5/3/03
THOMPSON CREEK MINING LIMITED
ENDAKO MINES
S-02-11 SECTION
VIEW to WEST
SCALE: 1"=50'
0 25 50 75 feet
DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-11.DWG
FIGURE
14

S

N

2700'

2650'

2600'

2550'

2500'

2450'

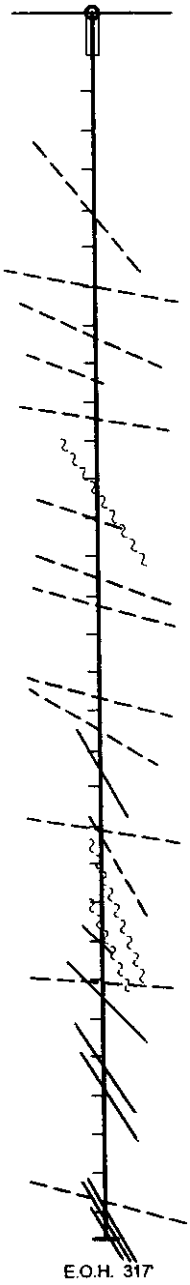
2400'

2350'

S-02-12

Dip -90°

Sample No.	%MoS2
10230	0.027
10231	0.041
10232	0.047
10233	0.022
10234	0.045
10235	0.067
10236	0.035
10237	0.226
10238	0.080
10239	0.149
10240	0.140
10241	0.081
10242	0.071
10243	0.143
10244	0.065
10245	0.067
10246	0.151
10247	0.059
10248	0.034
10249	0.032
10250	0.482
10251	0.289
10252	0.063
10253	0.046
10254	0.079
10255	0.046
10256	0.059
10257	0.049
10258	0.017
10259	0.111
10260	0.087



Qtz-MoS2 vein (1cm)

Qtz-MoS2 vein (1-2cm)

Qtz-MoS2 vein (9cm)

Apl (QFP) Dyke, uncertain orient. (84'-89')

Qtz-MoS2 vein, str kaol (15cm)

3 Qtz-MoS2 vnlts (6cm)

EQM

Clay-ser shear (4cm)

Qtz-MoS2 vein (14mm)

Qtz-MoS2 vein (1cm)

Qtz-MoS2 vein (1cm)

Qtz-MoS2 vein (5cm)

Hem stwk, minor MoS2 vein (6cm)

Apl (QFP) Dyke, 196.5'-197.5'

Qtz-MoS2 vein (3cm)

Qtz-MoS2 vein (1cm)

Qtz-MoS2 vein, clay shear (1cm)

Apl (QFP) Dyke; flt bx + gouge along contacts

Qtz-MoS2 vein (2.5cm)

Apl (QFP) Dyke

Qtz-MoS2 vein (12mm)

Apl (QFP) Dyke

LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred

Vein: defined, inferred

Fault: defined, inferred

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C.S. WILD
5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

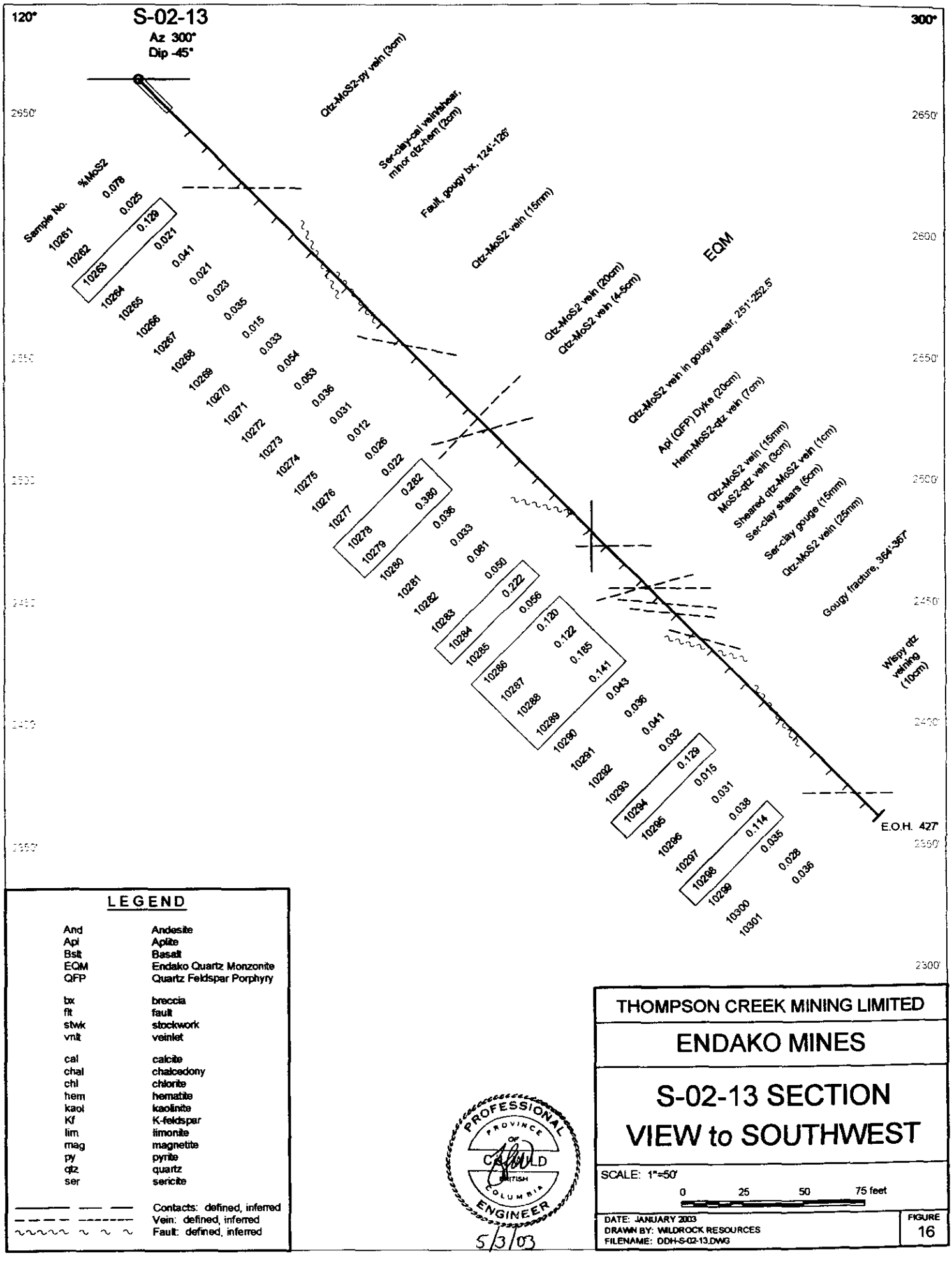
S-02-12 SECTION VIEW to WEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-12.DWG

FIGURE 15



LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred

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5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

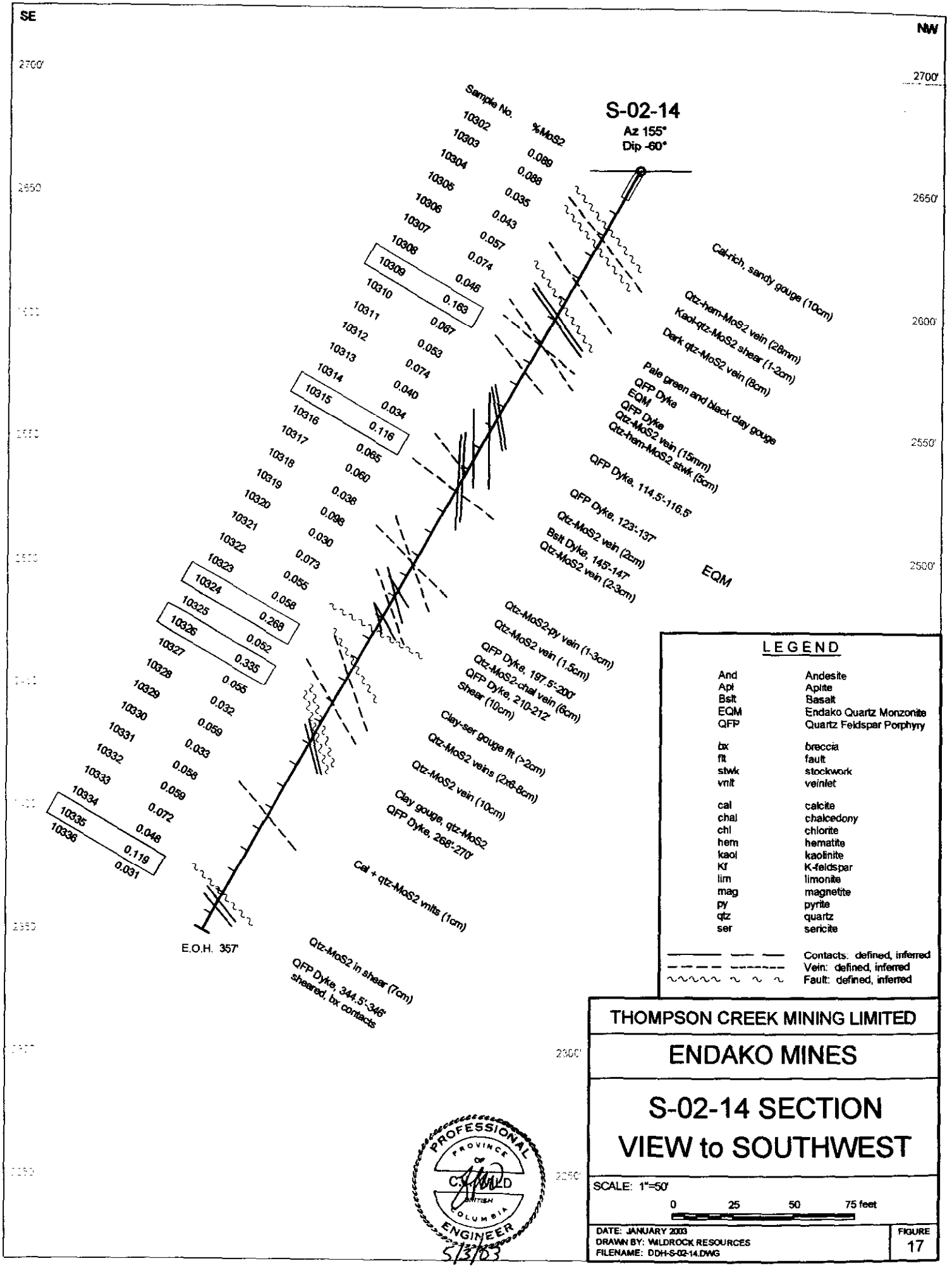
S-02-13 SECTION VIEW to SOUTHWEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-13.DWG

FIGURE 16



LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
5/3/03

THOMPSON CREEK MINING LIMITED

ENDAKO MINES

S-02-14 SECTION VIEW to SOUTHWEST

SCALE: 1"=50'

0 25 50 75 feet

DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-14.DWG

FIGURE 17

Appendix 5
Drill Logs

Section		ENDAKO MINES		Hole No.	S-02-01
				Sheet No.	1 of 4
Location	Endako Pit	Bearing	n/a	Latitude 29866.5N	Core Size NQ	Logged By C.J. Wild
Date Collared	January 23, 2002	Length	257 feet	Departure 28924.1E	Scale of Log	Date 28-Jan-02
Date Completed	January 23, 2002	Dip	-90	Elevation 2619.5 feet	Remarks In-pit drill program	

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		
						Cased to 15 feet.			10																		
				f-gr	6	**15-24': Aplite Dyke;** mottled brown to greenish pink, very f-gr with fine ragged mafics. Sharp, fractured lower	AP	sil	20			1mm	MoS2 assoc with fine qtz stringers throughout, steep to c.a.	KF	Brittle, mod to well-fractured. Dyke is well-mnl.				48%	15 17		100%	15-24	9826		0.082	
20	40	35	5	cgr	6	**24-28.7: Endako Quartz Monzonite**: sharp lower contact @ 40 to c.a. **28.7-30.1: Aplite Dyke;**	QM	wk kaol	30		21: 70 24.5: 70 26: 70 28: 40 28.7: 40	5mm 3mm 5mm 10mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2-py vein. Qtz-cal-min MoS2 vn.	none Str KF Str KF Mod KF	Coarse retro biotite apparent. 5mm py grain in vein assoc with MoS2.				33%	27		90%	24-28.7	9827		0.055	
						30.1-33: QM; mottled green & pink, c-gr, with retro bi. **33-37.5: Aplite Dyke**: brown to greenish.			40		30.1: 50-70	3cm	Banded qtz-cal-MoS2 vein. 30.2-30.3: irregular qtz-MoS2 stringers. 37: Fine rubble, fault		At contact. Aplite dyke mod mineralized with fine qtz-MoS2 stringers.				39%	37		80%	28.7-33 33-37.5	9828 9829		0.316 0.080	
						37.5-128.3: Endako QM; mottled, cream & orange; coarse grained to weakly por, KF to 1cm.			50		39: 35 & 60. 40: 75 43: 80 45: 50	1-5mm --- 6mm 3mm 2-3mm	39: Weak stwk of qtz-MoS2 & qtz vnlts. 40: Qtz-MoS2 (cal). 43: MoS2 (qtz) vnlt. 45: Qtz-cal-MoS2.	KF, sil --- KF,(bi) wk KF Str KF	QM becomes less fractured ~43'.				47%	47		95%	37.5-50	9830		0.056	
						56: 60 to c.a., grey qtz vein, 10mm thick. 57: 10mm cal-ser-py vnlt @ 65 to c.a. Also, dend Fe-Mn ox @ 30 to c.a.			60		46: 60 48.5: 40 50.4: 90 55: 60 55.5: 80	1mm 10mm 2mm 6mm <1mm	Sheared MoS2 on frac. Chl-hem frac, py bleb. Qtz-MoS2 vnlt. Grey qtz vein. Fine MoS2 stringer.	Str KF Str KF Str KF Kf-bi Kf-bi	50: Grey qv, 5mm, @ 80 to c.a. 51-54: Wk veining. 54-61: More sericitic.				69%	57		95%		9831		0.029	
						60.5: Ser-chl-hem shear @ 40 to c.a. 64.3-65.5: Qtz-MoS2 veins, later ser-cal, mainly @70-80 to c.a.			70		60.7: 65 61.5: 65 62: 55 67: 40 68: 60	10mm 29mm 65mm 60mm 30cm	Grey qtz vein. Grey qtz vein. Qtz-MoS2-py vein. Clay-ser shear. Qtz-MoS2 veins	Wk KF Wk KF KF ka-ser Str KF	68-69: Cut by cal-ser fractures @ 0-20 to c.a., minor offset.				72%	67		100%		9832		0.142	

Section						ENDAKO MINES																Hole No.	S-02-01		
																						Sheet No.	2	of	4
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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	80		71: 90 73: 25 74.5: 50 74.4: 40 78: 70	4mm 1mm 1mm 1mm 65mm	Qtz-MoS2 vein. Lots MoS2 on fracture. MoS2 vein. MoS2 on fracture. Qtz-MoS2 veins.	KF none KF none	Offset by several cal-kaol vnlts @ 0-30 to c.a. 76: Several hairline qtz-MoS2				78%	77		100%		9833		0.064	
						78-79: Pale green ser-kaol shears @ 30 & 70 to c.a.	QM	wk to mod kaol	90		80: 25 84: 70 85.5:70 86: 30 87: 50	2mm 3mm 3mm 1mm 1mm	Ser-hem-cal fractures. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Series ser-hem-cal frac.	none Str KF Str KF none KF	Several qtz-MoS2 stringers @ 70 to c.a.				55%	87		100%		9834		0.053	
						93-98: Increasing ser-kaol, numerous gougy slips @ 30-50 to c.a. 98-108: Brick orange, 10% pale green ser.	QM	wk to mod kaol	100		89: 80 90: 75 93: 75 96.5: 65 97: 60	7mm 3mm 2mm 1mm 5mm	Grey qtz vein. Qtz-MoS2 vein. MoS2 on fracture. Polished MoS2. Grey qtz vein.	wk KF mod Kf none none Str Kf	Cut bu strong ser-hem shear @ 10 to c.a. 98: Strong shear @ 20-30 to c.a.				85%	97		100%	90-98.5	9835		0.050	
						Bright orange, mottled green altn. Weakly fractured, minl? 109: Sharp decrease in ser-kaol.	QM	wk to mod kaol	110		108: 50	2mm	Ser-kaol gouge, MoS2.	sil	107.5-108: MoS2 remob along contact.				97%	107		100%	98.5-108	9836		0.057	
						109-114: Weak altn. 114-118: Mod Kf-ser. **118-119.5: Aplite Dyke**; pink, qtz-eye por. Lower contact @ 30 to c.a.	QM	wk to mod kaol	120		111: 80 113: 70 116: 70	1mm 2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 stringers. 118.5-119: MoS2 vnlts, stringers.	Str KF KF-bi KF	118-120.5 Strong MoS2.				83%	117		100%	108-119.5	9837		0.038	
						122-128.3: Weakly altered, little veining. **128.3-141: Aplite Dyke**; pink, mottled, f-gr, well-fractured.	QM Apl		130		120: 20 121: 15 122: 30 125: 60	2mm 1mm 1mm 1mm	Str MoS2 vein. Ser fracture w MoS2. Several ser fractures. Qtz-MoS2-ser vnlt.	wk KF ser ser wk KF	MoS2 stringers. Isolated grains. Possibly talcose.				61%	127		100%	119.5-128.3	9838		0.157	
						Numerous qtz-MoS2 vnlts and stringers, 1-2mm thick, forms weak stockwork.	Apl		140		132: 50 133: 60 139: 55	1-2mm 5mm 5mm	Qtz-MoS2 vnlt. Grey qtz vn, min MoS2. Qtz-MoS2 vein.	none ser Str KF	128.3: Dyke contact @ 45 to c.a., MoS2.				15%	137		95%	128.3-141	9839		0.164	
						141-257: Endako QM; mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	mod kaol	150		142: 60 147: 75 147: 65	2-3mm 8mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Py stringer.	Str KF Str KF Str KF	140.5: Cubic py on fracture. 141: Lower contact @ 30 to c.a.				54%	147		95%	141-150	9840		0.089	

Section							ENDAKO MINES																		Hole No.	S-02-01		
																									Sheet No.	3	of	4
Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
Qtz	Ptag	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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	160		151: 20 152: 50 153: 25 154: 60	1mm 1mm 7mm 2mm	Ser-kaol gouge. Two qtz-MoS2 vnlts. Qtz-MoS2-py vein. Qtz-MoS2 vnlt.	Str KF Str KF none Str KF	Weakly fractured, decreased qtz-MoS2. Incr ser, orange colour.				61%	157		100%		9841		0.042	
							QM	wk to mod kaol	170		165.5: 75 168.3: 45 170: 20	1-5mm 2-3mm 1-2mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlts. Ser-cal fracture.	Str KF KF ser	Weakly fractured, occ ser-cal fractures @ 20-30 to c.a.				62%	167		100%		9842		0.033	
						177-178.5: Fracture zone.	QM	wk to mod kaol	180		171.5: 90 173. 60 179: 45 180: 15	1mm 2-7mm 3mm 2mm	MoS2-cal-qtz vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt (cp). Cal-ser fracture	KF Str Kf Str KF ser	MoS2 on fracture @ 60, cuts qtz vnlt.				57%	177		100%		9843		0.043	
						Continuing weakly fractured with pale green ser-cal @ 10-30 to c.a.	QM	wk to mod kaol	190		184: 85 185: 75 187: 15 187: 30	2mm 2mm 2mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Ser slip, min MoS2. Qtz-MoS2 vnlt.	Str KF Str KF ser Str KF					26%	187		100%		9844		0.084	
							QM	wk to mod kaol	200		196: 65 198: 12 200: 20	1mm 6mm 2mm	MoS2 on dry fracture. Qtz-MoS2 vein. Ser-cal fracture.	none KF	197.7-199.5: Qtz-MoS2 vein @ 10-15 to c.a. Responsible for high grade.				57%	197		100%		9845		0.329	
						Increasing ser-cal fractures @ 10-30 to c.a.	QM	wk to mod kaol	210		202: 75 208: 70 208: 12	1mm 1mm 2mm	Qtz-MoS2 stringers. Qtz-MoS2 vnlt. Ser-cal fracture outs qtz-MoS2 vnlt.	Str KF Str KF	202: Qtz-min MoS2 vein, up to 8mm thick.				53%	207		100%		9846		0.045	
						Slight decrease in ser fractures; weak kaol altn, qtz-MoS2 veining.	QM	wk to mod kaol	220		211: 60 212: 70 219: 75	1mm 3-5mm 3mm	MoS2-cal-qtz vnlt. Qtz-MoS2 vnlts Qtz-MoS2 vnlts.	Str KF Str KF Str KF					52%	217		100%		9847		0.074	
							QM	wk to mod kaol	230		224: 80 225: 35 229: 35	1mm 1mm 2mm	Qtz-MoS2 vnlt. Ser-MoS2 slip. Qtz-MoS2 vnlt.	Str KF ser Str KK	Cuts pale grey qtz vn @ 70 to c.a.				64%	227		100%		9848		0.064	

ENDAKO MINES

Hole No. S-02-01

Sheet No. 4 of 4

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		
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF tg 1cm.	QM	wk to mod kaol	240		232: 60 233: 80 234.5: 60 238: 60 239: 10	1-2mm 2-5mm 15mm 4-8mm 2mm	Qtz-MoS2 vnlts, slips. Irregular MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2 vein. Ser-cal fracture.	Str KF none Str KF Str KF ser	230.5: Chl-ser shear @ 90, min MoS2. 231-232: KF-qtz flooded.				83%	237		100%		9849		0.070	
						Decreasing ser-cal fracturing, weaker kaol altn, competent core.			250		243: 40 245: 60	1-2mm 3mm	MoS2- cal fracture. Qtz-MoS2 vnlt	ser Str KF				87%	247		100%		9850		0.018	
						Becoming somewhat more sericitic (Kaol) below 255'.			257		251: 75 252.5: 70 253: 30 255: 70 256: 40	3-4mm 2mm 7mm 3-5mm 2mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlts. Cal vein. Qtz-MoS2 vnlt. MoS2 on fracture.	Str KF Str KF none Wk KF none	Greasy MoS2.				82%	257		100%		9851		0.086	
						257': END OF HOLE																					

Wildrock Resources Consulting & Drafting

Section		ENDAKO MINES			Hole No.	S-02-02		
					Sheet No.	1	of	3
Location	Endako Pit	Bearing	n/a	Latitude	30247.9N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	January 24, 2002	Length	207 feet	Departure	28092.4E	Scale of Log		Date	29-Jan-02
Date Completed	January 24, 2002	Dip	-90	Elevation	2629.5 feet	Remarks	In-pit drill program		

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		
						Cased to 24 feet.			20																			
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	30		24.5: 70 26: 60	6mm 1-2mm	Qtz-MoS2 vein. Qtz-MoS2 vnlts.	Str KF Str KF	24-26: Rubble. 26-32: Well-fractured, locally gougy.				0%	24 27		100%		9852		0.097	
						Becoming less fractured, not strongly altered.	QM	wk to mod kaol	40		35: 60 36: 60 36: 40 40: 75	4-6mm 3mm 1mm 2mm	Qtz-MoS2 vein. Qtz-MoS2 vnlts. Py on fracture. Qtz-MoS2 vnlt.	Str KF Str KF none Str KF					15%	37		95%		9853		0.063	
						48: Ser-cal fracture vnlt @ 20 to c.a.	QM	wk to mod kaol	50		40.5: 55 43: 65 45.5: 65 46: 70 47: 70	2-5mm 2mm 1-2mm 1-2mm 1mm	MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Py vnlt, cuts qtz vnlt. MoS2 vnlt.	Wk KF Str KF Str KF Wk KF none	Irregular; note blebby MoS2 along poorly defined KF vein.				80%	47		100%		9854		0.115	
							QM	wk to mod kaol	60		52: 15 53: 70 54: 75 59: 18	2-3mm 1-2mm 3-8mm 2-3mm	Ser-cal fractures. Qtz-MoS2 vnlts-3 Qtz-MoS2-cal vnlt Ser-kaol-cal gouge	ser Str KF Str KF ser					78%	57		100%		9855		0.058	
						Slightly softer, more kaol-sericite. Appears to be higher grade.	QM	wk to mod kaol	70		61: 10 65: 20 67: 65 67: 55 67.5: 60	2mm 2mm 2mm 6mm 5mm	Ser-cal fracture. Ser-cal fracture. Qtz-MoS2-cal vnlt. Qtz-cal vein. Qtz-MoS2 vein	ser ser Wk KF Wk KF Str KF	69: Pink Aplite dykelet, 15mm thick, no chill margins, @ 60 to c.a.				76%	67		100%		9856		0.144	
						Continuing softer, dark green tinge.	QM	wk to mod kaol	80		71: 90 72.5: 65 73.5: 60 75.5: 85 79: 60	1mm 10mm 1-2mm 3-4mm 1mm	Black clay slip. Qtz-cal-MoS2 vein. MoS2 vnlt. Qtz-cal-MoS2 vein. MoS2 vnlt.	clay none none Wk KF none	Several low angle sericitic fractures.				62%	77		95%		9857		0.075	

Section							ENDAKO MINES																Hole No.	S-02-02		
																							Sheet No.	2	of	3
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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	90		81.5: 65 84: 65 & 80 85: 60 85.5: 75	2mm 1mm 1mm 1mm 1mm	Qtz-MoS2 vnlt. MoS2 slicks. MoS2 slicks. MoS2 vnlt. MoS2-py vnlt	Str KF none none none none	87-92: Mod to well-fractured.				53%	87		100%		9858		0.053	
						91: 6" of fractured white qtz veining, fine blebby MoS2.	QM	wk to mod kaol	100		98: 90	1mm	MoS2 vnlt, unsheared.	none	95-98: Well-fractured.				35%	97		100%		9859		0.067	
						101-102: Series of qtz veins, 3-12mm thick, only minor assoc MoS2, @ 80 to c.a.	QM	wk to mod kaol	110		102: 10 105: 85 106: 55 108: 42 109.5: 75	2mm 1mm 7mm 5mm 1mm	Ser-cal fracture. MoS2 vnlt, unsheared. Qtz-MoS2 vnlt. Qtz-MoS2 stwk. MoS2 vnlt.	ser none Str KF Str KF none	102-105: ser fracture subparallel to c.a.				55%	107		100%		9860		0.134	
						118: MoS2 vnlt, 1mm thick @ 65 to c.a.	QM	wk to mod kaol	120		111.5: 60 112: 50 114: 30 115: 80 116: 60	1mm 2mm 2mm 2mm 2mm	MoS2 vnlt, unsheared. Qtz-MoS2 vnlt. Gougy ser-kaol. Qtz-MoS2 vnlt. Black clay gouge.	none Wk KF ser Wk KF					83%	117		100%		9861		0.094	
						Solid, competent core.	QM	wk to mod kaol	130		123.5: 60 127: 80 129: 20	1mm 1mm 1mm	MoS2 vnlt. Qtz-MoS2-py vnlt. Ser-cal-py fracture.	none none ser					91%	127		100%		9862		0.075	
							QM	wk to mod kaol	140		130: 15 132: 5 135.5: 70 136: 60 138: 65	1mm 1mm 2-5mm 2mm 2mm	Dk green chl-ser frac. Pale gn ser-chl frac. Qtz-MoS2 vnlts. MoS2-qtz-cal vnlt. MoS2-qtz vnlt.	ser-chl ser-cal Str KF Str KF Str KF					71%	137		100%		9863		0.074	
							QM	wk to mod kaol	150		140: 85 145: 55 145: 70 147: 30	2mm 7mm 2-4mm 4mm	MoS2-qtz vnlts. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Black clay gouge.	Str KF Str KF Str KF clay					71%	147		100%		9864		0.152	
						159-165.5: Bright orange hematite stain, highlights KF phenos. 5% cal in matrix, sericitized.	QM	wk to mod kaol	160		152: 60 152.5: 70 156: 35	1mm 5mm 1-2mm	MoS2 on fracture. Grey qtz vein, wk MoS2. Qtz-MoS2 vnlt.	none Str KF Wk KF	Qtz-MoS2 vnlts appear to be thinner, decreasing frequency.				69%	157		100%		9865		0.053	

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Section		ENDAKO MINES	Hole No.	S-02-02		
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Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities						Recovery		Assay Results			
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 (Combined)
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	170		164: 70 165: 60 167: 85 168: 50	1mm 1mm 2-3mm 7mm	Qtz-MoS2 vnlts (3). MoS2 vnlt. Grey qtz, MoS2? Grey qtz, min MoS2.	none none ser Str KF	Orange to 165.5. 164-165: Str MoS2 section.				97%	167		100%		9866		0.059	
						172-184: Orange hem altn, as above. 177: 40cm shear zone @ 60-80 to c.a., cal-clay-ser.	QM	wk to mod kaol	180		170: 30 170: 50 174: 45 179.5: 60	2mm 1-2mm 1-2mm 20mm	Pale ser gouge. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts, >3. Green gouge.	ser KF? Str KF ser	Vnlt at base of ser shear. Dark grey qtz-MoS2 and grey qtz vnlts.				48%	177		100%		9867		0.079	
						184-198.5: Hard, very weakly altered and fractured QM.	QM	wk to mod kaol	190		181: 30 186: 80 186: 70 187: 40	<1mm 4mm 7mm 1-2mm	Hem fracture, planar. Qtz-cal-MoS2 vnlt. Qtz-cal-MoS2 vnlt. Qtz-MoS2 vnlts	hem Wk KF Wk KF Str KF					78%	187		100%		9868		0.059	
						Solid, weakly altered core, sharp change at 199'.	QM	wk to mod kaol	200		195: 70 196: 65 197: 70 197: 85 199: 50	<1mm 27mm 1mm 1mm 20m	MoS2, min lim. Pale grey qtz vein. MoS2 vnlt, fracture. MoS2 vnlt, fracture. Dark grey clay gouge.	none none none none kaol	Increased kaol altn bellow shear @ 199'.				85%	197		100%		9869		0.053	
						More fractured, locally crumbly below 199'. Only minor qtz veining, rare MoS2.	QM	wk to mod kaol	207		201: 0 - 10 205: 40	1-2mm -------- 1mm	Gougy ser fractures. -------------------- Ser-MoS2 on weak shear plane.	ser ----- ser	Much lower grade.				47%	207		100%		9870		0.020	
						207': END OF HOLE																					

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					Sheet No.	1	of	4
Location	Endako Pit	Bearing	n/a	Latitude	30012N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	January 25, 2002	Length	257 feet	Departure	28673E	Scale of Log		Date	30-Jan-02
Date Completed	January 25, 2002	Dip	-90	Elevation	2575.9 feet	Remarks	In-pit drill program		

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		
						Cased to 15 feet.			10																		
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	20		16: 60 18.5: 50	5cm 1mm	Grey qtz vein, min py. Qtz-MoS2 stringer.		Trace MoS2, dark f-gr hem?				0%	15 17		100%		9871		0.081	
						Strongly sericitic.			30		24: 50 26: 70 26: 45 28: 70 30: 35	1mm 9mm 3mm 20mm 2mm	MoS2 on fracture. Qtz-MoS2 vein. Ser-Kaol gouge. Banded qtz-MoS2 vein.	none none ser none ser	Cal vnlt @ 45 c.a.				55%	27		100%		9872		0.043	
						30-32: Mod fractured.			40		33: 45 36: 40 37: 70 38: 75	5mm 4mm 1mm 6mm	Qtz-MoS2 vnlt. Ser-kaol gouge. MoS2 on fractures. Qtz-MoS2 vein.	Str KF ser none Str KF					48%	37		97%		9873		0.072	
						47-50: Aplite Dyke; brecciated, f-gr pink. Clast-supported in calcite matrix. Dyke @ ~45 to c.a.			50		42: 10 45: 40 50: 45	2mm 1-2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Polished clay-MoS2?	Str KF Str KF ser					60%	47		93%		9874		0.039	
						52-60: Aplite Dyke: strongly fractured, gougy upper contact @ 40 to c.a.			60		57: ?	1mm	Qtz-MoS2 vnlt.	none	Very minor veining.				34%	57		80%		9875		0.026	
						67: 10cm breccia zone intruded by several 1-5mm qtz-MoS2 vnlts. 67-70: Breccia, likely a partially healed fault.			70		65: 50	1mm	MoS2 on fractures.	none	67-70: Pale green, sericitic-looking, QM & aplite clasts.				6%	67		82%		9876		0.052	

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																	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	Stickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	80		71: 65 78: 50	3cm 1mm	Banded grey qtz vn. MoS2 on fracture.		70-77: Strongly sheared, altered, locally bx'd. 78-80: Well-fractured.				86%	77		93%		9877		0.046	
						87-: Becoming orange-coloured, strongest uphole.	QM	wk to mod kaol	90		81: 80 82: 70 84: 75 87.5: 45	5mm 1mm 25mm 1mm	Qtz-MoS2 vnlt. MoS2 on gougy shear. Banded qtz vein, MoS2. MoS2 on fracture -	none none ser none	Decreasing sericitic fractures.				46%	87		92%		9878		0.079	
						92: 4-5cm black & green clay-ser fault gouge @ 60-80 to c.a.	QM	wk to mod kaol	100		93: 30 94: 60 95: 70 97: 40 100: 30	2mm 17mm 25cm 7mm 6mm	Sericite gouge. Pale grey qv, min MoS2. Black clay-ser gouge. Ser-clay-cal gouge.	ser ser, KF ser str ser str ser					58%	97		91%		9879		0.064	
						Continuing quite orange. 106.5-107.75: Shear Zone; polished contact @ 60 to c.a.; str ser-cal gouge, bx.	QM	wk to mod kaol	110		104: 40 104: 60 110: 60	1-3mm 3mm 1-2mm	Qtz-MoS2 sin vnlt. Ser-clay shear. Planar qtz-MoS2 vnlt.	Wk KF ser none					81%	107		100%		9880		0.048	
						117-118: Aplite Dyke; unfractured, sharp unchilled contacts @ 45 to c.a.	QM	wk to mod kaol	120		111: 50 112.5: 65 113: 55 115: 75 118: 65	1mm 2-3mm 1mm 7cm 1mm	Mushy MoS2 on frac. Qtz MoS2 vnlt. Min MoS2, ser frac. Gougy ser-cal flt bx. MoS2 on fracture.	none weak ser str ser none	Strong sericitic shear @ 70 to c.a., 10cm below dyke.				60%	117		100%		9881		0.059	
						124.5-125: Pale green sericite-cal shear zone; upper slip @ 45, lower @ 55 to c.a. Locally bx'd.	QM	wk to mod kaol	130		121: 60 126: 60 127: 30 129: 30	2mm 1mm 2-3mm 20mm	Qtz-MoS2 vnlt. MoS2 on slip plane. Ser-hem shear plane. Qtz vein, min MoS2	Wk KF ser ser Wk KF	Numerous ser slips @ 30 to c.a.				50%	127		100%		9882		0.056	
						135: Irregular MoS2 vnlts, partially cutting pale grey qtz vein.	QM	wk to mod kaol	140		131: 60 131: 60 132: 15 137: 65 138: 65	2-3mm 10mm 6mm 2-5mm 2mm	Qtz-hem vnlt, MoS2? Qtz-MoS2 vein. Qtz, min MoS2 vein. Frac qtz-MoS2 vein. Str MoS2-qtz vnlt.	KF KF KF none none	138.5: Sericitic shear, MoS2 along upper slip plane @ 45 to c.a.				71%	137		100%		9883		0.065	
						141-142: Considerable shearing with assoc MoS2.	QM	wk to mod kaol	150		143: 60 143: 80 145: 85 147: 20 149: 45	9mm <5cm 7mm 1-2mm 18mm	Str ser gougy shear. Irreg qtz-MoS2 vein. Str ser gougy shear. Ser-cal-MoS2 vnlt. Ser-cal shear, MoS2	ser Str KF ser ser	149: MoS2 on upper slip plane.				92%	147		100%		9884		0.086	

Section						ENDAKO MINES																		Hole No.	S-02-03		
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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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	160		154: 80 --------- 157: 15 159: 25 160: 30	2mm ------- <1mm 1mm 1-5mm	Polished MoS2 at base of shear zone. Ser on fracture. Ser-hem on fracture. Cal in tension gashes.		152-154: Clay-altered section. Continuing to become harder, less altered.				76%	157		98%		9885		0.055	
						162-165: Pink-orange altn around ser slips and qtz stringers.			170		164: 65 167: 80 167.5: 25 167.5: 48 168: 30	3cm 5mm 1-2mm 12mm 2mm	Ser shear, dyke? Str ser slip. Qtz-MoS2 vnlt. Qtz vein, ser slip. Qtz-MoS2 vnlt, ser		Much lower grade to bottom.				81%	167		100%		9886		0.020	
						173-180: Hard, rel unaltered QM, weakly fractured.			180		171.5: 15 173: 75	5-10mm 1mm	Ser-clay gouge. MoS2 on fracture.						62%	177		100%		9887		0.026	
						Hard, weakly altered (argiltic), weakly fractured.			190		180: 75 183: 30 184: 20 189: 70	1mm 2mm 1mm 1mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Ser fracture. Qtz MoS2 vnlt.						49%	187		100%		9888		0.041	
						As above.			200		193: 80 197: 20 198: 25	1mm 1mm 2mm	Qtz- MoS2-py vnlt. Str ser fracture. Str ser fracture.						89%	197		100%		9889		0.050	
						As above.			210		203: 10 209: 20	5mm 1mm	Str ser-hem fracture. Ser-hem fracture.		209: MoS2 bleb, assoc with tiny qtz stringer.				77%	207		100%		9890		0.017	
						As above.			220		212: 30 218: 40 219: 30	1mm 1mm 1mm	Ser-hem fracture. Ser-hem fracture-gougy. Ser-hem fracture.						82%	217		100%		9891		0.035	
						As above. 222: 3-4cm ser-chl-cal shear zone, bx'd qv's; @ 15 to c.a.			230		221.5: 90 221.5: 15 228: 85 228.5: 40	16mm 5mm 3-4mm 5mm	White qv. Grey qv. Grey qv. Str gougy ser shear.		Several weakly gougy sericltic slips @ 20-40 to c.a.				75%	227		100%		9892		0.029	

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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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	240		233: 50 233.5: 75 -------- 234.5: 75 239.5: 90	1mm 2-10mm ------ 1mm	Sheared ser-hem. Series of qtz vns, min MoS2 along selvages. Qtz-MoS2 stringers. Grey qv.	------ Str KF	231.5: 2.5cm shear zone, ser-cal-clay @ 70 to c.a. Sheared MoS2 grains.				47%	237		100%		9893		0.024	
						Weakly altered, fractured.			250		242: 25 243: 85 245: 40 248: 45 250: 30	13mm 1-2mm 1-2mm 1mm 1mm	Aplite dykelet. Qtz-MoS2 vnlt. Str ser-hem shear. Weak qtz-MoS2 vnlt. Ser-hem fracture-slip.	none Str KF ser Str KF ser	Minor MoS2, thin.				75%	247		100%		9894		0.034	
						250-252: Cal-ser vnlt @ 5 to c.a.			257		253: 55 255: 30 256: 75 257: 60	1mm 1mm 5mm 1mm	Ser-hem fracture-slip. Qtz-py vnlt, discont. Glassy qtz vnlt. Ser-hem slip, bottom of last piece of core	ser-KF none none ser	Very minor MoS2.				86%	257		100%		9895		0.015	
						257': END OF HOLE																						

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						Sheet No.	1	of	10
Location	Endako Pit	Azimuth	347°	Latitude	28887.7N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	March 12, 2002	Length	777 feet	Departure	28602.8E	Scale of Log		Date	16-Mar-02
Date Completed	March 15, 2002	Dip	-56°	Elevation	2970.4 feet	Remarks	Test South Wall Pushback, S-813		

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	Matic	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				
						Cased to 14 feet.			10																				
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	20		16: 15 18.5: 80	<1mm 1-2mm	Ser-hem on fracture. Qtz-MoS2 vnlt.	----- Kf	Mod fractured with ser-hem on most.				69%	14 17		100%		9972 0.03		0.020	
						Competent QM, rel wkly fractured. 25-26: Minor fault; qtz-cal-hem vnlts; gougy rubble.	QM	wk kaol	30		20: 20 21: 60 26: 10	1mm 4mm 4cm	Ser-hem on fracture. Cal-hem qtz-MoS2. Fault; rubbly gouge.	---- none						50%	27		88%		9973 0.03		0.026	
						Competent, weakly altered QM.	QM	wk kaol	40		30: 75 32: 20 35: 75 36: 80	1-3mm 1mm 8mm 4mm	Qtz-py-MoS2 vnlts. Cal-ser fracture. Qtz-py-MoS2 vein. Cal-py-hem vnlt.	none cal none none						74%	37		100%		9974 0.03		0.045	
						As above.	QM	wk kaol	50		43: 75 47: 70 48: 75 50: 15	10mm 1mm 1-2mm 1cm	Qtz-hem-py-MoS2. Qtz-MoS2 stringers. Qtz-MoS2 vnlt. Cal rubble fault.	none	3 parallel vnlts.					73%	47		100%		9975 0.03		0.048	
						Increasing fracturing.	QM	wk kaol	60		53: 80 55: 45 59: 85	1mm 5cm 2-4mm	Qtz-MoS2 stringers. Cal-ser gogue-flt. Two qtz-MoS2 vnlts.	none	Weak. Min fault.					34%	57		95%		9976 0.03		0.059	
						Moderately fractured.	QM	wk kaol	70		66: 30 68: 75	5mm 1mm	Ser-cal shear. MoS2 on fracture.	ser						39%	67		98%		9977 0.02		0.050	

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Section							ENDAKO MINES																Hole No.	S-02-04		
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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	Stickensides Core angle	RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	%MoS2	%MoS2		
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	mod kaol	80		72: 80 76: 75 79: 40	45cm 3.5cm 2mm	Qtz-ser-py-hem vein. Qtz-ser-hem-py vein. Qtz-MoS2 vnlt.		Flooding from qtz-hem core.				29%	77		100%		9978		0.037	
																								0.03			
						Fracturing decreasing gradually.		mod kaol	90		83: 50 83.5: 30 87: 10 90: 30	5mm 8mm 1mm 2mm	Clean white cal vein. Grey gouge. Ser-cal fracture. Qtz-hem-py vein.	none	Min fault has brecciated qtz-MoS2 vein.				48%	87		100%		9979		0.016	
																								0.03			
						Increased sericitization, sausseritized feldspars.		mod kaol	100		91: 40 92: 70 96: 30 99: 35	2mm 2mm 4mm 5mm	Cal-ser shear. Qtz-MoS2 vnlt. Cal-ser shears. Cal-ser shears.	cal	Series of small subparallel shears. Gougy from 96-100.				42%	97		100%		9980		0.071	
																								0.03			
						Pale greenish patchy sausseritized feldspars.		mod kaol	110		100: 40 102: 40 104: 25 109: 40 110: 75	10mm 1-2mm 1mm 3mm 8mm	Qtz-py vein (ser?). Qtz-MoS2-hem vnlts. Cal-ser fractures. Qtz-hem-py vnlt. Qtz-MoS2-hem vein.		MoS2 along selvages.				65%	107		100%		9981		0.021	
																								0.04			
						110-111: Slippery fractures, cal+clay. 115.5-117: Series of weakly gougy fractures.		mod kaol	120		110: 20 118: 16	1mm 1mm	Cal-ser fracture. Dk grey fracture-chl.						61%	117		100%		9982		0.053	
																								0.03			
						Core weakly fractured, little veining, some soft sericitic sections.		mod kaol	130		124.5: 55 127: 75 128.5: 45	1mm 5-6mm 5-8mm	MoS2, py, on fracture. Qtz-MoS2-py vnlt. Qtz-MoS2 veins (3).	----- ser	Rough fracture. High grade veins.				98%	127		100%		9983		0.044	
																								0.05			
						Very mottled look, pink & pale greenish.		mod kaol	140		133.5: 75 136: 70	1-3mm 2-3mm	3 qtz-MoS2 vnlts. Qtz-MoS2 vnlts.	ser wk Kf					85%	137		100%		9984		0.046	
																								0.05			
						Continues mod kaol (ser), softer but only weakly fractured. 143-144: Pale green silica-flood,		mod kaol	150		140: 15 141: 30 143: 75 144: 75 147: 80	0- 20mm 8mm 15mm 8mm	Cal vn bx, healed frac. Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-min MoS2 vein. Qtz-MoS2-py vein.		MoS2 polished along fracture. Qtz-MoS2 along selvages of silica flooding.				84%	147		100%		9985		0.172	
																								0.08			

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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 QM:** Continuing soft but weakly fractured. 157-158: Healed fault, gouge seam, fit bx @	QM	mod kaol	160		150: 30 150: 90 151: 20 153: 25 156: 10	1-2mm 3-7mm 1mm 1mm 6-7mm	Qtz-hem-py-MoS2. Qtz-MoS2 vein. Gougy fracture. Gougy fracture. Qtz-MoS2 vein.		Offsets qtz-MoS2 veins 2cm. 159: 5mm qtz-MoS2 vnlt @ 45 to c.a.	10 20 30 40 50 60 70 80 90			95%	157		100%		9986 0.05		0.116	
						165-170: 1cm shear fracture with qtz-MoS2 running down both sides.	QM	mod kaol	170		160.5: 75 161.5: 45 170: 55	10mm 14mm 3mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2 vnlt.	none none none	MoS2 selvages. Shear plane. Offset by low-angle slips.	10 20 30 40 50 60 70 80 90			91%	167		100%		9987 0.06		0.142	
						175: Good qtz-MoS2 vein, intersecting qtz-py and qtz-MoS2 vnlts.	QM	mod kaol	180		171.5: 90 172: 60 175: 45 178: 35	14mm 3- 12mm 20mm 2-5mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2 veins. Qtz-MoS2 vnlt.	none none none none	179: Several qtz-MoS2 stringers.	10 20 30 40 50 60 70 80 90			95%	177		100%		9988 0.12		0.264	
						Mod altered, mottled, pink & pale green QM, minor qtz-hem stringers, min MoS2.	QM	mod kaol	190							10 20 30 40 50 60 70 80 90			93%	187		100%		9989 0.04		0.036	
						Solid QM with scattered thin qtz & qtz-MoS2 stringers. 199-201: Distinct orange Kf grains.	QM	mod kaol	200		191: 80 192: 45 194: 40	2-3mm 2-3mm 3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf wk Kf	8mm envelope. 196.5-197.5: 6 qtz-MoS2 vnlts @ 30 & 75 to c.a.	10 20 30 40 50 60 70 80 90			91%	197		100%		9990 0.10		0.067	
						Fewer qtz-MoS2 vnlts, stringers, more calcite fractures.	QM	mod kaol	210		203: 20 206: 25 209: 45	8mm 1mm 1-2mm	Gouge seam. Cal-ser fracture. Qtz-hem vnlt.	clay cal	Section mod frac. Rough surface.	10 20 30 40 50 60 70 80 90			68%	207		100%		9991 0.04		0.069	
						As above, fewer fractures but remains mod kaol.	QM	mod kaol	220		210: 80 216: 65 218: 40	5mm 2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Cal-ser (kaol) frac.	none none kaol	MoS2 selvages.	10 20 30 40 50 60 70 80 90			53%	217		100%		9992 0.04		0.041	
						221-221.5: Gougy rubble, minor fault.	QM	mod kaol	230		223: 40 224: 55 225: 75 227: 30	1-2mm 2mm 10mm 1mm	Qtz-hem-py vnlt. Qtz-MoS2 vnlt. Qtz-hem-py-MoS2. Cal-kaol fracture.	kaol none none kaol	Becoming harder, less fractured.	10 20 30 40 50 60 70 80 90			60%	227		100%		9993 0.03		0.050	

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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 QM:** Few fractures, little veining, fresh-looking.	QM	wk kaol	240		230: 20 231: 75 234: 40	1-2mm 1mm 2mm	Qtz-hem-py vnlt. Qtz-MoS2 stringer. Green kaol gouge.	none none kaol		10 20 30 40 50 60 70 80 90		88%	237		100%		9994 0.02		0.079	
						As above. 249: 10mm thick clay gouge seam @ 10 to c.a.	QM	wk kaol	250		241: 45 242: 30 243: 20 244: 10 246: 75	1mm 1-2mm 2-4mm 2mm 2mm	Qtz-MoS2 vnlt. Greenish clay gouge. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	none kaol none none	243: Cut by low angle shear.	10 20 30 40 50 60 70 80 90		83%	247		100%		9995 0.05		0.061	
						As above.	QM	wk kaol	260		251: 15 253: 25 256: 40 258: 75 259.5: 45	1mm 1mm 9mm 1-2mm 3mm	3 qtz-hem-py vnlts. MoS2, min py, fract. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf none none none. str Kf		10 20 30 40 50 60 70 80 90		78%	257		100%		9996 0.06		0.040	
						As above.	QM	wk kaol	270		263: 60 266: 65 268: 75	2mm 6-8mm 4-8mm	Qtz-MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2 vein.	str Kf str Kf str Kf		10 20 30 40 50 60 70 80 90		92%	267		100%		9997 0.07		0.033	
						Increased veining in weakly fractured QM.	QM	wk kaol	280		272.5: 35 275.5: 45 276: 60 277: 65 279: 70	10mm 4cm 8mm 4mm 2cm	Qtz-MoS2 vein. Qtz-hem-py-MoS2. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Qtz-MoS2 vein.	wk Kf none none none none	Weak MoS2. Weak MoS2. Good MoS2. Good MoS2. Weak MoS2.	10 20 30 40 50 60 70 80 90		81%	277		100%		9998 0.10		0.062	
						Becoming increasingly kaolinitized.	QM	wk - mod kaol	290		281: 50 283: 45 287: 75	4mm 6mm 4mm	Qtz-hem-MoS2 vnlt. Qtz-hem-py vnlt. Qtz-MoS2 vnlt.	wk Kf wk Kf none	Weak stwk. MoS2? Weak MoS2.	10 20 30 40 50 60 70 80 90		89%	287		100%		9999 0.04		0.037	
						Continues to be more kaolinized. 294-296: Moderately fractured, weak gouge.	QM	wk - mod kaol	300		291: 35 294: 30 299: 80	1mm 5mm 1-2mm	Clay gouge. Clay gouge. Qtz-MoS2 vnlt.	kaol kaol none	Rough surface. Minor fault.	10 20 30 40 50 60 70 80 90		77%	297		100%		10000 0.02		0.040	
						Hard, competent, weakly fractured and veined.	QM	wk kaol	310		303: 35 303.5: 60 307: 60 309: 26	1-2mm 2-3mm 2-3mm 4-5mm	Dk grey, polished. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Cal-chl in fracture.	none wk Kf wk Kf none	Clay on fracture. MoS2 selvages. Same as above.	10 20 30 40 50 60 70 80 90		82%	307		100%		10001 0.04		0.044	

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																								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 QM**: mottled, cream & pink; coarse grained to weakly porphyritic.	QM	wk kaol	320		312: 20 318: 30 318: 30	1-2mm 15mm 14mm	Qtz-hem vnlt. Qtz-MoS2-hem-py. Qtz-MoS2-hem vein	none str Kf str Kf	------- Rel weak MoS2. Rel weak MoS2.				69%	317		100%		10002 0.05		0.044	
						Hard, competent, weakly fractured.	QM	wk kaol	330		320: 75 321: 85 322: 75 326.5: 45 327.5: 45	3mm 18mm 2-3mm 2-3mm 2-3mm	Qtz-MoS2 vnlt. Qtz MoS2-py vein. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf none wk Kf wk Kf wk Kf	Good MoS2. MoS2 selvages. Good MoS2. MoS2 selvages. MoS2 selvages.				96%	327		100%		10003 0.06		0.051	
						Hard, competent, weakly fractured.	QM	wk kaol	340		331.5: 15 337.5: 25	2-3mm 1mm	F-gr, pale grey vein. Qtz-MoS2-py stringers.	none str Kf	Like alunite. Stringer series.				70%	337		100%		10004 0.04		0.036	
						342-344: Series of rel thick qtz-MoS2 veins, becoming a stwk of 2-8mm veinlets. 347.5: 5mm qtz-MoS2 @ 45.	QM	wk kaol	350		342: 30 343: 20 344: 55 345: 25 347: 55	12cm 25mm 2mm 20mm 17mm	Qtz-MoS2-py vein. Qtz-MoS2 vein, bx. Qtz-MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2 vein.	wk Kf none none str Kf wk K	Sig vein. Flt bx along base. Strong MoS2. Local healed bx. Weak MoS2.				68%	347		100%		10005 0.20		0.550	
						Increasing kaolinization, sharp decrease in veining.	QM	mod kaol	360		351: 60 353: 25 358: 35	2mm 30cm 12mm	Qtz, min MoS2 vnlt. Kaol? stwk veining. Qtz-hem-MoS2 vein.	none kaol wk Kf	Mainly qtz. Discon vnlts. Blebby hem.				86%	357		100%		10006 0.04		0.029	
						Increasing kaolinite, occ qtz-MoS2 vnlts. 367-369: Transition zone, qtz-MoS2 vnlt, shearing, fly bx, kaol.	QM	str kaol	370		363: 60 367: 30 368: 35 368.5: 45 369: 40	1-2mm 15mm 18cm 1mm 10cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz vein bx, f-gr MoS2. Polished grey base. Contact bx.	none none none clay cal,ka	Sharp vnlt. Many offsets. Bluish - MoS2? Planar contact. QM, bslt clasts.				89%	367		100%	360-369	10007 0.15		0.081	
				f-gr	4	**369-382: Basalt Dyke:** med olive, weakly fractured but soft. Abundant calcite stringers, fractures.	Bslt	cal	380		369: 15 377: 35	<1mm <1mm	Bslt contact, slip. Calcite on fracture.	--- cal	Bx on both sides. Dominant fracture.				85%	377		100%	369-382	10008 <0.01		0.008	
				c-gr	2	**382-387: Fault Bx;** pink and pale greenish clasts in kaol matrix. **387-391: Fault Gouge;** bx now clay gouge.	Flt	str kaol	390		382: 20 387: 55	<1mm <1mm	Sheared contact. Polished slip plane.	cal	Sharp lower cont. 389-390: Bslt dyke or clast.				77%	387		100%	382-393	10009 0.02		0.032	

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																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		
						391-392: Felsic dyke. 392-392.5: Bslt dyke. 392.5-393: QM flt bx. **393-400: Basalt Dyke:** same as before.	Bslt	cal	400		400: 35	<1mm	Sharp, sheared lower dyke contact, no chill margins.		Sheared over top 50cm of bslt, cal vnlt stwk.				38%	397		100%	393-400	10010		0.009	
																								0.01			
20	40	35	5	cgr	4	**Endako QM**: mottled, cream & pink; coarse grained to weakly porphyritic.	QM	str kaol	410		404: 30 408: 25 410: 30	1mm 1mm 1-2mm	Ser-kaol fracture. Ser-kaol fracture. Qtz-MoS2 sheeted vnlts, wk stwk.	kaol kaol	401-402: qtz-MoS2 vnlt stwk.				88%	407		100%		10011		0.050	
																								0.03			
					4	Mottled green & pink, strong to mod kaolinization of feldspars.	QM	str kaol	420		415: 30 415: 20 419: 40	1-3mm 1mm 10mm	Qtz-MoS2 vnlt. Ser-kaol fracture. Kaol shear with min qtz-MoS2 stringers.	str Kf					87%	417		100%		10012		0.090	
																								0.06			
					4	Moderately fractured with lots of kaol or ser giving gougy feel. Weak discontinuous veining.	QM	str kaol	430		427: 10	1mm	Kaol-ser fracture.	kaol	Rough surface.				86%	427		100%		10013		0.044	
																								0.03			
					4	As above. **435-437: Fault;** crumbly to gougy with dark clay slip planes	QM	str kaol	440		435: 55	<1mm	Fault contact.	kaol	438-440.5: becoming more orange coloured.				47%	437		100%	430-440.5	10014		0.085	
																								0.04			
					6	**440.5-449: Aplite Dyke:** f-gr to weakly por with 1mm qtz eyes, sausseritized feldspars. Brittle fracturing.	Apl	wk kaol	450		440.5: 30 444: 40 447: 50 447-449	7mm 1-3mm 2-3mm 1-3mm	Qtz-MoS2 veins. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Fractured, weak stwk of qtz-MoS2 vnlts.	none none none none	Cuts across contact. Many fine qtz-MoS2 stringers.				65%	447		100%	440.5-449	10015		0.058	
																								0.10			
						449-468: Endako QM; as described above.	QM	str kaol	460		453: 60 456: 65 460: 22	1mm 1mm 1mm	Qtz-MoS2 stringer. Qtz-MoS2 fracture. Kaol-ser fracture.	str Kf none kaol					43%	457		85%	449-458	10016		0.031	
																								0.04			
						460-461: Kaol fracture zone. **468-516: Aplite;** f-gr cream to pink, weak qtz-eye porphyry.	QM --- Apl	str kaol wk kaol	470		463: 60 464.5: 50 466: 30 468: 10	1-3mm 4mm 3-4mm <1mm	Qtz-MoS2 vnlt. Kaol gouge flt. Qtz-MoS2 vnlt. Sharp dyke contact.	str Kf kaol wk Kf none	-- minor fault. Offsets. Steep but undulatory.				93%	467		100%	458-468	10017		0.059	
																								0.04			

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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		
5	10				6	**Aplite:** very well-fractured, brittle. 468-475: Mainly rubble. 478-480: Wk stwk bx.	Apl	wk kaol	480		469-470 476-477 477: 40 479: 27	--- 40 5-6cm 1mm	MoS2 on fractures. Qtz-MoS2 stwk. Qtz-MoS2 vein. MoS2 on fracture.	none	477: Shear coincident with vein; good MoS2.				14%	477		95%	468-480	10018		0.107	
																								0.15			
						Continuing weak qtz-MoS2-py bx, crumbly. 485-486.5; angular rubble. 486.5-490: Wk fract.	Apl	wk kaol	490		483: 75	8mm	Qtz-MoS2 vein.	none	Good MoS2. Stwk weakens ~486'.				40%	487		95%		10019		0.053	
																								0.12			
						493: 20cm dry clay gouge. Mainly healed and refractured bx; rubble throughout.	Apl	wk kaol	500				A few discrete qtz-MoS2 vnlts, local fine stwk.						27%	497		95%		10020		0.069	
																								0.08			
						Same as above. 503-507: Mainly rubble. 507-510: Flt bx.	Apl	wk kaol	510		500: 20 507: 20	2cm 4cm	Pale kaol gouge. Vein bx.		Minor fault. Dark grey matrix.				18%	507		95%		10021		0.079	
																								0.05			
						510-514: Mainly gouge. 514.5-516: Qtz-MoS2 vein. **516: Endako QM;** 20cm QM bx.	Flt	str kaol	520		510: 15 514: 35 514.5: 35 516: 60 518: 25	1mm 10mm 40cm 1mm 2cm	Planar slip at contact. Waxy kaol slip. Qtz-MoS2 vein bx. Sharp contact, bx. Gougy shear.	kaol kaol qtz ---- kaol	507-514.5: Fault. Includes hem, min py. Minor fault.				76%	517		100%	510-516 516-520	10022 10023		0.514 0.052	
																								0.15 0.05			
						Mottled, cream & pink; coarse grained to weakly porphyritic. Relatively fresh-looking.	QM	wk kaol	530		523: 45 530: 35	8mm 8mm	Qtz-hem-MoS2 vein. Qtz-hem-MoS2 vein.	str Kf str Kf	Weak MoS2. Weak MoS2.				86%	527		100%		10024		0.050	
																								0.03			
						531-532: Vein bx, rounded clasts of dyke in qtz matrix, MoS2 along selvages. 535.5-537.5: Shear.	QM	wk kaol	540		531: 30 532: 20 535.5: 10 537.5: 10	1mm 10mm 1mm 5mm	Polished contact. Qtz-hem-MoS2 vnlt. Kaol shear, rough. Kaol gouge.		Good MoS2. Marks lower contact.				75%	537		100%		10025		0.194	
																								0.03			
						541: 15 cm dyke or block of f-gr purplish aplitic dyke. 542: Core becomes very competent.	QM	wk kaol	550		540.5: 30 541: 40 542: 40 546: 40	5mm 6-8mm 6-8mm 6-8mm	Kaol gouge fracture. Qtz-hem-MoS2 vnlt. Qtz-hem-MoS2 vnlt. Qtz-hem-MoS2 vnlt.	kaol none none none	Minor fault. Dyke contact. Mainly in QM.				64%	547		100%	540-544 544-550	10026 10051		0.041 0.109	
																								0.05			

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																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 QM**: mottled, cream & pink; coarse grained to weakly porphyritic.	QM	wk kaol	560		557: 45	1-2mm	Pale green kaol fract.	kaol		10 20 30 40 50 60 70 80 90			94%	557		100%		10027		0.027	
																								0.03			
						Weakly altered and fractured, few veins.	QM	wk kaol	570		561: 45	1-2mm	Qtz-MoS2 vnlts.	str Kf	Few vnlts.	10 20 30 40 50 60 70 80 90			94%	567		100%	560-562	10028		0.114	
																								0.03			
						Weakly altered and fractured, few veins.	QM	wk kaol	580		571: 25 574: 32 578: 20	4mm 1-2mm 1mm	Qtz-MoS2 vnlt. Qtz-hem vnlts. Blebby pyrite.	str Kf str Kf str Kf	-- Sugary qtz vn. Blebs to 8mm.	10 20 30 40 50 60 70 80 90			93%	577		100%	562-580	10029		0.095	
																								0.03			
						Increased fracturing, veins.	QM	wk kaol	590		582: 60 583: 0 584: 45 589: 55	4-6mm 1mm 4mm 5-6mm	Qtz-MoS2-py vnlt. Kaol-ser fracture. Qtz-MoS2/kaol slip. Qtz-MoS2 vnlt.	str Kf kaol kaol str Kf	Two subparallel. Undulating. Thin gougy slip. MoS2-rich.	10 20 30 40 50 60 70 80 90			87%	587		100%		10030		0.067	
																								0.04			
						Less fractured, more MoS2 on some fractures along vnlt.	QM	wk kaol	600		595: 35 597: 60 597: 75 599: 40 600: 70	5mm 1mm 1mm 1mm 14mm	Qtz-py-MoS2 vnlt. MoS2 on fractures. MoS2 on fractures. MoS2 on fracture. Qtz-MoS2 vein.	str Kf none none none str Kf	Py in centre, MoS2 selvages. Closely spaced.	10 20 30 40 50 60 70 80 90			75%	597		100%		10031		0.045	
																								0.06			
						Decreased fracturing and veining.	QM	wk kaol	610		601: 55 609: 35	1-3mm <1mm	Qtz-MoS2 vnlt. Ser-kaol fracture.	none kaol		10 20 30 40 50 60 70 80 90			91%	607		100%		10032		0.043	
																								0.03			
						616: 30cm (7-8cm true) shear zone, mylonitic. 619: Low-angle shear, wk cal vein bx.	QM	wk kaol	620		616: 25 616: 15 617: 05	1mm 1mm 2-3mm	Sheared vein contact. Sheared contact. Gougy fracture.	none none kaol	Upper contact. MoS2 on plane. Undulatory.	10 20 30 40 50 60 70 80 90			96%	617		100%		10033		0.057	
																								0.03			
						623-624: Several qtz-MoS2 vnlts, 1-5mm thick.	QM	wk kaol	630		622: 25 623: 55 626: 45 628.5: 60	~3cm 2mm 5mm 1mm	Two qtz-MoS2 veins. Qtz-MoS2 vnlts. 3 qtz-MoS2 vnlts. MoS2 on fracture.	str Kf str Kf str Kf none	Wispy veins. Also on fractures. Good MoS2.	10 20 30 40 50 60 70 80 90			90%	627		100%		10034		0.140	
																								0.10			

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Rock Types & Alteration								Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results		
																	Fractures									Sample Number		%MoS2
																										Core	Sludge	Core / Sludge
																										Estimate Grade		
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	Combined
20	40	35	5	cgr	6	**Endako QM**: mottled, cream & pink; coarse grained to weakly porphyritic. Increasing kaol.	QM	mod kaol	640		640: 42	2mm	Qtz-MoS2 vnlt.	str Kf	Weakly fractured, limited stringer veining.				95%	637		100%				10035		0.059
																										0.04		
						Well-fractured with gritty kaolinite. 641: qtz-MoS2 vein marks beginning.	QM	str kaol	650		641: 75 642: 80 648: 40	12mm 8-12mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Kaol gouge on fracture.	str Kf str Kf kaol	Assoc stwk. Assoc stwk. 642-647: Rubble, flt bx, gougy fractures.				47%	647		95%				10036		0.346
						Weakly fractured, less altered by 650'.	QM	mod kaol	660		652.5: 50 656: 45 660:45	1mm 1mm 3mm	Kaol on fracture. Kaol-cal fracture. Cal-kaol vn-fracture.	kaol kaol cal-kaol	1-2mm gouge. 1mm gouge. Curved plane.				64%	657		100%				10037		0.033
						663: Thin qtz-MoS2 stringers. 663-669: Bright orange section; Kf altn.	QM	wk kaol	670		663: 45 668: 30 669: 45	1mm 1mm 1-5mm	Kaol-cal-(ser). Cal-kaol-ser fract. Qtz-hem vnlt.	kaol kaol Kf					70%	667		100%				10038		0.11
						Continuing weakly fractured and altered, a few more qtz-MoS2 vnlts apparent.	QM	wk kaol	680		671.5: 55 673: 45 677: 75 677: 20	2-3mm 4-5mm 1mm 5mm	Calcite vnlt/fracture. Qtz-MoS2 vnlt. Qtz-MoS2 stringer. Cal-kaol fracture.	cal str Kf wk Kf kaol	White calcite. High-grade vnlt. Mainly MoS2. Wide fracture.				68%	677		100%				10039		0.055
						As above.	QM	wk kaol	690		681.5: 45 682.5: 70 685: 45 685: 10 690: 55	6cm 5mm 1mm 1mm 1mm	Qtz-MoS2 vein. Qtz-MoS2 vnlt. Cal-kaol fracture. Cal kaol fracture. Kaol-MoS2 fracture.	str Kf str Kf kaol kaol kaol	MoS2 selvages. Blebby MoS2. Relatively strong fractures. Calc fracture.				70%	687		100%				10040		0.037
						As above.	QM	wk kaol	700		692.5: 55 693: 25 693.5: 20 693.5: 15 695: 40	2-3mm 10mm 1-2mm 1mm 1mm	Qtz-MoS2 vnlt. Aplite dykelet. Qtz-MoS2 vnlt. Kaol-cal fracture. Qtz-MoS2 stringer.	wk Kf none wk Kf kaol wk Kf.	-- Purplish, fractured. Vnlt is cut off by weakly gougy				74%	697		100%				10041		0.073
						Fracture-veins run at very low angle to c.a.	QM	wk kaol	710		702: 05 704: 65 704: 10 707: 05 710: 15	12mm 4-5mm 5-8mm 5-8mm 3mm	Cal-chl-kaol-qtz-MoS2. Qtz-MoS2 vnlt. Qtz-MoS2, kaol-cal. Qtz-MoS2, kaol-cal. Kaol-cal-ser gouge.	wk Kf str Kf wk Kf wk Kf kaol	1-3mm qtz-MoS2 vnlt. Gouge with qv selvages. Irregular, gougy.				90%	707		100%				10042		0.262

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																								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 QM**: increasing gougy fractures, becoming breccia ~715'. 716: Pieces of Aplite in fault parallel to c.a.	QM	str kaol	720		712.5: 30 714: 20 717: 10	1-2mm 1-2mm 2-20mm	Kaol-cal-ser gouge. Kaol-cal-ser gouge. Kaol-cal-ser gouge.	kaol kaol kaol	Pale green, wet. Pale green, wet. Contact.				75%	717		100%		10043	0.050
						717-728: Aplite; mostly fault, highly fractured, locally gougy. **715-729: Fault**	Apl	str kaol	730		721: 15 723: 25 725: -- 726: 50 727: 30	>2cm >2cm ------ 3mm <1mm	Gouge zone. Slip plane and gouge. QM clasts in kaol matrix. Qtz-MoS2 vnlts.	kaol kaol kaol none kaol	Angular rubble. Mainly rubble. Subangular clasts. In flt bx. Flt bx-aplite.				26%	727		98%		10044	0.096
						728-730: Transitional between flt/apl and QM. **730-777: Endako QM;** mod kaol.	QM	mod kaol	740		729: 45 730: 55 739: 25 740: 45	1mm 1mm 1mm 2-10mm	Clay-MoS2 slip. MoS2 on fracture. Kaol-ser-hem fracture. Qtz-MoS2 vnlts.	kaol ser kaol str Kf	Poss end of flt bx. Good MoS2. Weakly fractured.				91%	737		100%		10045	0.109
						741-746: Dark gougy fracture-vein, low angle to c.a.	QM	mod kaol	750		741: 10 749: 45 749: 10	1-2cm 2-3mm 1-2cm	Kaol-cal-ser gouge. Qtz-MoS2 vnlt. Kaol-cal-ser gouge.	kaol wk Kf kaol	2mm qtz-MoS2 vnlt, along slip. Qtz-MoS2 along sides of fracture.				98%	747		100%		10046	0.412
						749-752: Dark gougy fracture-vein, brecciated within structure.	QM	mod-str kaol	760		753: 35 755.5: 45 758: 65	1mm <1mm <1mm	Clay slip, gougy above. Polished MoS2. Hem, min MoS2.	kaol kaol hem	Strong kaol altn. Planar fracture. Rough fracture.				84%	757		100%		10047	0.097
						More orange, cut by calcite stringers and vnlts.	QM	mod kaol	770		761: 60 761: 40 765: 25 765: 30 765: 20	<1mm <1mm 1-4mm 5-6mm 1mm	MoS2 on fracture. MoS2 on fracture. Calcite veinlet. Qtz-MoS2 vnlt. Kaol-ser-cal slip.	Kf Kf cal str Kf kaol	No qtz. No qtz. Horestails. Cut by slip. Gougy, rough.				74%	767		100%		10048	0.037
						Moderately fractured in sections of higher kaol altn.	QM	mod kaol	777		772: 25 774.5: 50 776: 50 777: 25	1mm 1cm 1-2mm 1mm	MoS2 on fracture. Kaol gouge. Qtz-MoS2 vnlt. Kaol-hem-cal fracture.	kaol kaol wk Kf kaol	Good MoS2. Minor fault. Weak MoS2. Joint.				77%	777		100%		10049	0.090
						777': END OF HOLE																			

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Location	Endako Pit	Azimuth	007°	Latitude	28886N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	March 9, 2002	Length	726 feet	Departure	28599E	Scale of Log		Date	13-Mar-02
Date Completed	March 12, 2002	Dip	-65°	Elevation	2970 feet	Remarks	Test South Wall Pushback, S-613		

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																								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		
						Cased to 14 feet.			10							10 20 30 40 50 60 70 80 90											
20	40	35	5	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk to mod kaol	20		14.5: 45 15: 75 15.5: 55	1mm 2mm 1mm	Str MoS2 vnlt. Qtz-py assoc aplite. Qtz-py-MoS2 (f-gr).	str KF wk KF wk KF	Rel weak altn, with occ ser shears, discrete qtz-py-MoS2 vnlts.	10 20 30 40 50 60 70 80 90			83%	14 17		100%		9896 <0.05		0.040	
						23-25: Several good qtz-py and qtz-MoS2 vnlts. 28.5-29: Rough ser fractures @ 20 to c.a., cuts series of qtz-MoS2	QM	wk to mod kaol	30		22: 80 24: 75 24: 55 26: 70 27: 70	2.5mm 4-5mm 2-5mm 5-7mm 3mm	Sharp qtz-py-MoS2 vnlt. Qtz-MoS2-py vnlt. Qtz-py vnlt. Qtz-MoS2 vein.	wk KF wk KF none mod KF wk KF	MoS2 -> selvages. Cuts qtz-MoS2 vnlts. MoS2 ->	10 20 30 40 50 60 70 80 90			74%	27		98%		9897 0.08		0.042	
						35: *5cm sericitic rubble*, minor fault.	QM	wk to mod kaol	40		31: 55 35: 55 37: 70	*35mm* 3-5mm 12mm	*Qtz-cal-py-hem vnlt.* 2 qtz-MoS2 vnlts. Qtz-py-MoS2 vein.	*none* none none	*2nd vnlt, 5mm* thick, dipping other way.	10 20 30 40 50 60 70 80 90			59%	37		98%		9898 0.06		0.043	
						40-42: Sericitic shear zone @ 40-60 to c.a. 3-4 1-2mm qtz-MoS2 vnlts, decr veining.	QM	wk to mod kaol	50		46: 30 47: 35 49: 45 49.5: 75	3cm 1mm 2-3cm 1-2mm	Gougy ser fault. Ser-hem fracture. Rubbly ser flt. Qtz-py-MoS2 vnlt.	none none none str KF	Less py & MoS2.	10 20 30 40 50 60 70 80 90			42%	47		98%		9899 0.03		0.034	
						50-53: Numerous sericitic fractures. 55-56: Ser gouge flt, 2cm thick, @ 20 to c.a.	QM	wk to mod kaol	60		53: 30 54: 35 56.5: 30 59: 65 59: 70	5mm 5-8mm 5mm 2cm 3-4mm	Rough gougy ser frac. Qtz-py-MoS2 vein Pale ser gouge. Qtz-py (ser) vein. Qtz-py-MoS2 vnlt.	none wk Kf none none wk Kf	Note rel narrow gougy sections.	10 20 30 40 50 60 70 80 90			40%	57		100%		9900 0.02		0.055	
						Modest increase in qtz-MoS2 vnlts, continuing mod sericitic (kaol). 65- Pale greenish, str ser-kaol, locally	QM	wk to mod kaol	70		65: 55 66: 25 67: 50 67.5: 40	12mm 1mm 2mm 5cm	Qtz-MoS2 (f-gr) vn. Gougy slip. Qtz- MoS2 vnlt, fgr. Gougy slips	wk Kf none wk Kf ser, ka	Sig vein. 67.5-69.5: Minor fault, gougy.	10 20 30 40 50 60 70 80 90			50%	67		100%		9901 0.04		0.060	

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																	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, cream & orange; coarse grained to weakly por, KF to 1cm.	QM	wk to mod kaol	80		71: 70 74: 60 79: 30	2.5cm 15cm 30cm	Qtz-MoS2 vein. Qtz-ser-hem-MoS2. Gougy, rubbly flt.	none none none	Cut by slip @ 20-30 to c.a. Mod to well-fractured, incr ser-kaol.	10 20 30 40 50 60 70 80 90			58%	77		100%		9902 0.03		0.045	
						81-83: Pale sericite-kaol gougy shear zone, @ 10 to c.a. 84-85: Similar shear zone @ 25 to c.a.	QM	wk to mod kaol	90		84: 60 85: 70 89: 70 69: 20	3-5cm 3mm 1mm 5mm	Qtz vein, str Kf selv. Qtz-MoS2 vnlt. MoS2 vnlt. Odd stwk of qtz-hem-py vnlts.	str Kf none str Kf	86: Irregular siliceous, black veining. Qtz-MoS2?	10 20 30 40 50 60 70 80 90			43%	87		100%		9903 0.04		0.021	
						87: Abruptly becomes more competent, less sheared and altered (ser, kaol).	QM	wk to mod kaol	100		92: 80 94: 70 94: 35 95: 30 99: 10	3mm 3mm 3mm 1mm 5mm	Late qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2-ser on frac. White cal vein	none none none ser none		10 20 30 40 50 60 70 80 90			59%	97		100%		9904 0.06		0.043	
						Beginning to see thicker qtz-MoS2 veins, f-gr.	QM	wk to mod kaol	110		103: 45 105: 55 106: 40 108: 45 109: 60	2-8mm 21mm 1mm 5mm 8cm	Qtz-MoS2 vein. Str qtz-MoS2 vein. Greasy ser gouge. Qtz-MoS2 vein. Qtz-hem-MoS2 vns.	none none ser none none	109: Dark qtz-py-hem nein with minor f-gr MoS2.	10 20 30 40 50 60 70 80 90			52%	107		100%		9905 0.08		0.104	
						112: Minor qtz-py vnlt stwk, poss f-gr MoS2. 117: Strong py on irregular fracture.	QM	wk to mod kaol	120		111: 80 115: 75 116: 70 117.5: 75 119: 20	2-3mm 1-2mm 5-7mm 17cm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2-py vns. Ser-chl slip.	none none none none ser,chl	118: Qtz-py vein, offsets qtz-MoS2 vnlt.	10 20 30 40 50 60 70 80 90			73%	117		100%		9906 0.08		0.106	
						122.5-123: Pale green ser-qtz-hem-MoS2-py, with vuggy calcite.	QM	wk to mod kaol	130		120: 75 122: 75 125: 80 127: 80 129: 80	2-3mm 2cm 3-4mm 4mm 2mm	Qtz-MoS2 vnlt. Qtz-cal-py-hem-MoS2. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Py-qtz vnlt.	none none none none none	Vuggy cal, qtz-hem-py-MoS2 vein.	10 20 30 40 50 60 70 80 90			72%	127		100%		9907 0.06		0.059	
						Continuing pink, wk kaol QM, cut by 3-10mm qtz-MoS2 vnlts, <0.1% py.	QM	wk to mod kaol	140		130: 80 135: 35 138: 70 139: 80	10mm 5mm 5mm 10mm	Qtz-MoS2 vnlt. Qtz-py vnlt. Qtz-MoS2 vnlt. Qtz-py-hem vnlt.	wk Kf none str Kf str qtz-ser-py	MoS2 along selvages.	10 20 30 40 50 60 70 80 90			82%	137		100%		9908 0.05		0.055	
						As above. 140: Qtz-py vnlt cut qtz-MoS2 vnlt.	QM	wk to mod kaol	150		140: 60 144: 55 149: 60	2mm 21mm 15mm	Qtz-MoS2 vnlt. Qtz-MoS2-py vein. Qtz-MoS2-hem vein.	none wk kao none	MoS2-rich. Ribboned, late py. Ribboned, hem in centre.	10 20 30 40 50 60 70 80 90			83%	147		100%		9909 0.08		0.055	

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																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 QM:** Continuing competent, pink, finer qtz-MoS2 stwk more common.	QM	wk to mod kaol	160		156: 50 156: 70	2mm 1mm	Several qtz-MoS2 vnlts.	qtz-ser	Zone 5cm thick.				66%	157		95%		9910		0.030	
																								0.05			
						Continuing competent, pink, with 3-10mm qtz-MoS2 vnlts spaced 2-3 ft.	QM	wk to mod kaol	170		161: 60 165: 55 167: 45 170: 80	2mm 4-8mm 10mm 18mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2-hem-py. Good qtz-MoS2 vein.	Kf Kf wk Kf none	170: High-grade vein.				74%	167		100%		9911		0.048	
																								0.06			
						172: Thick qtz-MoS2 vein. MoS2 in centre and along selvages.	QM	wk to mod kaol	180		172: 70 174.5: 30 174.5: 65 175: 45 177: 85	15cm 6mm 15mm 2mm 24mm	Qtz- MoS2 vein. Qtz-MoS2 vnlts. Qtz-MoS2 vein. MoS2-qtz vnlt. Qtz-MoS2 vein.	none Kf Kf none none					98%	177		100%		9912		0.174	
																								0.15			
						Continuing competent, weakly altered, fewer finer qtz-MoS2 vnlts.	QM	wk to mod kaol	190		180: 75	7mm	Qtz-MoS2-py vnlt.	py					96%	187		100%		9913		0.050	
																								0.06			
						Weakly sausseritized plag grains.	QM	wk to mod kaol	200		190: 25 199: 30 199: 75	2-4mm 2mm 3mm	Qtz-hem-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf wk Kf wk Kf					86%	197		100%		9914		0.030	
																								0.04			
						200-205: More orange with greenish sericite, moderate shearing.	QM	wk to mod kaol	210		201: 15 202: 40 204: 75 209: 55	1mm 6cm 8mm 4mm	Ser slips. Qtz-MoS2-hem vein. Qtz-MoS2-hem vnlts. Qtz-MoS2 vnlt.	ser str Kf none none					59%	207		100%		9915		0.088	
																								0.07			
						Increasing green. 205-206, 208-210: Moderately fractured.	QM	wk to mod kaol	220		214: 55	3-4mm	Qtz-MoS2 vnlt.	wk Kf					75%	217		100%		9916		0.047	
																								0.04			
						Orange-pink, less veining, MoS2.	QM	wk to mod kaol	230		222: 75 224: 55	2-5mm 2mm	Qtz-MoS2-py vnlt. Qtz-py-MoS2 vnlt.	wk Kf str Kf					47%	227		100%		9917		0.048	
																								0.03			

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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 QM:** Continuing competent, pink, some qtz vns host little MoS2.	QM	wk to mod kaol	240		235: 75 238: 75	18mm 7-10mm	Qtz-MoS2-hem vnlt. Qtz-MoS2 vnlt	str Kf wk Kf		10 20 30 40 50 60 70 80 90			90%	237		100%		9918		0.076	
																								0.06			
						Gradually more orange, sericitic slips more common. Fewer qtz-MoS2 vnlts.	QM	wk to mod kaol	250		243: 85 247: 50 247: 60 249: 55	8mm 4mm 2mm 1mm	Qtz-py vnlt, blebby. Qtz-hem-MoS2-cp. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt	none ser wk Kf none	Sericitic fractures or slips @ 55 to c.a.	10 20 30 40 50 60 70 80 90			85%	247		100%		9919		0.030	
																								0.04			
						Continuing very solid, little veining.	QM	wk to mod kaol	260		253: 65 257: 45	10mm 5mm	Qtz-cal-py-MoS2. Qtz-MoS2 vnlt.	none wk Kf		10 20 30 40 50 60 70 80 90			85%	257		100%		9920		0.061	
																								0.04			
						As above. 264-265.5: Moderate fractured.	QM	wk to mod kaol	270		262: 15 268: 40	1mm <1mm	Sericite fracture. Pyritic fracture.	ser py		10 20 30 40 50 60 70 80 90			69%	267		100%		9921		0.025	
																								0.02			
						As above. Str sausseritized 2 feet each side of vein. 274-275: Qtz-py-hem-MoS2 vein.	QM	wk to mod kaol	280		274: 35 --------- 275: 40	25cm ----- 4mm	Qtz-cal-py-hem+/-MoS2 vein. Qtz-fgr MoS2 vnlt.	ser	Continues slightly more kaol below vein.	10 20 30 40 50 60 70 80 90			87%	277		100%		9922		0.125	
																								0.03			
						Orange & green. 281-285: Mod frac.	QM	wk to mod kaol	290		285: 45 288: 40	6-7cm 5-6cm	Qtz-ser-clay-MoS2-py. Olive qtz-ser dyke.		MoS2 is f-gr and conc along selvages.	10 20 30 40 50 60 70 80 90			54%	287		100%		9923		0.103	
																								0.02			
						Strongly mottled orange and pale green. 291-293: Mod fractured.	QM	wk to mod kaol	300		297: 40 293: 45 299: 40 299: 15	1-3mm <1mm 1mm 1mm	Qtz-ser-MoS2 vnlt. Ser-hem slips, fractures. Qtz-MoS2 vnlt. Sericite fracture.			10 20 30 40 50 60 70 80 90			59%	297		100%		9924		0.033	
																								0.02			
						Strongly mottled orange and pale green. Increasing kaol as SBF is approached.	QM	wk to mod kaol	310		305: 70 308: 75	1cm 2-5mm	Sericite gouge. Qtz-MoS2-py vnlts.			10 20 30 40 50 60 70 80 90			79%	307		100%		9925		0.036	
																								0.02			

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																	Fractures								Sample Number		%MoS2	
																									Core	Sludge	Core	Sludge
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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 QM:** Increasing kaol. **317.5-345: South Basalt Fault Zone:** Mainly dark grey basalt	QM -- SBF	mod kaol	320		311:45 316: 55 317.5: 70	8-9cm 5-7mm	Qtz-MoS2-hem vn. Kaol-ser gouge. Sharp upper contact.	ser kaol	Contorted. Minor fault. Wk gougy slip.				74%	317		100%	310-317.5	9926 0.04		0.091	
						Dark grey, fine-grained porphyry with round to tabular plag phenos, typically 1mm in diameter.			330		324: 50 326: 60 327: 75 328.5: 65	2mm 20cm 1mm 15mm	Weak chill margin. Clay gouge. Wk chill upper contact. Dark grey gouge.		Cuts shear fabric. Gouge in flt bx. Crumbly bslt. Cal vnlts in bslt.				84%	327		100%	317.5-327	9927 <0.01		0.028	
						Becomes competent. Fresh bslt dyke @ 337.			340		331: 35 332: 55 335: 65	1mm 8cm 1-2cm	Str shear with cal vnlt. Fault; gouge & cal vn. Fault; dk grey gouge.						42%	337		100%	327-337	9928 <0.01		0.005	
						Competent dyke. **345: Endako QM:** Sheared, str haol to 347'.	QM	mod kaol	350		345: 50 345.5: 50 347: 45 348.5: 55	3-4mm 1cm 2mm 1mm	Lower contact. Clay gouge. Shear, bottom. Sheared qtz-MoS2.		Sheared into QM.				88%	347		100%	337-345	9929 <0.01		0.007	
						Orange & pale green. **355-357: Aplite:** Fine-grained, pink, mod fractured throughout. **357: Endako QM**	QM Apl QM		360		352: 32 355: 55 355: 35 357: 35 359: 50	4-7mm 1mm 1mm 1mm 7mm	Qtz-MoS2 vnlts. MoS2 vnlt. Dyke contact. Dyke contact. Qtz-MoS2 vnlt.	str Kf none	Not much MoS2. MoS2 slicks.				57%	357		100%	345-355 355-357	9930 9931 0.04		0.129 0.056	
						Weaker kaol, more pink & green.	QM	wk kaol	370		366: 45	7mm	Qtz-MoS2 vnlts	Str Kf	Part of stwk.				75%	367		100%	357-360 360-370	9932 9933 0.05		0.066 0.030	
						372-373: Fault: very soft clay/sand gouge below vein @ 30 to c.a.	QM	wk kaol	380		371.5: 45	26mm	Qtz-MoS2 vein.	wk Kf	Sig vein.				58%	377		100%		9934		0.043	
						382-385: Mod fractured.	QM	wk kaol	390		385: 55	12mm	Qtz-MoS2 vein.	str Kf	High grade vein.				56%	387		100%		9935		0.047	

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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 QM:** Increasingly competent, rel few veins.	QM	wk kaol	400		393: 40 394: 45 395: 45 399.5: 80	7mm 1-2mm 8mm 8mm	Qtz, min MoS2 vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf Kf-py none		10 20 30 40 50 60 70 80 90			85%	397		100%		9936 0.05		0.054	
						400-401: Qtz-MoS2 vnlt stwk, assoc Kf.	QM	wk kaol	410						Weak veining.	10 20 30 40 50 60 70 80 90			65%	407		100%		9937 0.03		0.057	
						Only a few fractures.	QM	wk kaol	420		415.5: 55 419: 70 419: 50	3mm 10mm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Two qtz-MoS2 vnlts.	wk Kf wk Kf wk Kf		10 20 30 40 50 60 70 80 90			97%	417		100%		9938 0.06		0.047	
						Continuing quite orange with sharp suasseritized feldspars.	QM	wk kaol	430		421: 40 423: 45 424: 45 425: 80	1-3mm 15mm 5mm 2-5mm	Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-cal-MoS2 vnlt. Qtz-MoS2 vnlts	str Kf str Kf mod Kf str Kf		10 20 30 40 50 60 70 80 90			99%	427		100%		9939 0.08		0.124	
						Continuing very competent, weakly suasseritized, c-gr QM.	QM	wk kaol	440		435: 55 438: 10	1-2cm 6cm	Qtz-hem veining. Aplite Dyke	Ser-ka none		10 20 30 40 50 60 70 80 90			96%	437		100%		9940 0.03		0.048	
						447-449: Aplite Dyke. 449-450: Fault.	QM	wk kaol	450		447: 10 448: 55 449: 55 450: 56	1mm 1mm 1-2mm 5mm	Upper dyke contact. MoS2 on fracture. MoS2 vnlt, as above. Dark grey clay gouge.	none str Kf str Kf clay	449: Dyke ends at fault, rubble and gouge, sharp lower slip plane.	10 20 30 40 50 60 70 80 90			84%	447		100%		9941 0.04		0.075	
						Competent, weakly altered QM, little veining.	QM	wk kaol	460		450: 55 457: 55 459: 15	1-2mm 1mm 1mm	Mos2-qtz vnlts. Main joint set. Second joint set.	str Kf ser ser		10 20 30 40 50 60 70 80 90			62%	457		100%		9942 0.03		0.055	
						Increased qtz-MoS2 veining. Also, increase in gougy fractures, minor faults.	QM	wk kaol mod kaol	470		460: 55 464: 80 465: 65 466: 30	7mm 6mm 6mm 7mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2-py vnlt. Pale grey clay gouge.	none str Kf str Kf clay	High-grade vein.	10 20 30 40 50 60 70 80 90			61%	467		100%		9943 0.07		0.229	

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																										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 QM:** Increasingly clay-altered, a few strong veins.	QM	mod kaol	480		472: 45 475.5: 55 477: 65 478: 65 480:35	2mm 3cm 5cm 3.4cm 1mm	Med grey gouge. Qtz-MoS2 vein. Qtz-MoS2 veins. Str qtz-MoS2 vein. Clay-ser gouge.	clay	470-471: Mushy. Cut, smeared by low angle fault.				63%	477		95%		9944 0.07		0.308	
						482-484: Fault Bx; gougy bx into aplite dyke bx. 484-490: Green & pink mottled QM, no veins.	QM	mod kaol	490		484: 60	2cm	Green gouge.	clay	Gouge between flt bx and QM.				64%	487		95%		9945 0.03		0.053	
30	30	30	10	f-gr	6	490-494: Competent, mod kaol QM, no veins. **494- Aplite Dyke:** purplish-pink, fine-grained, occ feld	QM ---- Apl	mod kaol ---- Very weak	500		494: 40 497: 35 499: 15 499: 40	------ 1mm 2mm <1mm	Sharp upper contact. MoS2 on fracture. Calcite vnlt on fract. Dry fracture.		Contact unsheared. Aplite is well-fractured.				72%	497		95%	490-494 494-500	9946 9947 0.02 0.04		0.035 0.035	
						Local glassy qtz eyes, pale green sauss feld and mafic phenos. Brittle and well-fractured.	Apl	wk	510		502: - 504: 60 510: 10	10cm 1mm 1mm	Block of altered QM. MoS2 on fracture. Sericite on fracture.		Wk chill margin.				21%	507		95%		9948 0.02		0.036	
						As above. 512-513: angular rubble.	Apl	wk	520		511: 45 515: 50 517: 80 519: 65	<1mm 1mm 1mm 1mm	Dry fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 stringer.	none	--- Contact with bx. Assoc stringers.				12%	517		100%		9949 0.05		0.063	
						Continues well-fractured with occ thin qtz-MoS2 stringers. 529: Becoming brecciated.	Apl	wk	530		522: 55 523: 50 528: 55 530: 70	1-2mm 1mm 1mm 1mm	Qtz-MoS2 stringer. MoS2 on 2 fractures. MoS2 on 2 fractures. Qtz-MoS2 stringers	none					14%	527		95%		9950 0.03		0.042	
						Strong bx to 536'. 532-533: Rubble, likely a fault breccia. 537-540: Coarse blocky rubble.	Apl	wk	540		533: 45 540: 55	1mm 1mm	Qtz-MoS2 stringer. MoS2 on fracture.	none	Vnlt postdates faulting.				39%	537		100%		9951 0.03		0.056	
						Well-fractured, occ MoS2 on fractures and in narrow stringer vnlts.	Apl	wk	550		545: 40 547: 60 549: 45	1-3mm 1mm 1mm	Qtz-MoS2 vnlts. Qtz-MoS2 stringer. Qtz-MoS2 stringer.	none	Irregular.				14%	547		95%		9952 0.02		0.043	

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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	30	30	10	f-gr	6	**Aplite/QFP:** pale pink, weakly porphyritic with glassy qtz eyes, sauss feldspars.	Apl	wk	560		556: 50 556: 25 557: 30 558: 45 560: 40	2mm 2-3mm 3.5cm 7mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Str qtz-MoS2 vein. Str qtz-MoS2 vein. Qtz-MoS2 vnlt.		556-558: Weakly bx'd, cut by several sid qtz-MoS2 vnlts.	10 20 30 40 50 60 70 80 90			46%	557		100%		9953 0.08		0.072	
						Fairly solid, mod fractured, as above, less MoS2.	Apl	wk	570		562: 55 565: 52 565: 20 568: 60	1mm 1mm 1mm 1mm	MoS2 on fracture. Qtz-MoS2 stringer. Sericitic fracture. Qtz-MoS2 vnlt.			10 20 30 40 50 60 70 80 90			52%	567		100%		9954 0.04		0.050	
						Same as above.	Apl	wk	580		577: 48	1-3mm	Qtz-MoS2 vnlt.		A few qtz-MoS2 stringers (<1mm).	10 20 30 40 50 60 70 80 90			35%	577		100%		9955 0.03		0.050	
						582: Becoming pale, almost beige with 10% diffuse, dark phenos.	Apl	wk	590		580: 45 585: 55 590: 48	1mm 1mm 1-2mm	Str MoS2 fracture. Sev qtz-MoS2 vnlts. Qtz-MoS2 vnlts (2), assoc with min shear.		Several very thin qtz-MoS2 stringers.	10 20 30 40 50 60 70 80 90			30%	587		95%		9956 0.04		0.048	
						Cream to beige, 5% dark diffuse phenos.	Apl	wk	600		594: 50	5-6mm	Good qtz-MoS2 vnlt.		Several very thin qtz-MoS2 stringers.	10 20 30 40 50 60 70 80 90			49%	597		100%		9957 0.04		0.096	
						604: Sharp transition to darker purplish-pink with beige along fractures as roundish patches.	Apl	wk	610		603: 30 603: 60 607: 30 609: 50	1-3mm 2mm 1mm 1-2mm	Qtz-MoS2 stwk. Qtz-MoS2 vnlt. Strong ser fracture. Qtz-MoS2 stringers.			10 20 30 40 50 60 70 80 90			39%	607		100%		9958 0.04		0.057	
						610-617: Uniform f-gr aplite, few veins. **617-629: Endako QM:** mottled pink & green, fresh, weakly fractured.	Apl QM	wk wk	620		612: 60 614: 45 617: 55	2cm 8mm	Cal-qtz-MoS2 vn bx. Qtz-py-MoS2 vein. CONTACT	none	Very sharp contact, weakly chilled in aplite.	10 20 30 40 50 60 70 80 90			36%	617		100%	610-617	9959 0.03		0.042	
						Contact marked by Kf-qtz-MoS2-py-cp vein bx. Cp-py blebs, qtz-MoS2 vnlt clasts, hem.	QM	wk	630		623: 75 624: 50 628: 28 629: 30	4-6mm 3-4mm 1mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Ser slip into contact. Slip at contact.	str Kf none ser		10 20 30 40 50 60 70 80 90			98%	627		100%	617-629	9960 0.03		0.094	

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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	30	30	10	f-gr	6	**629-702: Aplite/QFP:** pale pink, weakly porphyritic with glassy qtz eyes, sauss feldspars.	Apl	wk	640		630: 50 630: 70 633: 72 636: 60 637: 60	5mm 2mm 9- 14mm 10mm	Qtz, min MoS2 vnlt. Qtz-MoS2 vnlt. Good qtz-MoS2 vein. Good qtz-MoS2 vein. Pale green f-gr dyke.	none	Less aplitic, more finer qtz-feld phenos. Soft ser dyke, cal veining at				72%	637		100%	629-640	9961		0.123	
																												0.06			
						Continues as medium-grained QFP. 643-645: mod fractured.	Apl	wk	650		641: 45 643: 55 645: 58 647: 58 649: 10	2-6mm 2mm 7mm 7-8mm 1mm	Qtz-MoS2 stwk vns. Qtz-MoS2 vnlt. Qtz-MoS2-py vein. Qtz-MoS2 vein. Ser-cal fracture.	none	649: Fracture cuts sig 1-3mm qtz-MoS2 stwk.				59%	647		100%		9962		0.073	
																												0.06			
						651: Wk qtz-MoS2 stwk, 1-3mm vnlts. 653: Increasing fracturing, fine qtz-MoS2 stringers continue.	Apl	wk	660		652: 20	2mm	Qtz-MoS2-py-hem	none					40%	657		100%		9963		0.113	
																												0.04			
						666-666.5: Sheared f-gr, olive dyke, slip planes @ 45 to c.a. 667-702: Decreased fracturing and veining.	Apl	wk	670		663: 55	1-3mm	Qtz-MoS2 vnlts (2).						7%	667		95%		9964		0.113	
																												0.04			
						672.5-673.5: 35cm thick f-gr olive dyke.	Apl	wk	680		672.5: 60 672.5: 60 673.5: 60 677: 50 679: 42	12mm 10mm 16mm 2-6mm 1-3mm	Qtz-MoS2 vein. Calcite vein. Qtz-MoS2 vein. Qtz-MoS2-py vnlts. Qtz-MoS2 vnlts.	none	Along dyke selv. Along dyke selv. Along dyke selv.				59%	677		100%		9965		0.124	
																												0.06			
						Weakly fractured to 687 feet, mod fractured 687-688.5.	Apl	wk	690		685: 55	1-3mm	Qtz-hem-MoS2 vnlt.						70%	687		100%		9966		0.036	
																												0.03			
						696.5: Weak stwk of qtz-MoS2 stringers, <1mm thick.	Apl	wk	700		690: 65 693: 45 698: 35	1-3mm 1mm 1mm	Qtz-cal-MoS2 vnlt. Qtz-MoS2-py vnlts. MoS2 on fracture.	ser	Minor shear. Several stringers. Strong MoS2.				44%	697		100%	690-702	9967		0.080	
																												0.03			
20	40	35	5	cgr	6	**702: Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk to mod kaol	710		702: 60 706: 35 709: 50	15cm 1mm <1mm	Cal-qtz-clay-hem-MoS2. C-gr py on fracture. Qtz-MoS2 stringers.	----- str Kf	702: 15cm sheared, veined, bx'd contact. Weak veining.				72%	707		100%	702-710	9968		0.032	
																												0.03			

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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 QM**: mottled, cream & pink; coarse grained to weakly porphyritic.	QM	wk kaol			711: 60 715: 26 717: 55 ------ 717: 45	1cm <1mm 1mm ------ 1mm	Minor grey gouge. Ser-cal-hem fracture. Qtz-MoS2 stringer. ------ Cal-clay contact.		Mottled pink and green, competent. Only occ qtz-MoS2 stringers. F-gr, olive, wk por.				69%	717		100%	710-717	9969 0.02	0.055
						717: Basalt Dyke:			720																
						720: Endako QM: as before. Continuing very competent, rel fresh-looking.	QM	wk kaol	725		720: 40 721: 50 723: 45 723.5: 40	1mm 1-2mm 1mm 1-2mm	Broken lower contact. Qtz-MoS2 vnlt. MoS2, wk ss, fracture. Qtz-MoS2 vnlt.	none	Contacts chilled.				52%	725		88%	717-720	9970 <0.01	0.016
						725': END OF HOLE																		720-725	9971 0.02	0.113

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Location	Endako Pit	Bearing	00	Latitude	30289N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 23, 2002	Length	317 ft	Departure	26746E	Scale of Log		Date	24-Apr-02
Date Completed	April 23, 2002	Dip	-90	Elevation	2665 feet	Remarks	West end, south wall from pit bottom.		

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																										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				
						Cased to 13 feet.			10																				
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod to str kaol	20		13: ?? 14: 80 15: 55 15: 30 19: 40	5mm 4cm 5cm 7cm 2mm	Fine py cubes. Str qtz-MoS2 vein. Gougy flt along hw of large qtz-MoS2 vein. Gougy slip.		13: Qtz-MoS2 vein. Assoc str kaol.				15%	13 17		95%		10050		0.400	
																											0.20		
						13-28: Crumbly due to str kaol assoc with qtz-MoS2 veins and gougy faults.	QM	mod to str kaol	30		22: 20 25: 80 27: 45 30: 40	3cm 1cm 2mm 1mm	Series of gougy slips. Qtz-MoS2 vein. Minor gougy fault. Qtz-MoS2-py vnlt.		Well-fractured. - - Pale ser selvage, white 5mm qtz vn.				32%	27		100%		10052		0.069	
																											0.08		
						Competent, mod fractured.	QM	wk to mod kaol	40		31: 75 33: 10 35.5: 75 38: 12	<1mm 5mm <1mm 1mm	Fine py cubes, no qtz. Str gougy fracture. Fine MoS2 on frac. Ser-cal fracture/slip.						59%	37		100%		10053		0.054	
																											0.10		
						Several narrow (<1mm) qtz-MoS2 vnlts noted. Weak kaol, weak to mod ser (sausseritized), wk Kf.	QM	wk to mod kaol	50		40: 75 41: 70 45.5:80 46: 80 47: 55	1mm 5-7mm 5-7mm 1mm 8mm	Qtz-MoS2 vnlts Qtz-MoS2 vn. Qtz-MoS2 vn. MoS2 & py on frac. Qtz-MoS2 vn; irreg.	mod Kf wk ser - - mod Kf	Cut by py vnlt. Minor calcite.				61%	47		100%		10054		0.087	
																											0.10		
						Weak fracturing. Narrow qtz-MoS2 vnlts become less frequent.	QM	wk to mod kaol	60		51.5: 90 51.5: 30 53: 20 54: 70 55: 45	3mm 4mm 1mm 5-7mm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Ser-cal fractures. Qtz-MoS2-py vein. Qtz-MoS2 vnlt.	Str Kf	Some diss MoS2 in poorly defined qv's. Pyrite as stringer within qv.				89%	57		100%		10055		0.083	
																											0.08		
						Continues quite pyritic (1%).	QM	wk to mod kaol	70		60: 45 61: 70 65: 70 65: 80 67.5: 70	2-3mm 1mm 1mm 1-2mm 1mm	MoS2-qtz vnlt. Qtz-MoS2 vnlt. C-gr py, hem. Qtz-MoS2 vnlt. MoS2-qtz vnlt.	Str Kf Str Kf Str Kf Str Kf Str Kf	70: Kf zone with MoS2 on fracture @ 40 to c.a.				94%	67		100%		10056		0.101	
																											0.07		

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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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk to mod Kf	80		70: 25 80: 25	1-5mm 1-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	Str Kf Str Kf	Kf 2-3cm. Kf 1-2cm. Weakly fractured, less veining.				83%	77		90%		10057 0.04		0.050	
						83-89: Fault: gougy, esp 85-87', several qtz-MoS2 veins, minor MoS2 in gouge. 87-90: Orange Kf, frac.	QM	str Kf	90		81: 50 81.5: 70 83: 55 83-84 84: 50	1cm 2cm 5-6mm -- 8mm	Qtz-MoS2 vein. Str qtz-MoS2 vein. Qtz-MoS2 vein. Kaol-ser gouge, MoS2. Qtz-MoS2 vein.	Str Kf Str Kf Str Kf Str Kf Str Kf	Mainly qtz. - - Strong shear.				43%	87		100%		10058 0.12		0.177	
						93-95: Fault; mainly kaol ser gouge, cemented with calcite. Parallel to qtz-MoS2 veining.	QM	wk to mod Kf	100		90.5: 55 92: 60 93: 65 95: 65 99: 75	1-2mm 16mm 4cm 18cm 15mm	Qtz-MoS2 vnlt. Qtz-MoS2-py vein. MoS2-rich gouge. Kaol-MoS2 gouge. Qtz-py-MoS2 vein.	Str Kf Str KF Kaol Kaol Str Kf	A couple of vnlts.				54%	97		100%		10059 0.12		0.182	
						108-112: Mod kaol, esp sauss feldspars.	QM	wk to mod Kf	110		100: 70 102: 70 102.5: 25 104: 70	1mm 1-5mm 1mm 1mm	Polished MoS2 frac. Irreg MoS2-qtz vnlt. Cal-ser-kaol fracture. Qtz-MoS2 vnlt.	wk Kf mod Kf none Str Kf					62%	107		100%		10060 0.05		0.065	
						Thin qtz-MoS2 stringers and vnlts continue with assoc Kf selvages.	QM	wk to mod Kf	120		110.5: 75 111: 60 115: 25 117: 30	1mm 1-2mm 2mm 1mm	C-gr py, MoS2 fract. Qtz-MoS2 vnlts (4). Qtz-MoS2 vnlt. Ser-kaol-cal fracture.	Str Kf Str Kf Str Kf	Weak vnlt stwk. 117: Magnetite patch to 5mm.				76%	117		100%		10061 0.07		0.080	
						120-126: Pink mottled QM, gives way to bleached kaolinized section weakens to 141'.	QM	mod to str kaol	130		122: 55 123: 70 127: 35 128: 65	1mm 1-2mm 2cm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt, irreg. Kaol gouge, min MoS2. Qtz-MoS2 vnlt.	Str Kf Str Kf Kaol Str Kf	C-gr MoS2. C-gr MoS2. Sheared. Str kaol zone.				80%	127		100%		10062 0.04		0.081	
						Low angle calcite and f-gr qtz-albite vnlts. Continuing bleached.	QM	wk to mod Kf	140		132: 70 132: 10	1mm 1-2mm	MoS2-qtz vnlt. Calcite vnlts.	Str Kf					86%	137		100%		10063 0.04		0.087	
						147-148.5: Incr Kf. 148.5-155: Pink to grass green, str altered section. Several gougy slips but quite	QM	wk to mod Kf	150		142: 60 144: 70 145: 80 148.5: 90 149: 75	1mm 1mm 1mm 1mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt, MoS2 on fracture. Polished MoS2.	Str Kf Str Kf Str Kf Ser Ser	C-gr py on several fractures.				99%	147		100%		10064 0.12		0.087	

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Rock Types & Alteration								Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																	Fractures		Slickensides Core angle							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		RQD	Footage Blocks	Specific Gravity	% Core	% Sludge	Core	Sludge	Core	Sludge
																								Estimate Grade		Combined	
																								%MoS2	%MoS2		
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	str kaol	160		150: 50 155: 80 159: 15	1mm 16mm 1mm	Polished MoS2 Qtz-MoS2 vein. Mainly calcite-ser.	-- Str Kf	Slip planes. 155- Mottled orange-green.	10 20 30 40 50 60 70 80 90			90%	157		100%		10065		0.064	
																										0.04			
						Colourful orange and waxy green mottled c-gr QM.	QM	wk to mod kaol	170		160: 80 167: 80	13cm 1mm	Bright orange Kf-flood. C-gr MoS2 on fracture.	Str Kf Str Kf		10 20 30 40 50 60 70 80 90			95%	167		100%		10066		0.057	
																										0.03			
						Continuing colourful mottled appearance.	QM	wk to mod kaol	180		170: 70 175: 75 176: 80 176.5: 75	2-3mm <1mm 5mm 8mm	Qtz-min MoS2 vnlt. C-gr py on fracture. Qtz-min MoS2 vnlt. Qtz-MoS2 vnlt.	Str Kf Str Kf Str Kf Str Kf	2-3cm Kf flood. Rough fracture. Sharp selvages. Vnlts extend to 177'.	10 20 30 40 50 60 70 80 90			91%	177		100%		10067		0.054	
																										0.03			
						Continuing colourful mottled appearance. 187-190: Incr Kf-flooding with assoc pyrite, minor MoS2 & qtz.	QM	wk to mod kaol	190		185: 75 186: 90	1mm <1mm	Ser-hem fracture. C-gr py, finer MoS2	Str Kf Str Kf	Kf flood over 1cm. Blebby sulphides.	10 20 30 40 50 60 70 80 90			92%	187		100%		10068		0.031	
																										0.03			
						191-192: Qtz-MoS2 vnlt stwk. 200: Calcite vein, 1cm thick @ 90 to c.a., with minor sheared MoS2.	QM	wk to mod kaol	200		190: 75 191.5: 45 193: 40 194: 75 199: 65	12mm 5mm 10mm 1mm 2mm	Dark qtz-lim vein. Qtz-MoS2 vnlts. Qtz-MoS2 vein. Str MoS2 on fracture. Qtz-MoS2 vnlt.	Str Kf Str Kf Mod Kf Str Kf. Str Kf	MoS2 below vein.	10 20 30 40 50 60 70 80 90			78%	197		100%		10089		0.102	
																										0.08			
						203: Becomes greener, more sericitic (kaol), marked by discontinuous qtz-MoS2 vnlt.	QM	wk to mod kaol	210		205.5: 70 207: 85 208: 85 209.5: 60	1mm 1mm 2mm 1-6mm	Qtz-MoS2 vnlt. MoS2 on fracture. Qtz- MoS2 vnlt. Blk irreg vnlt.	Str Kf Wk Kf Wk Kf	208-209: Kf-flood.	10 20 30 40 50 60 70 80 90			84%	207		100%		10070		0.081	
																										0.08			
						Greenish, gradually becoming pinker.	QM	wk to mod kaol	220		213: 45 213: 35 214: 85 218: 55 219: 65	5mm 2mm 10mm 2mm 4mm	Qtz-MoS2 vnlt. Calcite vnlt, irreg. 2 Qtz-MoS2 vnlts. MoS2-qtz vn, polished. Qtz-MoS2 vnlt.	Str Kf -- Str Kf Str Kf Mod Kf		10 20 30 40 50 60 70 80 90			61%	217		100%		10071		0.128	
																										0.06			
						Mottled pink & green, *minor Kf-flooding*, narrow qtz-MoS2 vnlts, diss MoS2, later py along dry fractures.	QM	wk to *mod* kaol	230		227: 70 228: 70	5-9mm --	Qtz-MoS2 vnlt. *Bands of pink Kf, grey* qtz, and green ser-kaol.	Str Kf	220-222: Series of fractures @ 20 c.a. 224-227: Mod fracturing @ 20-35	10 20 30 40 50 60 70 80 90			56%	227		100%		10072		0.079	
																										0.04			

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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	30	10	cgr		6 **Endako Quartz Monzonite**: Mottled orange & green, minor Kf-flooding, narrow qtz-MoS2 vnlts.	QM	mod kaol	240		231: 40 232.5: 70 233: 45 238: 45 238.5: 50	1mm 5cm 5-7mm 1-2mm 5-6mm	MoS2-qtz vnlt. Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	No Kf Str Kf Mod Kf -- --	-- Calcite. -- Becomes greener. Cal @ 60, 15mm.				97%	237		100%		10073 0.08		0.081	
						Larger more frequent veins. 249: Hi-grade qtz-MoS2 vein, vuggy, 9cm thick @ 55 to c.a.	QM	mod kaol	250		240: 45 241: 45 242: 45 247.5: 60 248: 25	10mm 3cm 3-10mm 8-10mm --	Qtz-MoS2 vein Qtz-MoS2-chl vn. Qtz-MoS2 vein. Qtz-MoS2 vein. Sharp altn contact.	Str Kf Str Kf Str Kf Str Kf Kaol	Cut by healed cal-ser shear. irreg MoS2 selvages.				98%	247		100%		10074 0.20		0.217	
						Mainly green, mod ser, gougy slips, becoming pinker. 251-258: Mainly green, increasing Kf.	QM	mod kaol	260		250.5: 55 251: 35	15mm 25mm	Qtz-MoS2 vein. MoS2 in shear.	No Kf Kaol	MoS2 in kaol-ser gouge. 258- Mottled pink, pale green.				61%	257		100%		10075 0.12		0.091	
						Pink and green mottled, becoming less fractured ~ 267'.	QM	mod kaol	270		261: 5 265: 80 266: 70 268: 25	<1mm 8mm 2-3mm 1mm	Calcite-ser fracture. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt. Kaol-ser fracture.	Kaol Str Kf Str Kf No cal, waxy	Rough fracture.				63%	267		100%		10076 0.06		0.060	
						As above, less veining & fracturing. 277-281: Kf-flood.	QM	mod kaol	280		270: 40 278: 70 279: 80	2cm 1-3mm 2mm	Qtz-MoS2 vein. Weak vn, blebby MoS2. MoS2 vnlt.	Str Kf Str Kf Str Kf	F-gr MoS2. Assoc with blk vein bx, cal vn @ 50 to c.a.				94%	277		100%		10077 0.07		0.080	
						281-282: F-gr Aplite Dyke; uc & lc @ 50 to c.a., not sheared or fractured.	QM	mod kaol	290		282: 45 283: 30 286: 30 287: 70 287.5: 60	12mm 2-3mm 2mm 1mm 1mm	Ser-kaol shear. MoS2 slip plane. Kaol-qtz-MoS2 vnlt. MoS2 slip. MoS2-qtz vnlt.	Kaol Str Kf Wk Kf Str Kf Str Kf	287-287.5: Kaol-ser cal zone, Kf on both contacts.				88%	287		100%		10078 0.07		0.134	
						Pink mottled section, clean qtz-MoS2 vnlts with str Kf selvages. 296-298: 20% dark flaky chl-bi spots.	QM	mod kaol	300		291: 30 294: 40 296: 70	6mm 3-5mm 8mm	Qtz-min MoS2 vnlt. Qtz-min MoS2 vnlt. Qtz-MoS2 vnlt.	Str Kf Str Kf Str Kf	Assoc f-gr py. MoS2 selvage. Good MoS2.				97%	297		100%		10079 0.08		0.070	
						Pink, pale greenish, Kf-flooding along vnlts & fractures.	QM	mod kaol	310		302: 30 304.5: 30 306.5: 45 307: 45 309: 45	2mm 2cm 8mm 1mm 1mm	MoS2 slip. Qtz-cal vn bx. Qtz-MoS2 vnlt. MoS2 slip. Qtz-MoS2 vnlt.	Str Kf Kaol Mod Kf Str Kf. No Kf	-- Milky appearance. MoS2 slip.				76%	307		100%		10080 0.04		0.091	

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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 (Combined)
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: fresher, less veining.	QM	wk kaol	317		311.5: 40 313: 35 315.5: 65 315.5: 40 316.5: 65	4mm <1mm 2-3mm 3-4mm 1mm	Chalcedony-qtz vn. Py on dry fracture. Qtz-min MoS2 vnlt. Qtz-chalcedony vnlts. Qtz-MoS2 vnlt.	-- Wk Kf Mod Kf No Kf Str Kf	Banded vein. Chalcedony postdates Kf, qtz-MoS2. Chalc @ 40 to ca.				87%	317		100%		10081		0.033	
																								0.02			
						317': END OF HOLE																					

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Location	Endako Pit	Bearing	00	Latitude	30171N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 23, 2002	Length	317 ft	Departure	26891E	Scale of Log		Date	25-Apr-02
Date Completed	April 24, 2002	Dip	-90	Elevation	2664 feet	Remarks	West end, south wall from pit bottom.		

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		
						Cased to 14 feet.			10																			
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	20		15: 30	<1mm	Cal-ser fracture, semi-rough, planar. 17-19: Rubbly.		Mod fractured, frech-looking, pink-grey mottled.				57%	14 17		100%		10082		0.062	
																								0.04			
						20-22: Bleached, susser feldspars. 22- Fresh QM. 29.7: 10mm qtz-MoS2 vnlt, str Kf, @ 70 to c.a.	QM	wk kaol	30		20: 50 20: 45 24: 70 27: 55 29.5: 45	5-6cm 3cm 5mm <1mm 2-3mm	F-gr calcite vein. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Py on dry fracture. Qtz-MoS2 vnlt.	-- str Kf str Kf none str Kf	Qtz-MoS2 stringers cut by late calcite vnlts.				61%	27		100%		10083		0.126	
																								0.15			
						Continues weak to mod sausseritized. 32-33: Series of kaol-cal fractures @ 0-10 to c.a.	QM	wk kaol	40		31: 55 34: 55 35: 45 36: 75 37: 80	2mm <1mm 5-6mm 22mm 1mm	Qtz-MoS2 vnlt. C-gr py cubes Qtz-MoS2 vnlt. Qtz-MoS2 vein. MoS2 on fracture.	mod Kf mod Kf str Kf wk Kf	Cut by kaol str. Dry fracture. Good MoS2. Assoc vnlts.				72%	37		100%		10084		0.028	
																								0.12			
						As above.	QM	wk kaol	50		42: 40 44: 70 45.5: 35 50: 70	5mm 2-8mm 2mm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf wk Kf str Kf.	---- Kf over 10cm.				96%	47		100%		10085		0.095	
																								0.06			
						More pink-greenish mottling.	QM	wk kaol	60		51: 20 52: 15 56.5: 40 58: 55 60: 0-10	2.5cm 2-5mm 2-3mm 1-2mm 2-3mm	Ser-kaol-cal-MoS2. Ser-kaol shear. Qtz-MoS2 vnlt. Calcite-MoS2. Calcite vnlts.	kaol kaol str Kf mod Kf	Gougy shear. Irreg qtz-MoS2-py in fw. MoS2 slip w cal.				89%	57		100%		10086		0.088	
																								0.08			
						As above. 64-67: Pale green ser-kaol (sauss) - still hard & competent.	QM	wk kaol	70		61: 37 66: 55 69: 60	1-2mm 7cm 3mm	Calcite-MoS2. Qtz-MoS2 vein. Calcite- MoS2 vnlt.	wk Kf wk Kf str Kf	Weak slicks. Cal vnlts, bx'd on fw, good MoS2.				96%	67		100%		10087		0.496	
																								0.15			

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																	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	30	10	cgr		6 **Endako Quartz Monzonite**: Mainly mottled pink & green; green 79-80'.	QM	wk to mod Kf	80		72: 60 75: 80 75.5: 45 79: 25 80: 50	8cm 3mm 2mm 6mm 2mm	Ser-kaol-py vein. Qtz-MoS2-cal vnlt. MoS2 on fracture. Qtz-hem-MoS2? Qtz-MoS2 vnlt.	kaol wk Kf str Kf no Kf wk Kf	Vuggy on fw. 79.5: Ser-kaol shear, min py, Mo @ 30 to c.a., kaol gouge @ 45 to				78%	77		100%		10088 0.05		0.066	
						Mottled pink-green. 84: Irregular patch of qtz-hem-chl.	QM	wk to mod Kf	90		81: 45 86: 45 86.5: 35 88.5: 50	1mm <1mm 1-2mm 7mm	Calcite-MoS2 shear. Pyrite+hem on fracture. Qtz-MoS2 vnlt. Qtz vein, irreg selvage.	none str Kf str Kf none					74%	87		100%		10089 0.05		0.048	
						Relatively fresh, weak veining.	QM	wk kaol Kf	100		90.5: 20 98: 15	2-3mm 1mm	Qtz-hem-MoS2 vnlt. Cal-ser fracture, mod rough.	ser	Mafic xenoliths, 1-4cm, round.				88%	97		100%		10090 0.04		0.056	
						As above.	QM	wk kaol Kf	110		104: 45 105: 55 107: 40 108: 50	<1mm 5mm 1mm 4mm	C-gr cubic pyrite. Qtz-hem-MoS2-py. Qtz-MoS2 vnlt. Qtz-py-kaol, cuts qtz-MoS2 vnlt.	str Kf wk ser wk Kf str Kf					93%	107		100%		10091 0.03		0.033	
						As above.	QM	wk kaol Kf	120		111: 35 111: 50 112: 65 118: 5 118.5: 60	1-3mm 1-2mm 2-3mm 1mm 5mm	MoS2-qtz vnlt. C-gr pyrite. Qtz-py-MoS2 vnlt. Ser-kaol-cal fracture. Qtz-MoS2 vnlt.	str Kf str Kf str Kf kaol mod Kf	Pinch & swell. -- Py after qtz-MoS2. Mod rough. 5mm displ.				88%	117		100%		10092 0.04		0.144	
						As above, begin to see incr sauss ~124', str kaol to 133'.	QM	mod to str kaol	130		122: 45 125: 65 125: 10 129: 15	1-4mm 3cm 1-2mm 1cm	Qtz-min MoS2 vnlt. Qtz-MoS2-cal vnlt. Cal-kaol fracture. Cal-kaol seam.	str Kf str Kf kaol kaol	MoS2 along selv. MoS2 fw slip. Undulatory. Gougy.				81%	127		100%		10093 0.10		0.087	
						Crumbly ~130', increasingly competent, lose str sauss, but veining increases.	QM	wk to mod kaol	140		131: 35 132: 40 133: 60 137: 5 139: 35	4mm 2cm 15mm 1-2mm 12mm	Qtz-MoS2 vnlt. Fault; kaol-rich. Qtz-hem-MoS2 vnlt. Kaol-ser-hem fracture. Qtz-MoS2 (cal) vnlt.	no Kf kaol ser kaol ser	Cut by low-angle kaol fracture. Weak MoS2. Continuous.				81%	137		100%		10094 0.08		0.084	
						Fresh-looking, very weak veining. 149-150: Mod fractured.	QM	wk kaol	150		140: 55 143.5: 35 148.5: 40	1mm <1mm <1mm	Qtz-MoS2 vnlt. Kaol-hem slip. Qtz-MoS2 stringers.	wk Kf kaol no Kf	Hairline stringer. Gougy, smooth. Hairline stringers.				94%	147		100%		10095 0.03		0.054	

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Rock Types & Alteration: Qtz	Plag	K-Spar	Mafic	Texture	Hardness	Rock Name / Appearance	Graphic Log: Rock Type	Alteration	Footage	Structure	Mineralization and Structures: Angle to Core Axis	Width of Vein	Mineralization / Faulting (Type)	Envelopes (Type)	Remarks	Rock Qualities: Fractures Core angle	Fractures Frequency	Slickensides Core angle	RQD	Footage Blocks	Specific Gravity	Recovery: % Core	% Sludge	Assay Results: Sample Number Core / Estimate Grade %MoS2	Sample Number Sludge / Estimate Grade %MoS2	%MoS2 Core / Combined	%MoS2 Sludge
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: 151-156: Increase in kaol esp sauss feldspars; fractured above	QM	mod kaol	160		152: 70 157.5:65 157.5: 50	9cm 4mm 12mm	Blk & pale green vn. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	kaol str Kf mod Kf	Strong hw slip. Gougy fw slip. Cut by above slip. 156: Hem red, green.				63%	157		100%		10096 0.04		0.062	
						156-167: Mottled pink & green, mod kaol (str sauss). 167-176.5: Fresh-looking QM, little	QM	mod kaol	170		160: 60 160.5: 85 163: 80 163.5: 80 166.5: 75	<1mm 12cm 1-2mm 12mm 4mm	Contact, subtle altn. Blk + f-gr MoS2, qtz. Wk qtz-MoS2 vnlt. Qtz-tr MoS2 vein. Calcite-MoS2 vnlt.	kaol wk Kf wk Kf mod Kf str Kf	Hem red to Kf. Becomes matrix-supported vein bx. Irreg qtz vein.				87%	167		100%		10097 0.03		0.222	
						175-176.5: Several round mafic xenoliths. 176.5-190: Increased kaol-sausseritized feldspars.	QM	wk kaol	180		172: 35 172.5: 25 176.5: 65 180: 33	2mm 1mm 1-2mm 1mm	Kaol-ser-cal fracture. Qtz-MoS2 stringer. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	kaol str Kf no Kf str Kf	Gougy. Hairline stringer. Contact back to mod sausser. Planar slip plane.				89%	177		100%		10098 0.03		0.058	
						186-189: Well-fractured, str kaol, rubbly. 188.5-190: Well-banded vein.	QM	str kaol	190		183: 25 184: 40 186: 35 187: 30 188.5: 15	8mm 1-2mm 2mm 1mm 15cm	Kaol-qtz-MoS2. Kaol-MoS2. Kaol-MoS2. MoS2 slip. Qtz-MoS2 vein.	kaol mod Kf Str Kf kaol Str Kf	Very gougy. Gougy. Gougy. Planar slip. >5cm bx on hw.				74%	187		100%		10099 0.20		0.446	
						190-207: Fresh-looking. 198-203: Mod fractured.	QM	wk kaol	200		190: 30 196: 30 199: 80	2mm 1-2mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt.	str Kf str Kf str Kf	Subparallel. As above. Min MoS2, py.				80%	197		100%		10100 0.05		0.087	
						207-208: Fractured, mod kaol. 208: 2cm gouge.	QM	wk kaol	210		202: 50 205: 60 207: 85 208: 30	3mm 2-4mm 2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Kaol slip	str Kf str Kf str Kf kaol	Parallel Kf-py vnlt.				62%	207		100%		10101 0.05		0.037	
						210-214.5: 53" piece of core.	QM	wk kaol	220		218: 60	<1mm	Py, biotite, min cp on rough fracture.	mod Kf	Fresh, almost unfractured and unveined.				87%	217		100%		10102 0.01		0.027	
						Continuing fresh-looking.	QM	wk kaol	230		220.5: 85 222: 65 227: 75 228: 50 230: 50	5-6mm 4-5mm 1mm <1mm <1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. C-gr py, bi on fracture. MoS2-py on fracture.	str Kf str Kf str Kf str Kf str Kf	Blebby py within. Blebby py within. Two within 2cm. Cubes.				99%	227		100%		10103 0.04		0.130	

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Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
																										Core	Sludge	Core	Sludge
																										Estimate Grade			
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	Combined	
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: coarse grained grey and fresh-looking.	QM	wk kaol	240		230.5: 15 234.5: 30 235: 65 238.5: 75 239: 85	2mm 2mm 2-3mm 5mm 3mm	3 parallel cal vnlts. Qtz-MoS2-py vnlt. Qtz-cal-MoS2-py. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	Cal str Kf str Kf str Kf str Kf	Min py. Py>MoS2.				89%	237		100%		10104 0.04		0.044	
						Continuing fresh-looking.	QM	wk kaol	250		241: 40 244: 50 250: 90	7mm 1mm <1mm	Qtz-min MoS2 vnlt. MoS2 on fracture. MoS2-py on fracture.	none mod Kf none				100%	247		100%		10105 0.02		0.101	
						Slightly paler colour, increased sausser.	QM	wk kaol	260		251: 25 253: 75 254: 75 259: 70	1mm 5mm 1mm 1-3mm	Green ser-kaol. Qtz-MoS2 vnlts - 2. MoS2 smear on frac. Qtz-MoS2 vnlt.	kaol str Kf str Kf str Kf	Soft gougy frac. Good MoS2. MoS2 slip.				87%	257		100%		10106 0.03		0.054	
						Continuing slightly greener and pinker. 265-268: Kaol gouge, minor fault.	QM	wk - mod kaol	270		261: 75 264: 45 265: 45 268: 65	5-6mm 1mm 1mm 2-4mm	Qtz-cal-MoS2-py vn. Gougy kaol fracture. MoS2 slip plane. Qtz-MoS2 vnlts.	wk Kf kaol kaol str Kf	Mainly qtz. Slick slip. Fine MoS2. Series, almost stwk of vnlts.				59%	267		100%		10107 0.03		0.052	
						269- Becoming fresher-looking, again.	QM	wk kaol	280		271: 40 272: 65 278: 55	2mm 1-2mm 7mm	Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf	Py-Kf selvages. Weak vnlt. Good MoS2.				92%	277		100%		10108 0.04		0.048	
						Continuing fresh-looking, weakly fractured.	QM	wk kaol	290		284.5: 70 286.5: 70 289: 05	1mm -- 1mm	Qtz- cal-py-hem vnlt. MoS2 blebs to 2mm. Calcite on fracture.	wk Kf none cal	-- No apparent vn. Rough fracture.				97%	287		100%		10109 0.02		0.030	
						Continuing fresh-looking, weakly fractured.	QM	wk kaol	300		291: 70 297: 50	2mm 4-5mm	Qtz-min Mos2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf	Weak MoS2. Mod MoS2.				83%	297		100%		10110 0.02		0.026	
						302: Increasing Kf, ser.	QM	wk kaol	310		300.5: 60 302: 25 303: 50 304: 65 306.5: 80	5mm 1mm 4mm 5mm 8cm	Qtz vn, assoc py. Hem-kaol-ser fracture Qtz vn, py-cp in Kf. Qtz-py vein. Clay-ser-kaol shear.	str Kf kaol str Kf str Kf kaol	Py-Kf in selvage. Rough slip. Weak vein. No MoS2. Slip plane @ 60.				90%	307		100%		10111 0.01		0.014	

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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
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: 311-315: Increasing kaol-ser. 315-317: Fresh-looking, pinkish.	QM	mod kaol	317		311: 35 313: 60 314: 40	1mm 8mm 1mm	Kaol, min cal fracture. Qtz-MoS2 vnlt. Cal-kaol vnlt/fracture.	kaol wk Kf kaol	-- Good MoS2.				74%	317		100%		10112 0.05		0.020	
						317': END OF HOLE																					

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Section		ENDAKO MINES			Hole No.	S-02-08		
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Location	Endako Pit	Bearing	187	Latitude	30148N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 24, 2002	Length	287	Departure	27277E	Scale of Log		Date	26-Apr-02
Date Completed	April 25, 2002	Dip	-68	Elevation	2622 feet	Remarks	West end, south wall from pit bottom.		

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		
						Cased to 15 feet.			10																				
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	20		15: ?? 15.5: 60 19: 60	3mm 1-2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 stringer.	wk Kf wk Kf wk Kf	Well fractured, bench subgrade.				25%	15 17		100%		10113		0.044	
																										0.06			
						Continuing mod fractured.	QM	mod kaol	30		21: 65 24: 70 27: 45 27: 5	20cm <1mm 2mm 1-2mm	Fault; kaol, MoS2. C-gr py, tr MoS2. Qtz-MoS2 vnlt. Waxy ser-kaol-cal.	kaol str Kf mod Kf kaol	Flt Bx, MoS2 slips. Fracture.				43%	27		100%		10114		0.152	
																										0.08			
						21: Irreg aplite dyke, 12 cm, orientation uncertain. 39.5-40: Qtz-MoS2 stwk, @ 20 & 60 to c.a.	QM	mod kaol	40		31: 45 33.5: 40 34: 20 36: 20	1mm 5mm 1-5mm 8mm	MoS2 on fracture. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Kaol seam, min flt.	str Kf str Kf str Kf kaol	Sheared. At least 2, fract'd. Good MoS2. Str fractured.				52%	37		100%		10115		0.194	
																										0.12			
						More competent, pink streaks (Kf), in rel fresh-looking QM. A few fine stringers f qtz-MoS2.	QM	wk kaol	50		43: 50 47: 15	4mm 1mm	Qtz-MoS2 vnlt. Kaol-cal fracture.	wk Kf kaol	Gouge on hw. Several fractures.				64%	47		100%		10116		0.052	
																										0.05			
						Continues as above. 52: 5cm rubble along fractures.			60		57: 90 58.5: 55	<1mm 2mm	C-gr py on fracture. Qtz-MoS2 vnlt.	str Kf wk Kf					63%	57		100%		10117		0.060	
																										0.04			
						As above.			70		61: 60 62.5: 45 66: 5 69: 60 69.5: 50	4cm 1-4mm 1mm 2mm 1-2mm	Qtz-MoS2 veins. Qtz-MoS2 vnlt. Cal-ser-kal frac. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf kaol str Kf strv Kf	Good MoS2. Small vnlt. Undulatory. Good MoS2.				63%	67		100%		10118		0.176	
																										0.10			

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Section		ENDAKO MINES	Hole No.	S-02-08
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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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk to mod Kf	80		71.5: 45 71.5: 70 77: 25	5mm 2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 on fracture.	wk Kf wk Kf none		10 20 30 40 50 60 70 80 90			66%	77		100%		10119 0.06		0.082	
						84-85: Good qtz-MoS2 vnlt stwk. 88.5-89: Well-fractured, otherwise very competent.	QM	wk to mod Kf	90		81: 10 84: 35 84.5: 55 88: 90	1mm 2-3mm 3-4mm 1mm	Talcy kaol fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Py-calcite fracture.	kaol str Kf str Kf str Kf	Low angle. Good MoS2. Good MoS2. 1cm Kf selvages.	10 20 30 40 50 60 70 80 90			63%	87		100%		10120 0.10		0.135	
						90-92: Well-fractured. Several fine qtz-MoS2 stringers. 99-104: Increased Kf & ser (kaol) altn.	QM	wk to mod Kf	100		92: 75 95: 65 98: 75 99: 80	9mm 5-7mm 6mm 3mm	Pale green kaol gouge. Qtz MoS2 & py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	kaol str Kf str Kf str Kf	Minor fault. White qtz vein. Good MoS2. "Contact".	10 20 30 40 50 60 70 80 90			56%	97		100%		10121 0.08		0.091	
						105.5-107: Aplite Dyke; uc @ 45, lc @ 50. F-gr pink-purple. Fine qtz-MoS2 stringers.	QM	wk to mod Kf	110		100: 50 101: 70 103.5: 70 107: 80 109: 65	2-3mm 25cm 2mm 3mm 1mm	Qtz-MoS2 vnlt. Kaol-MoS2 shear. Qtz-MoS2 vnlt. F-gr qtz-MoS2 vnlt. MoS2 on Kf fracture.	str Kf kaol str Kf none str Kf	Assoc with qv. Vf-gr MoS2. Sheared. Oblique to contact.	10 20 30 40 50 60 70 80 90			63%	107		100%		10122 0.08		0.056	
						Fresh-looking, weak veining. Approx 1% py. 118-119.5: Mod fracturing.	QM	wk kaol Kf	120		113: 60 119: 50	1mm 2mm	Qtz-MoS2 stringer. Qtz-MoS2 vnlt.	str Kf str Kf	Weak veining.	10 20 30 40 50 60 70 80 90			65%	117		100%		10123 0.04		0.031	
						-127: Fresh QM. 127-128: 3 Good qtz-MoS2 vnlts.	QM	wk kaol Kf	130		127: 45 127.5: 50 128: 50	10mm 4-9mm 2mm	Qtz-MoS2 vein. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	str Kf str Kf str Kf	Assoc 5mm vnlt. As above. Assoc qv.	10 20 30 40 50 60 70 80 90			66%	127		100%		10124 0.08		0.059	
						137.5: Fault @ 65 to c.a, into 2cm gouge. Bleached and fractured to 141', occ MoS2 slip.	QM	wk to mod Kf	140		133.5: 40 133.5: 35 138: 60 138.5: 65	4mm 1mm 5mm 6cm	Qtz-MoS2-lim vnlt. Kaol-hem slip. MoS2 slips, flt bx. Qtz-MoS2 vein.	str Kf kaol kaol str Kf	Strong lim-hem. Bright red. Part of fault. Weak bx'd.	10 20 30 40 50 60 70 80 90			57%	137		100%		10125 0.15		0.280	
						140.5-143: Orange mottled. 143-147: Mod kaol. 147-153: Weak kaol & Kf.	QM	wk to mod Kf	150		140.5: 55 144.5: 80 145: 10 149: 45 149: 45	1mm 4mm 1mm 15mm 10mm	Polished MoS2. Qtz-MoS2 vnlt. Gougy fractures. Qtz-MoS2 vein. Qtz-MoS2 vein.	kaol str Kf kaol str Kf str Kf	"Contact" Normal vnlt. Stwk. Strong vein. Fractured vein.	10 20 30 40 50 60 70 80 90			69%	147		100%		10126 0.12		0.214	

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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
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: 150.5-152: MoS2 slip @ 10 to c.a.	QM	mod kaol	160		150.5: 15 153: 25 153.5: 45 153.5: 10 160: 60	2mm 8mm 1mm 1mm 4cm	Polished MoS2. Gougy kaol fracture. Polished MoS2 slip. Polished MoS2 slip. Str qtz-MoS2 vein.	kaol kaol kaol kaol str Kf	MoS2 slip. Weak shear. Curved slip. Splits core. Kaol altn	10 20 30 40 50 60 70 80 90			44%	157		100%		10127 0.15		0.139	
						160-161: Orange Kf, bleached by mod kaol.	QM	mod kaol	170		161.5: 45 164: 75 167: 75 169: 65 170: 10	1-4mm 1-2cm 2-3mm 3-4mm 1mm	Qtz-MoS2 vnlt. Kaol-MoS2 shear. Qtz-min MoS2 vnlt. Qtz-min MoS2 vnlt. Cal-kaol-ser fracture.	str Kf kaol str Kf str Kf kaol	2 subparall vnlts. Pale gn gouge. F-gr MoS2. Cuts mafic xenoliths.	10 20 30 40 50 60 70 80 90			55%	167		100%		10128 0.05		0.027	
						170-184: Mod-str kaol, mainly shears & sauss feldspars. 172-180: Wk to mod kaol.	QM	mod to str kaol	180		171: 50 171.5: 75 174: 15 175.5: 70 176.5: 70	1cm 5-8mm 1mm 2-3mm 2-3mm	Kaol gougy shear. Kaol-MoS2? shear. Kaol-cal fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	kaol kaol cal mod Kf mod Kf	Green gouge. F-gr MoS2. Rough. Cut by gougy shear @ 60 to c.a.	10 20 30 40 50 60 70 80 90			70%	177		100%		10129 0.06		0.055	
						180: 40cm shear zone, str kaol, several gougy slips, min MoS2.	QM	wk to mod kaol	190		180: 90 180.5: 30 181.5: 60 163.5: 65 189: 48	<1mm 3cm <1mm 8mm 10mm	MoS2 slip. Kaol gouge, qtz-MoS2. MoS2 slip. Dark clay slip. Qtz-MoS2 vein.	kaol kaol kaol kaol wk Kf	Top of shear. Gouge on vn. Bottom of shear. MoS2? Prob no. Good vein.	10 20 30 40 50 60 70 80 90			88%	187		100%		10130 0.08		0.070	
						184-200: Weak altn. 195-196: Brittle fracturing, calcite.	QM	wk kaol	200		199: 5	5-8mm	Cal-chalcedony vein.	cal	Strong vein.	10 20 30 40 50 60 70 80 90			70%	197		100%		10131 0.02		0.034	
						Fracturing related to calcite veining.	QM	wk kaol	210		202: 60 202.5: 40 206: 60 208: 10 210: 80	2mm 15mm 1-2mm 1mm 1-2mm	Qtz-MoS2 vnlt. Vuggy cal-chal vein. Qtz-MoS2 vnlt. Cal-ser fracture. Qtz-MoS2 vnlt.	wk Kf cal wk Kf kaol wk Kf	Disrupted by cal. Cal crystals vugs. Rough, near cal vn.	10 20 30 40 50 60 70 80 90			73%	207		100%		10132 0.02		0.037	
						Continuing weakly altered but mod fractured by calcite veining.	QM	wk kaol	220		211: 45 212: 40 219: 40	2-3mm 1mm <1mm	Qtz-MoS2 vnlt. C-gr MoS2 & py. Typical fracture.	none none cal	Good MoS2. Fracture min'l. Weak clay, planar.	10 20 30 40 50 60 70 80 90			57%	217		100%		10133 0.02		0.019	
						220-221.5: Mod kaol.	QM	wk kaol	230		221: 45 225: 70	8-9mm 1mm	Qtz-MoS2 vn/shear. MoS2 on fracture.	mod Kf str Kf	50% gouge. Not sheared.	10 20 30 40 50 60 70 80 90			30%	227		100%		10134 0.04		0.052	

Section		ENDAKO MINES	Hole No.	S-02-08
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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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	240		235: 40 237.5: 50	10mm 2mm	Qtz-mag-MoS2 veln. Qtz-MoS2 vnlt.	mod Kf mod Kf	Black magnetite. Limited fracturing and veining.				74%	237		100%		10135		0.019	
						241-244: Kf running along core, adjacent to structure.	QM	wk kaol	250		240: 65 240: 15 243: 50	1mm 1mm 1mm	MoS2 on fracture. MoS2 on fracture. MoS2 on fractures	none none none	MoS2 on several fractures. Dominant fracture.				77%	247		100%		10136 0.04		0.022	
						250-260: Mod fractured. 253-254: Str fractured.	QM	wk kaol	260		255: 40 255: 40 257: 65 258.5: 70	3cm -- 3mm <1mm	Dark slip on u/c. Pale kaol slip. Qtz-min MoS2 vnlt. F-gr MoS2 on fract.	kaol kaol str Kf none	Str kaol between slips, qtz vnlt. F-gr MoS2 in vnlt & selvage.				45%	257		100%		10137 0.03		0.038	
						Fresh-looking Qm, less fractured, little veining.	QM	wk kaol	270		268.5: 10	3-5mm	Qtz-MoS2-cal vein.	cal	Strong polished MoS2, remob.				75%	267		100%		10138 0.08		0.039	
						268-276: Orange Kf and sauss plag stand out. Increased altn due to fracturing and weak shearing.	QM	wk kaol	280		271: 20 273: 75 274: 35 276: 40 279: 40	1mm <1mm 3cm <1mm <1mm	Polished clay fract Polished MoS2 slip. Kaol gouge, MoS2. MoS2 on fracture. Sheared MoS2-hem	kaol -- kaol none hem	Planar slip. Smooth, planar. Slickensides. Sheared. Slickensides.				41%	277		100%		10139 0.04		0.039	
						Relatively fresh-looking, less fractured.	QM	wk kaol	287		282: 40 283: 50 284: 35	2-3mm 1mm 1cm	Qtz-MoS2-py vnlt. MoS2-kaol slip. Split calcite vein.	wk Kf wk Kf none	Offset by thin qtz-MoS2 stringer.				55%	287		100%		10140 0.03		0.019	
						287': END OF HOLE																						

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Location	Endako Pit	Bearing	187	Latitude	30056N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 26, 2002	Length	287	Departure	27535E	Scale of Log		Date	27-Apr-02
Date Completed	April 26, 2002	Dip	-68	Elevation	2621 feet	Remarks	West end, south wall from pit bottom.		

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		
						Cased to 12 feet.			10						Not recovered.	10 20 30 40 50 60 70 80 90												
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	20		13: 45 16: 40	< 1mm <1mm	MoS2 on fracture. MoS2 on curved frac. 18: Sharp transition to brick red Kf zone.	wk Kf wk Kf	Rubble to 14', then mod fractured.	10 20 30 40 50 60 70 80 90			5%	15 17		90%		10141 0.05		0.047	
						20-23: Orange Kf & mod kaol zone. **23-24.5: FAULT;** black gougy bx, rubbly.	QM	mod kaol	30		23: 30 25.5: 45 27: 70 30: 80	<1mm 1mm 12mm 1mm	Sharp contact. MoS2 stringer. Cal-MoS2 vein. MoS2 stringer.	none str Kf none cal	MoS2 on fracture.	10 20 30 40 50 60 70 80 90			39%	27		100%		10142 0.08		1.670	
						18-38: Mainly brick-red Kf altn with mod sausser, calcite phenos and local kaol shears. 37: Mottled dk green.	QM	mod kaol	40		31: 50 32: 55 37: 80 38: 70 39: 70	1-3mm 1mm 1-2mm <1mm 2mm	Cal-MoS2-py vnlt. MoS2 stringer. MoS2 stringer. Sharp contact. Qtz-MoS2 vnlt.	cal str Kf str Kf kaol wk Kf	Lots of calcite. Ptygmatic. Assoc calcite.	10 20 30 40 50 60 70 80 90			67%	37		100%		10143 0.04		0.058	
						38-42: Weakly altered pink & grey QM. 42-51: Orange Kf-cal zone, as above. 46=47: Well-fractured.	QM	mod kaol	50		41: 70 42: 50 45.5: 55 49: 55	2mm 2-4mm 5-7mm 2cm	Qtz-MoS2-py vnlt. Qtz-cal-min MoS2. MoS2-cal-py vnlt. Qtz-min MoS2 vein	str Kf str Kf none str Kf	2 similar vnlts. Contact. Sharp planar slip. Good vein, wk Mo.	10 20 30 40 50 60 70 80 90			86%	47		100%		10144 0.05		0.112	
						51-62: Weakly altered, some Kf-flooding with veins & fractures.	QM	wk kaol	60		53: 60 55: 50 58: 80	3cm 3-4mm 5-6mm	MoS2-mag stwk. Qtz-mag-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf	Good stwk. Vnlt stwk. Good MoS2.	10 20 30 40 50 60 70 80 90			63%	57		100%		10145 0.08		0.083	
						62-64: Orange Kf-cal zone, as above. 64-65: Str kaol in mushy shear zone. 65-74: Mod kaol zone.	QM	mod kaol	70		61.5: 60 62: 60 63: 65 64: 65 65: 50	3mm <1mm 1mm 16cm 1cm	Qtz-MoS2 vnlts. Contact to Kf zone. MoS2 on fracture. Gougy flt bx. Gougy shear.	str Kf str Kf none kaol kaol	2 parallel vnlts. Grades over 2cm. Not dom fracture. Minor fault. Part of shear	10 20 30 40 50 60 70 80 90			63%	67		100%		10146 0.08		0.041	

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																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	30	10	cgr	6	**Endako Quartz Monzonite**: 69-74: Str kaol, locally mushy. 74: Less altered, wk kaol.	QM	mod Kf	80		69: 70 74: 70 77: 65 80: 90	5cm 2-3mm 2-3mm <1mm	Qtz-MoS2-min cal vn. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 on fracture.	str Kf wk Kf wk Kf none	Well-banded. Regular type. Regular type. Slip plane.				60%	77		100%		10147		0.045	
																								0.08			
						Continuing pink and pale greenish mottled.	QM	wk kaol	90		80.5: 50 81: 30 83: 65 86: 65 87: 70	2-3mm 3mm 3mm 8mm 1mm	Qtz-py-MoS2 vnlt. Calcite vnlt. Qtz-MoS2 vnlt. Gougy shear. MoS2-kaol slip.	str Kf cal str Kf kaol kaol	Late c-gr py. Rough fracture. Weak MoS2. Planar slip. Planar slip.				80%	87		100%		10148		0.023	
																								0.06			
						Continuing pink and pale greenish mottled.	QM	wk kaol	100		92: 45 93.5: 70 96: 20 97: 80 97.5: 50	3.5cm 2-5mm 5mm 1-2mm 1-2cm	Qtz-MoS2 vein. Qtz-MoS2-hem vnlt. Qtz-min MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vein.	none str Kf wk Kf wk Kf wk Kf	Gougy slip. Good MoS2 Irregular. 2 veinlets. Wispy vnlts.				74%	97		100%		10149		0.336	
																								0.20			
						Continuing pink and pale greenish mottled.	QM	wk to mod kaol	110		100: 40 101: 65 101: 60 104: 40 108.5: 40	4-5cm 4mm 8mm 12mm 2-3cm	Aplite Dykelets. Kaol gouge. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz- MoS2 vein	none kaol mod Kf kaol wk Kf	3 fingers, 1-2cm. Minor fault. MoS2 selvages. Assoc gougy slip. Str MoS2.				79%	107		100%		10150		0.181	
																								0.20			
						110-115: Str kaol, numerous gougy slips. 113-114: Bx'd Aplite. 115-130: Weakly altered, low angle cal	QM	mod kaol	120		111: 70 113: 65 114: 70 115: 55	8mm 12mm 3-4mm 7cm	Qtz-MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Kaol shear zone.	kaol kaol kaol kaol	Gougy slips. MoS2 slicks. Minor displ. MoS2 slip.				81%	117		100%		10151		0.221	
																								0.10			
						Low angle fractures related to calcite veining. Weakly mineralized stringers.	QM	wk kaol	130		120: 60 122.5: 50 125: 20	1mm 1mm 1mm	Qtz-MoS2 stringers. MoS2 on fracture. Kaol-hem fracture.	wk Kf wk Kf kaol	Limited. Slip plane. Slip plane.				70%	127		100%		10152		0.028	
																								0.03			
						130-134: Str kaol, several strong shears. 134-140: Weak to mod kaol altn. MoS2 on several fractures.	QM	mod to str kaol	140		130.5: 50 132: 20 134: 40 136: 80 139: 35	5mm 1mm 10mm 15mm 1-2mm	Qtz-MoS2 vnlt. Kaol-hem gouge. Kaol gouge. Qtz-MoS2 vein. Waxy kaol-ser.	kaol kaol kaol wk Kf kaol	Displ along shear. Slip plane. Gougy, slip. Banded vein. Shear, planar.				61%	137		100%		10153		0.056	
																								0.06			
						140-153.5: Str kaol, locally very soft, mushy.	QM	str kaol	150		140: 35 141.5: 80 143: 15 146: 70 147: 60	1mm 1mm 1-2cm 1-2mm 9cm	MoS2 along fracture. MoS2-qtz vnlt. Gougy shear, bx. MoS2 shear. Qtz-MoS2 vein.	none none. Kaol kaol wk Kf	Planar slip. Poss slip. Minor fault. Curved slip. Str MoS2.				72%	147		100%		10154		0.233	
																								0.25			

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																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	30	10	cgr	6	**Endako Quartz Monzonite**: 153.5: Sharp transition to weak kaol zone.	QM	mod kaol	160		150: 70 153.5: 70 157: 50	2cm 4cm 5mm	Qtz-MoS2 vein. Shear zone, gougy. Qtz-MoS2 vnlt.	kaol kaol none	Str sheared, slips. Strong shear. MoS2 selvages.				85%	157		100%		10155		0.144	
																								0.12			
						Continuing weak kaol.	QM	wk kaol	170		161: 40 162: 60 165: 60 167: 65	1mm 2mm 3-4mm 1-2mm	MoS2 on kaol slip. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	kaol str Kf str Kf str Kf	Also qtz-MoS2. Blebby MoS2. Weak MoS2. Good MoS2.				60%	167		100%		10156		0.049	
																								0.05			
						153.5-173.5: Weak altn. 173.5-174.5: Mod kaol. 174.5-175.5: Aplite Dyke; str fractured; lc @ 70.	QM	wk kaol	180		173.5: 60 174.5: 70	1-2mm <1mm	Qtz-MoS2 vnlt. Aplite contact. 174-182: Str fractured, mod kaol.	mod Kf none	Slip plane. Unsheared, sharp.				51%	177		100%		10157		0.100	
																								0.03			
						183-204: Weak altn, little qtz or cal veining.	QM	wk kaol	190		183: 55	10cm	10cm gougy shear.	kaol	Str shear zone.				35%	187		90%		10158		0.080	
																								0.02			
						As above.	QM	wk kaol	200		193: 20 195: 40 199: 30	1mm 1-2mm 1mm	Cal-ser (kaol) fracture. Qtz-MoS2 vnlt. MoS2 on fracture.	kaol mod Kf mod Kf	Minor slip. 2 vnlts. Semi-rough.				75%	197		100%		10159		0.075	
																								0.03			
						Beginning to increase kaol, sauss. 206-208: Increasing low-angle calcite vnlts. 208-210: Fault.	QM	wk to mod kaol	210		205: 20 208: 15 208: 20 210: 25	5mm 2-5mm 20+cm <1mm	Waxy kaol-ser shear. Qtz-MoS2 vnlt. Green gougy flt bx. Clay-hem slip.	kaol kaol kaol kaol	Not planar. Along fault. Sig fault. Sharp contact.				78%	207		100%		10160		0.251	
																								0.05			
						Abruptly into rel fresh-looking, weakly fractured & veined QM.	QM	wk kaol	220		211: 60 217: 40 219: 60	<1mm <1mm 2-3mm	MoS2 on fracture. Cal-kaol slip. Qtz-MoS2 vnlt.	none kaol wk Kf	Planar, rough. Weak slicks. Str vnlt.				77%	217		100%		10161		0.059	
																								0.05			
						As above.	QM	wk kaol	230		221: 15 224: 50 226.5: 75 228.5: 55	<1mm <1mm <1mm 2-3mm	Hem-kaol-cal fracture. Cal-MoS2 on fracture. MoS2 on fracture. Qtz-MoS2 vnlt.	kaol none none wk Kf	Semi-rough. Minor MoS2. Minor MoS2. Minor MoS2.				88%	227		100%		10162		0.014	
																								0.03			

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																	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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	240		232: 75 235: 45 236: ?? 237: 70	2mm 1-2mm ~3cm 4.5cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Aplite rubble. Qtz-MoS2 vein.	wk Kf mod Kf none kaol	MoS2 on fract. MoS2 on fract. Shards. Strong vein.				62%	237		100%		10163 0.12		0.070	
						239-268.5: Mod to str kaol altn, soft, local shears.	QM	mod to str kaol	250		241: 40 242.5: 70 243.5: 60 245: 65 246.5: 15	2-5mm 3mm 2mm 5-7mm <1cm	Polished clay shear. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Clay shear, sharp uc.	clay kaol kaol kaol kaol	Dark grey clay. Parallel shear. Minor vnlt. Str vein. Altn boundary.				85%	247		100%		10164 0.10		0.050	
						As above. 259-260: Shear zone bx.	QM	mod to str kaol	260		250:10 250.5: 40 256: 40	3-5mm 1-5mm 2mm	Clay shear, wavy. Qtz-MoS2 vnlts. Gougy shears.	kaol kaol kaol	Disp qtz-MoS2. Broken up. Numerous slips.				70%	257		100%		10165 0.04		0.047	
						As above. 268.5-287: Fresh-looking QM; weakly fractured & veined.	QM	mod to str kaol	270		262.5: 45 263: 40 266: 75 267: 75 268.5: 55	2mm 14cm 2mm 1mm 3-4mm	Gougy shear, rubble. Shear zone, bx. Shear zone. MoS2-clay slip. Sheared qtz-MoS2.	kaol kaol kaol kaol kaol	Close to bx. Sharp contacts. Not planar, gougy. Str-->mod kaol. Mod-->weak kaol.				85%	267		90%		10166 0.04		0.035	
						As above. 273, 274: 1-3cm aplite dykelets, fractured, min MoS2 on some fractures.	QM	wk kaol	280		270: 45 272: 40 277: 20 279: 75	1mm 3cm 3mm 1-2mm	Qtz-hem-chl vnlt. Aplite Dyke. Dry gougy fracture. Qtz-MoS2 vnlt.	str Kf none kaol str Kf	MoS2? Sharp contacts. Rough. Weak vnlt.				59%	277		100%		10167 0.03		0.026	
						As above.	QM	wk kaol	287		281: 60 281.5: 70 281.5: 60 285.5: 20	3cm <1mm 1-2mm 1mm	Kf-flood, qtz-hem stwk. MoS2 on fracture. Qtz-MoS2 vnlt. Cal on fracture	str Kf str Kf str Kf none	Min MoS2, cp. Weak. Weak. Rough.				81%	287		100%		10168 0.02		0.020	
						287': END OF HOLE																						

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Location	Endako Pit	Bearing	00	Latitude	29385N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 27, 2002	Length	317'	Departure	28580E	Scale of Log		Date	28-Apr-02
Date Completed	April 28, 2002	Dip	-90	Elevation	2662 feet	Remarks	West end, south wall from pit bottom.		

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		
						Cased to 12 feet.			10																			
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	20		13: ?? 13.5: 65 15.5: 35 16: 65 17: 60	>1cm 1mm 2mm 3-4mm 4mm	Piece of aplite. Qtz-MoS2 stringer. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt. Qtz-MoS2 vnlt.	none wk Kf wk Kf wk Kf str Kf	Rubbly. Thin. 18-19: Aplite rubble @ 30 to c.a.				28%	12 17		80%		10169 0.04		0.052	
						23: 1-2cm of aplite rubble. Kaol altn increases slightly.	QM	wk kaol	30		22: 70 27: 60 28: 65 29: 65	12mm 1-2mm 3-4mm 2-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-hem-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf	Good vein. 2 vnlts 10cm apart.				36%	27		95%		10170 0.08		0.079	
						Weak to mod kaol, reflects sharp increase in qtz-MoS2 veining.	QM	mod kaol	40		30: 60 32: 55 35: 65 37: 80	1-4mm 2mm 1-3mm 3-5mm	Qtz-MoS2 vnlt stwk. Qtz-py-MoS2 vnlt. Blebby MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf none str Kf	Narrow stwk zone. Str pyrite. Cuts qv, Kf selv. Str vnlt.				66%	37		100%		10171 0.09		0.061	
						Orange Kf, mod kaol in section of very strong qtz-MoS2 veining. Smaller veins noted. 49: Good qtz-MoS2 vnlt.	QM	mod kaol	50		40: 80 40: 70 43: 75 46: 75 46.5: 70	2cm 12mm 5-6mm 2.5cm 12mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Two qtz-MoS2 vnlts. Qtz-MoS2 vein. Wispy qtz-MoS2 vnlts.	str Kf str Kf str Kf str Kf str Kf	Weak MoS2. Str MoS2. Indist selvages. Splits into two. Two main vnlts.				64%	47		100%		10172 0.30		0.339	
						Many narrower qtz-MoS2 vnlts, <1cm thick.	QM	mod kaol	60		51: 75 54: 75 56: 90 57: 70 58.5: 80	1-4mm 1-4mm 15mm 5mm 8mm	Qtz-MoS2 vnlt. 4 qtz-MoS2 vnlts. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf wk Kf str Kf str Kf	Pinch & swell. Subparallel vnlts. Strong vein. 2nd vnlt @ 57.5'. 2nd vnlt.				79%	57		100%		10173 0.15		0.117	
						63.5-70: Increase in kaol altn, pale greenish colour. 68-70: Gougy fracture parallel to c.a.	QM	mod kaol	70		62: 45 63: 70 64: 75 65: 40	1cm 5mm >6cm 5mm	Cal-kaol-hem vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vein. Dull clay shear zone.	cal wk Kf kaol kaol	Hem in centre. Good MoS2. Fractured, hi-gr. Minor fault.				67%	67		100%		10174 0.30		0.165	

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																	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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	80		74: 70 74: 50 75: 80 78: 85	1-3mm 12mm 3mm 1-2mm	Qtz-MoS2 vnlt stwk. Late qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf wk Kf	Over ~10cm. Cuts older vnlts. 2 similar vnlts. Thin.				73%	77		100%		10175 0.10		0.081	
						Gradual transition to weaker kaol altn. Sharp decrease in vein frequency, increase in pyrite.	QM	wk kaol	90		83: 80 84: 75 87: 50	1-2mm 1-2mm 1-2mm	Qtz-min MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf wk Kf wk Kf	Weak MoS2. Good MoS2. Cut by fracture.				96%	87		100%		10176 0.05		0.035	
						90: Increase back to mod kaol altn. 98: 7-8mm gougy shear @ 30 to c.a.	QM	mod kaol	100		90: 80 92: 75 95: 75 96: 60 97: 65	1mm 3cm 2-4mm 10mm 12mm	MoS2 on fracture. Cal vein bx, blk clasts. Qtz-MoS2 vnlt. Qtz-MoS2 vein. Cal vein bx, blk clasts.	wk Kf cal wk Kf wk Kf cal	Incr kaol altn. MoS2, py selv. -- Strong vein, MoS2.				76%	97		100%		10177 0.12		0.209	
						Becomes strongly kaolinized.	QM	mod to str kaol	110		101: 75 102.5: 25 105: 60 107: 65	3-4mm 1-2mm 8mm 1mm	Qtz-MoS2 vnlt. Gougy clay shear. Qtz-kem-cal vnlt. Qtz-MoS2 stringers.	str Kf kaol kaol str Kf	Cut by cal vnlts. Slick slip. Assoc str kaol. Weak stwk.				80%	107		100%		10178 0.05		0.055	
						Strongly kaol. To 118', weak veining. 114.5-115.5: Str kaol aplite dyke bx. Rubble at lower "contact".	QM	str kaol	120		110: 70 112: 50 116: 65 119: 15	1mm <1mm 1-2mm 1mm	Qtz-MoS2 stringer. Polished clay slip. Green clay shear. Hem-ser-cal fracture.	kaol kaol kaol kaol	Weak veining. Start intense kaol. Altn decreasing. Typical fracture.				66%	117		100%		10179 0.04		0.077	
						Weakly altered, little veining apparent. 125-128: Ser fracture undulating parallel to c.a.	QM	wk kaol	130		122: 30 127: 70 130: 70	2mm 4mm 1-2mm	Qtz-hem-MoS2-py. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf wk Kf	Weak vnlt. Highly fractured. Minor vnlts.				86%	127		100%		10180 0.05		0.057	
						Continues weakly altered. 139.5: 18mm qtz-MoS2 vein @ 80 to c.a., good MoS2.	QM	wk kaol	140		130: 60 132: 80 132.5: 75 135: 70 137: 75	<1mm 6mm 7mm 1-3mm 4mm	MoS2 on 2 fractures. Qtz-MoS2 vnlts. Qtz-hem-MoS2 vnlt. Two qtz-MoS2 vnlts. Qtz-MoS2 vnlt	wk Kf wk Kf kaol wk Kf wk Kf	Soft, powdery. Wispy vnlt zone. MoS2 slip. Good MoS2. Weak MoS2.				83%	137		100%		10181 0.09		0.104	
						Weak to mod altn.	QM	wk to mod kaol	150		142: 70 144: 75 146: 75 147.5: 75	<1mm 3mm 2-3mm 3mm	MoS2 on fraacture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf wk Kf wk Kf wk Kf	Not sheared. MoS2 in centre.				90%	147		100%		10182 0.07		0.054	

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Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities								Recovery		Assay Results			
																Fractures										Sample Number		%MoS2	
																										Core	Sludge	Core	Sludge
																										Estimate Grade			
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	Combined	
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	160		153: 90 156: 30 157: 30 160: 17	2-3mm 1mm 6mm <1mm	Qtz-MoS2 vnlt. MoS2-py on fracture. Clay-ser-cal shear. Wk calcite fracture.	wk Kf kaol kaol cal	Good MoS2. Gougy slip. Gougy shear. Rough fracture.				87%	157		100%		10183 0.05		0.027	
						Quite kaol altered around fractures & veins, mod in matrix.	QM	mod kaol	170		163.5: 45 166: 40 167: 45 167: 45	<1mm <1mm 5cm 1mm	MoS2 on fracture. Str ser gougy fracture. Qtz-MoS2 vein. Gougy slip.	ser ser kaol kaol	MoS2 slip. -- Str MoS2. Str slip.				59%	167		100%		10184 0.10		0.182	
						Continuing mod kaol with incr around veins & fractures.	QM	mod kaol	180		171: 45 172: 30 177: 80 178: 62 178.5: 85	1mm 1-2mm 5mm 1mm 1-5mm	MoS2 on fracture. Gougy slip. Qtz-min MoS2 vnlt. Polished MoS2. Qtz-MoS2 vein.	Kf, kao kaol Kf kaol wk Kf	Gougy. Not planar. F-gr MoS2. Planar slip. Polished MoS2.				91%	177		100%		10185 0.10		0.060	
						188.5-196.5: Mainly orange Kf, strongest adjacent to veining.	QM	mod kaol	190		180.5: 65 188: 35 188.5: 35	65mm 2mm 2cm	Qtz-MoS2 vein. Ser-kaol slip. Clay gouge bx.	str ser str kaol str clay	Kaol hw & fw. Waxy slip. Dark gouge.				50%	187		100%		10186 0.06		0.274	
						196.5: Gougy slip marks contact into more weakly kaol pink QM	QM	mod kaol	200		193.5: 75 194.5: 75 195: 40 195.5: 40 197.5: 80	1-2mm 1-2cm 1mm 2mm 15cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 on fracture. Green clay slicks. Qtz-MoS2 stwk vn.	str Kf str Kf str Kf kaol str Kf	3 vnlts in 10cm. MoS2 fw slip. MoS2 slip. SS across fract. F-gr MoS2.				84%	197		100%		10187 0.20		0.208	
						Altn weakens slightly to weak kaol, stronger adjacent to fractures & veins.	QM	mod kaol	210		204: 55 205: 80 206: 70 208: 35 208: 80	1mm 6mm 5mm 1-5mm <1mm	MoS2 on fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 slip.	ser wk Kf kaol str Kf str Kf	Planar Mo slip. Plan vnlt, fw slip. Gougy. Mod MoS2. Cuts above vein.				73%	207		100%		10188 0.12		0.071	
						As above.	QM	wk kaol	220		211: 35 213: 72 215: 75 218: 75 220: 70	<1mm <1mm 5mm 5mm 2-3mm	Polished ser-clay. MoS2 on fracture. MoS2-qtz vnlt. Qtz-MoS2 vnlt. Qtz-mln hem vnlt.	ser ser str Kf str Kf wk Kf	Pale gn clay-ser. MoS2 slicks. Gougy. Planar vnlt. No MoS2.				73%	217		100%		10189 0.08		0.061	
						As above. 225-227: Bright orange Kf assoc with qtz-MoS2 veining.	QM	wk kaol	230		232.5: 85 225: 15 226: 80 226: 80 229: 35	1-3mm 3mm 5-8mm 2-8mm 1cm	Qtz-MoS2 vnlt. Ser-kaol fracture. Qtz-MoS2 vein. Qtz-MoS2 stwk. Grey clay gouge.	wk Kf ser str Kf str Kf clay	Good MoS2. Slick, not planar. Good MoS2. Diffuse contacts. Planar both sides.				54%	227		100%		10190 0.12		0.052	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Mod low angle fracturing, esp 233-235', 238-241'.	QM	wk kaol	240		231: 85 233: 75 235: 80 237: 40 238.5: 70	<1mm 2mm 1mm 4cm 1cm	MoS2 on planar frac. Qtz-MoS2 vnlt. MoS2 on fracture. Qtz-MoS2 vein. Qtz-MoS2 vein.	none wk Kf wk Kf ser ser	240: MoS2 polished on fracture @ 25 to c.a.				56%	237		100%		10191 0.15		0.098	
						Weak kaol, weak fracturing, a few gougy shears.	QM	wk kaol	250		240: 70 241: 65 243: 65 243.5: 75 248: 80	3mm 10mm 3cm 12mm <1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vein. Ser-clay shear. Qtz-MoS2 vein. MoS2 on fracture.	wk Kf wk Kf ser str Kf none	Good MoS2. Planar vein. MoS2 slip, top. Irreg selvages. Ser fr @ 10 to c.a.				65%	247		100%		10192 0.10		0.076	
						Weakly altered, sharp decrease in frequency and thickness of veining.	QM	wk kaol	260		250.5: 70 251: 80 252: 60 258: 50 259: 75	7mm 3-4mm 2-3mm 1mm 1mm	Qtz-MoS2-py-hem. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Ser-kaol. MoS2 on fracture.	str Kf wk Kf wk Kf ser ser	Strong MoS2. Strong MoS2. Minor MoS2. Planar slip. Polished MoS2.				60%	257		100%		10193 0.08		0.055	
						As above.	QM	wk kaol	270		262: 50 266: 70 267: 30 270: 75	2mm 2mm 1mm 2-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Ser-clay slip. Two qtz-MoS2 vnlts.	wk Kf wk Kf ser str Kf	Polished MoS2. Planar vnlt. Planar slip. 2cm apart.				65%	267		100%		10194 0.06		0.025	
						As above.	QM	wk kaol	280		271.5: 75 273.5: 75 274.5: 75 275: 35 277: 65	2-3mm 2mm 2mm 1mm 1-6mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Two qtz-MoS2 vnlts. Ser-clay planar slip. Qtz-MoS2 vnlt.	str Kf str Kf str Kf ser wk Kf					88%	277		100%		10195 0.08		0.056	
						As above. A few low angle, thin, weakly gougy fractures.	QM	wk kaol	290		280: 70 281: 15 285: 70 287: 50 288.5: 80	2mm 1mm 2mm 1mm 19mm	Qtz-MoS2 vnlt. Ser-clay slip. Blebby pyrite. Ser-MoS2 slip. Qtz-MoS2-py vein.	wk Kf ser str Kf ser str Kf	Planar vnlt. Not planar. 1-2cm Kf. Planar slip. 4-5cm Kf altn.				74%	287		100%		10196 0.12		0.065	
						Weakly altered. 299.5: Qtz-MoS2, 2-8mm thick, slicks, @ 60 to c.a.	QM	wk kaol	300		292: 75 292.5: 15 297: 30 298.5: 70 299: 80	5-12mm 1mm 1cm 3cm 1mm	Qtz-MoS2 vein. Ser-clay slip. Qtz-MoS2 vein. Weak and, qtz-MoS2. MoS2 vnlt.	str Kf ser str Kf ser wk Kf	Good MoS2. Weak gouge. MoS2 selvages. Weak MoS2. Good MoS2.				91%	297		100%		10197 0.12		0.113	
						Weaker veining, slight increase in ser-clay fractures.	QM	wk to mod kaol	310		303: 80 305: 80 307: 15	1mm 1mm 1mm	MoS2 vnlt or fract. Qtz- MoS2 vnlt. Str ser-clay fracture.	wk Kf wk Kf. Ser	MoS2 planar slip. Irreg slick plane.				82%	307		100%		10198 0.06		0.043	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Continuing mod ser-clay fractures.	QM	wk to mod kaol	317		311: 85 316: 70 316.5: 40	1-2mm 1-2mm 4mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Clay gouge, planar.	ser wk Kf clay	Good MoS2. Mod MoS2. Strong gouge.	10 20 30 40 50 60 70 80 90			71%	317		100%		10199 0.04		0.041	
						317': 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											

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Location	Endako Pit	Bearing	n/a	Latitude	29625N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 28, 2002	Length	317 feet	Departure	28168E	Scale of Log		Date	8-May-02
Date Completed	April 29, 2002	Dip	-90	Elevation	2657 feet	Remarks	Bottom of South Wall		

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																		
									20																		
						Cased to 21 feet.																						
20	40	30	10	cgr	7	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	30		21: ?? 24: 60 26: 65 27: 35 29.5: 70	10cm 1mm 1mm 1mm 1-3mm	Aplite Dyke pieces. Qtz-pyrite vnlts. Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	-- str Kf wk Kf weak str Kf	1mm qtz-Mos2. 2 blebby vnlts. -- -- 3 weak vnlts.			36%	21 27		83%		10200 0.06		0.044	
						30-34: Silcified QM adjacent to aplite. 34-37.5: Aplite Dyke: f-gr, pink, well-fractured, qtz-MoS2 vnlts.	QM	mod kaol	40		32: 30 32: 80 34: ?? 36: 60 37.5: 55	2-3mm 1mm 3-4mm 2-3mm <1mm	White qtz-cal vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt. Sharp lower contact.	none wk Kf wk Kf none none	Younger vnlt. Cut by qtz-cal. Apl contact. Weak MoS2. Sharp, no chill.			37%	37		81%		10201 0.08		0.057	
						40-43: Aplite Dyke; as above, cut by wk stwk of qtz-MoS2 stringers; poor recovery. 43-49.5: Alt'd QM.	QM	mod kaol	50		48: 55 49.5: 80	1-2mm 25cm	Qtz-MoS2 vnlt. Str qtz-MoS2 vein.	wk Kf kaol	Str kaol QM. Min QM in vein. 40-52: Well-fractured.			16%	47		79%		10202 0.20		0.185	
						52: Altn weakens, fracturing much less. 58-62: Mod kaol altn, mod fractured.	QM	mod kaol	60		51: ?? 52: 90 54: 70 54.5: 60 56: 70	1-2cm 1mm 2mm 6mm 1-2mm	Rubbly fault. Qtz-MoS2 vnlt. MoS2-qtz vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	clay str Kf str Kf str Kf str Kf	End vn-frac zone. Good MoS2. Good MoS2. Good vein. Strong MoS2.			45%	57		97%		10203 0.10		0.212	
						Minor dykelets of Aplite, weak veining.	QM	mod kaol	70		67: 75 68.5: 45	1mm 35mm	Qtz-MoS2 vnlt. Aplite dykelet.	str Kf none	Thin vnlt. Ser slip on lc.			49%	67		100%		10204 0.05		0.020	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	80		72: 20	1mm	Calcite-ser fracture.	ser	Mod fractured, little veining.				58%	77		100%		10205		0.022	
																								0.02			
						Decreasing fracturing. 88-100: Kaol increases from weak to mod.	QM	mod kaol	90		81: 70 84: 30 85: 50	1-2mm 3mm 3mm	Qtz-MoS2 vnlt. Qtz-py-MoS2-hem. Qtz-hem-MoS2-py.	wk Kf wk Kf wk Kf	Min MoS2. Blebby py+cp. More hem.				47%	87		100%		10206		0.039	
																								0.04			
						95.5-97.5: Qtz-MoS2 vein, >12cm thick, ribboned; gougy fault along lc @ 20 to c.a. Sig cp with MoS2.	QM	str kaol	100		95: 20 95.5: 70	6mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	wk Kf wk Kf	Good MoS2. Good MoS2.				63%	97		95%		10207		0.574	
																								0.30			
						Weak kaol altn, weakly fractured, minor veining.	QM	wk kaol	110		104: 25 107: 65	1mm <1mm	Dry ser-hem fracture. Dry chl-ser fracture.	ser chl?	Planar slip. Rough fracture.				67%	107		100%		10208		0.027	
																								0.02			
						As above.	QM	wk kaol	120		111: 80 115: 75 115.5: 20 118: 90 118: 50	4-9mm 2mm 2cm 1-2mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Gougy shear. Qtz-MoS2 vnlt. Late white qtz vnlt.	wk Kf wk Kf clay wk Kf none	Good vein. Two weak vnlts. Hw @ 60? MoS2 dispersed into late vnlt.				73%	117		100%		10209		0.022	
																								0.04			
						121-123: Brittly fractured @ 90 to c.a.	QM	wk kaol	130		124: 80 125: 25 128: 30 128.5: 70	1mm 1-3mm 5mm 2cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Green chl-ser shear. Qtz-min MoS2-py.	wk Kf wk Kf chl? str Kf	Good MoS2. Irreg vnlt. Irreg plane. Kf to above slip.				61%	127		100%		10210		0.049	
																								0.04			
						Pale greenish, weak ser or kaol.	QM	wk kaol	140		131: 35 133: 50 135: 70 138: 35	1-2mm 3cm 1mm 1-2mm	Slicked ser slip. Kf-flooded zone. MoS2 slip. Str ser-clay slip.	ser str Kf none ser	Two parallel slips. Wk qtz-MoS2. Assoc ser-clay. Planar slip.				77%	137		100%		10211		0.018	
																								0.02			
						Pale greenish, weak ser or kaol. 148.5: 8mm qtz-MoS2 vein, @ 80 to c.a. - strong MoS2.	QM	wk kaol	150		141: 50 142: 35 143: 85 144: 55 148: 85	1mm 1cm 2-4mm 1mm 8mm	Qtz-MoS2 vnlts. Cal-chl shear. Qtz-MoS2 vnlt. MoS2 on fracture. Qtz-MoS2 vein.	wk Kf chl wk Kf wk Kf wk Kf	2 thin, Mo-rich. Shear zone. Rel good vnlt. Rough fracture. Good vein.				70%	147		100%		10212		0.082	
																								0.08			

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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	30	10	cgr	6	**Endako Quartz Monzonite**: 149-169: Mod to str Kf-flooded, assoc with str kaol around qtz-MoS2 veins.	QM	mod kaol	160		155: 70 156.5: 70 158.5: 80 160: 70	3-4mm 2mm 2mm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt.	str Kf kaol kaol str Kf	Weak MoS2. Top of vn bx. Base of vn bx. Num MoS2 slips within 2' zone.				76%	157		100%		10213 0.20		0.392	
						161-163: Strongly fractured shear zone, strong calcite.	QM	mod kaol	170		163: 20 164: 75 166: 50 169: 45	1mm 1mm 2mm <1mm	Ser-clay shear. MoS2 on fracture. 3 qtz-MoS2 vnlts. Sharp Kf contact.	str ser str Kf str Kf str Kf	Base of shear. Rough fracture. Over 6cm. Quite planar.				54%	167		100%		10214 0.04		0.027	
						172.5-174.5: Bright orange Kf-flood, assoc with qtz-MoS2 veining.	QM	mod kaol	180		170.5: 55 173: 70 173.5: 50 174: 80 179: 75	1mm 4-7mm 5-8mm 1mm 25mm	MoS2-qtz vnlt. Qtz-hem-MoS2 vnlt. Qtz-hem-MoS2 vnlt. MoS2 on fracture. Qtz-MoS2-hem-py.	str Kf str Kf str Kf str Kf str Kf	Kf fw to vnlt. Wispy vn contacts. Irregular contacts. Planar slip.				89%	177		100%		10215 0.06		0.042	
						181.5-184: Mod Kf-flood, assoc with vnlts. 185-192: Str kaol, esp below vein @ 187.5'.	QM	mod kaol	190		182: 80 183.5: 35 186.5: 40 187: 35 188: 40	1-3mm 3-4mm 1mm 30cm 1mm	Qtz-MoS2 vnlts. Qtz-min MoS2 vnlt. Gougy MoS2 slip. Qtz-MoS2 vein. MoS2 slip contact.	str Kf str Kf kaol kaol kaol	12cm Kf zone. Weak MoS2. Planar slip. Intense kaol. Intense kaol.				60%	187		100%		10216 0.30		0.249	
						Mottled, mod kaol & Kf altered.	QM	mod kaol	200		191.5: 80 194: 50 195: 70 197: 40 198: 85	1mm 1-2mm 3-5mm 25mm 1mm	Qtz-hem-MoS2-py. Ser-cal-clay slip. Qtz-MoS2-ser vnlt. Ser-cal-clay-hem shear.	wk Kf ser str Kf ser wk Kf	In kaol altn zone. Planar gougy. Sheared vnlt. Planar slips.				63%	197		100%		10217 0.06		0.059	
						209: 8cm zone of Kf-kaol altn with 2 irreg qtz-MoS2 vnlts, 1-5mm thick.	QM	mod kaol	210		201.5: 75 202: 72 203: 60 206.5: 60 207.5: 75	1cm 5-7mm 1-10mm 10mm 4mm	Qtz-MoS2 cal vein. Qtz-MoS2 vnlt. Qtz-MoS2-py vnlts. Qtz-clay-MoS2-hem. Qtz-MoS2 vnlt.	wk Kf str Kf str Kf str Kf str Kf	Vuggy centre. MoS2 selvages. 2 very irreg vnlts. Min shear, Mo slip.				87%	207		100%		10218 0.08		0.110	
						Mod kaol throughout with a few strongly kaol zones.	QM	mod kaol	220		212: 70 215: 70 215: 70 217: 40	1mm 1-5mm 6mm 2-3mm	Qtz-MoS2 vnlt. Qtz-MoS2-hem vnlt. Qtz-MoS2 vnlt. Clay-ser gouge.	wk Kf str Kf kaol str Kf	Sharp vnlt. -- Good MoS2. Soft, wet gouge.				82%	217		100%		10219 0.08		0.061	
						Mod kaol throughout with a few strongly kaol zones.	QM	mod kaol	230		222: 75 223.5: 30 224: 60 224.5: 90 226: 90	1-5mm 1-2mm 1mm 7.5cm 8mm	Qtz-hem-MoS2 vnlts. Clay-ser shear. MoS2 on fracture. Ser-clay shear zone. Qtz-MoS2 vnlt.	wk Kf clay clay clay str Kf	Weak stwk. Planar slip. MoS2 slip. MoS2 slip on hw. Str kaol section.				76%	227		100%		10220 0.07		0.073	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: 229-237: Weak kaol , mod adjacent to veins & fractures.	QM	mod kaol	240		230: 65 232: 80 236: 70 237: 50 239: 70	3-4mm 3mm <1mm 5cm 2cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 slip. Shear zone, MoS2. Qtz-MoS2 vein.	str Kf str Kf none kaol str Kf	Wispy vnlt. Assoc MoS2 slip. -- Str MoS2 slips. Str MoS2.				45%	237		100%		10221 0.10		0.142	
						239-256: Bright orange Kf altn.	QM	mod kaol	250		241.5: 80 244: 75 248: 30 250: 60	1-2mm 1-2mm 2-3cm 1cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Pink aplite dykelet. Clay shear zone.	str Kf str Kf none clay	Weak vnlt. Weak vnlt. Irreg contacts. Fine MoS2 slip.				73%	247		100%		10222 0.05		0.028	
						250-252: Intense kaol altn. 256-: Weak kaol, fractures with mod kaol.	QM	mod kaol	260		251: 60 253: 65 254: 60 255.5: 75 256: 85	22cm 5cm 3.5cm <1mm 4mm	Olive green chl dyke. Waxy green ser shear. Waxy shear, as above. MoS2 on fracture. Qtz-cal-MoS2 vnlt.	chl ser ser str Kf str Kf	Str cal stwk. Str planar shear. Str planar shear. Rough fracture. Weak MoS2.				72%	257		100%		10223 0.04		0.042	
						Altn continues to weaken.	QM	wk to modk aol	270		261.5: 35 265.5: 75 268: 15	1cm 1-2mm 1mm	Clay gougy shear. Qtz-MoS2 vnlt. Ser-hem fracture.	clay wk Kf ser	Mushy, irreg. Sharp vnlt. Rough slip.				68%	267		100%		10224 0.03		0.018	
						Weakly fractured.	QM	wk kaol	280		271: 75 275.5: 90 277: 75 278: 20	2mm 3-6mm 4mm 2.5cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Waxy ser-clay shear.	str Kf wk Kf wk Kf ser	Weak kaol. Good vnlt. Blebby MoS2. Calcite veining.				83%	277		100%		10225 0.06		0.027	
						280-288: mod to str kaol. 284.5-288: Strong fracturing, clay-ser altn.	QM	mod to str kaol	290		283.5: 75 284.5: 30 286: 30 288: 85	3-5mm 2-3mm 2-3mm 3-4mm	Qtz-MoS2 vnlt. Ser-clay shear Ser-clay shear. Qtz-MoS2 vnlts.	str Kf str ser str ser wk Kf	Good vnlt. Waxy, planar slip. Waxy, planar slip. Good vnlt.				63%	287		100%		10226 0.04		0.032	
						Weakly fractured and altered.	QM	wk kaol	300		291: 75 294: 50 295.5: 75 298: 75 299: 75	1mm <1mm 1-2mm 2mm 4mm	Qtz-MoS2 vnlt. MoS2 on fracture. Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf none wk Kf wk Kf wk Kf	MoS2 slip. Weak slip. Dark vnlt, c-gr py. Good vnlt. Good MoS2.				68%	297		100%		10227 0.08		0.036	
						300-317: Mod to str kaol, Kf-altered section, not strongly veined.	QM	mod kaol	310		300: 60 303: 70	10cm 6cm	Clay-ser shear. Clay-ser-MoS2 shear.	kaol kaol	MoS2 slips @ 90. Fine MoS2.				90%	307		100%		10228 0.10		0.109	

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																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	30	10	cgr	6	**Endako Quartz Monzonite**: Continuing mod ser-clay fractures & groundmass.	QM	mod kaol	317		310.5: 40 312: 30 312: 70 314: 45	5cm 1mm 2-3mm 1-2mm	Ser shear zone. Ser-clay slip. Ser-clay slip. Qtz-MoS2 vnlt.	ser ser kaol ser	Lc @ 30 to c.a. Alt'd fractures. Alt'd, sheared. Wkly gougy.				84%	317		100%		10229 0.03		0.019	
						317': END OF HOLE																							

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Location	Endako Pit	Bearing	n/a	Latitude	29502N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	April 29, 2002	Length	317 feet	Departure	28321E	Scale of Log		Date	10-May-02
Date Completed	April 30, 2002	Dip	-90	Elevation	2662 feet	Remarks	Bottom of South Wall.		

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		
						Cased to 11 feet.			10																		
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	20		11: 55 13: 50 14: 55 15.5: 70 18: 65	?? 1mm 1-2mm 2mm 1mm	Dk purple Fp Dyke. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	none str Kf str Kf str Kf str Kf	Aplite in rubble. Wk vnlt. Wk vnlt, py assoc. Mod MoS2. Isolated vnlts.			81%	11 17		100%		10230 0.06		0.027	
						Continuing weakly altered and rel weakly fractured. Kf selvages on pyrite stringers.	QM	wk kaol	30		21: 60 26: 70 29: 75	1mm 1-2mm 1-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. 3 qtz-MoS2 vnlts	wk Kf wk Kf str Kf	MoS2>>Qtz.. Qtz>>MoS2. Good MoS2.			72%	27		100%		10231 0.08		0.041	
						34.5-39: Mod kaol, mod Kf.	QM	wk kaol	40		31: 60 32.5: 65 34: 65 34.5: 60 39: 70	7mm 1mm 2-3mm 3mm 1-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf str Kf	Good MoS2. Sev thin vnlts. Good MoS2. White qv. End of kaol zone.			75%	37		100%		10232 0.06		0.047	
						Weakly altered, few veins, weakly fractured.	QM	wk kaol	50		41: 20 45: 70 49: 70	8-10mm 3-4mm 1-2mm	Calcite vein. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt.	wk Kf str Kf wk Kf	Sericitic fracture. Good Kf halo. Weak vnlt.			66%	47		100%		10233 0.03		0.022	
						Weakly altered, few veins, weakly fractured. Thin qtz-MoS2 stringers throughout @ 70 to c.a.	QM	wk kaol	60		51.5: 40 52: 20 56: 45	1cm 1mm 1mm	Qtz-MoS2 vein. Ser-clay slip. MoS2 slip.	str Kf ser kaol	MoS2 slip. Shear zone. Planar slip.			62%	57		100%		10234 0.05		0.045	
						Weakly altered to 68'. 68-96: Strong KF & kaol altn related to large vein.	QM	wk kaol	70		66: 25 68: 70 70: 80	1mm 1mm 1-2cm	Ser-cal fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vein	ser str Kf str Kf, kaol	Strong fracture. A few stringers. Fractured vein.			70%	67		100%		10235 0.10		0.067	

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																	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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	80		73.5: 70 74.5: 70	2-3mm 2-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	wk Kf str Kf	2 in 4cm. Weak stwk.				63%	77		100%		10236 0.08		0.035	
						Strong qtz-MoS2 veining and assoc strong Kf & kaol altn. 85-89: F-gr Aplite Dyke; MoS2 stringers.	QM	mod to str kaol	90		80.5: 70 81: 80 81.5: 65 83: 65 89: ??	5-6mm 5-6mm 1cm 9cm 6cm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Sandy gouge zone. Qtz-MoS2 vein. Grey clay gouge.	wk Kf str Kf kaol str Kf clay	4 vnlts in 20cm. Mod MoS2. Minor fault. Intense kaol. Strong fault.				48%	87		95%		10237 0.40		0.226	
						96: From strong to weak kaol across weakly gougy fault.	QM	mod to str kaol	100		91.5: 30 93: 70 94: 40 96: 30	1cm 15cm 5mm 1cm	Sandy gouge zone. Kaol zone, qtz-MoS2. Ser-clay gouge. Ser-clay gouge.	clay kaol clay clay	Minor fault. 2 MoS2 slips. Gougy. Likely 2 shears.				42%	97		95%		10238 0.10		0.080	
						Continuing rel weak altn.	QM	wk kaol	110		100.5: 60 104: 80 107: 10 109: 25	1mm 6cm 1-2mm 1mm	Polished clay slip. 3 qtz-MoS2 vnlts. Ser-cal vnlt/fracture. Chl-ser slips.	clay wk Kf ser chl?	Weak shear zone. Zone of vnlts. Planar. 5cm shear zone.				54%	107		100%		10239 0.06		0.149	
						Structurally controlled clay or ser altn, otherwise weakly altered.	QM	wk kaol	120		111: 60 114: 75 116: 60 117.5: 75 120: 25	2mm 1-2mm 1-2mm 8mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-cal-MoS2 vnlt. Qtz-MoS2 vnlt. Slick ser-clay slip.	wk Kf wk Kf str Kf clay ser	Good vnlt. Good vnlt. 2nd qtz-MoS2. Clay slips. Polished green.				59%	117		100%		10240 0.08		0.140	
						122-127: Mod kaol.	QM	wk kaol	130		121: 70 123: 35 126: 60 126: 20 128: 90	1mm 4cm 4mm 1cm 3-4mm	MoS2 on fracture. Ser-clay shear zone. 3 qtz-MoS2 vnlts. Clay gouge, fault. Qtz-MoS2 vnlt.	none ser wk Kf clay wk Kf	Planar slip. Planar slips. Over 6cm. Cuts vnlts. Weak altn.				69%	127		100%		10241 0.04		0.081	
						Weakly altered and fractured.	QM	wk kaol	140		131.5: 70 138: 15 139: 70	14mm 1mm 1-2mm	Qtz-MoS2 vein. Ser-cal fracture. Qtz-MoS2 vnlts.	Str Kf ser wk Kf	Good MoS2. Planar. Not displ by frac.				97%	137		100%		10242 0.07		0.071	
						Slightly more kaol & Kf altered, paler pink colour.	QM	wk kaol	150		146: 40 147: 70 149: 75	5mm 1cm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf wk Kf str Kf	Wispy vnlt. Rubbly. Good MoS2.				79%	147		100%		10243 0.10		0.143	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Weak altn, several qtz-MoS2 vnlts.	QM	wk to mod kaol	160		150.5: 70 153: 75 156: 70 158: 80 158.5: 70	1-2mm 1cm 1-2cm 7mm 6-8mm	Qtz-MoS2 vnlt. Qtz-MoS2 vein. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	wk Kf str Kf str Kf wk Kf wk Kf	Cut by cal vnlt. Qtz>>MoS2. 3 vnlts. Weak MoS2. Ser slip.				88%	157		100%		10244 0.10		0.065	
						Continuing weak altn, relatively weakly fractured.	QM	wk kaol	170		161.5: 75 162.5: 80 164: 85 169: 15	2mm 2mm 2mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Waxy ser fracture.	str Kf str Kf wk Kf ser					79%	167		100%		10245 0.06		0.067	
						175-179: Mod kaol.	QM	wk to mod kaol	180		175: 40 176: 75 177: 25 177.5: 75	1mm 1-2mm 1mm 5cm	Clay-MoS2 slip. Qtz-MoS2 vnlt. Ser-clay fracture. Qtz-MoS2 vein.	clay str Kf ser kaol	1-2mm flt bx. Wispy vnlt. Planar slip. Hi-grade vein.				73%	177		100%		10246 0.15		0.151	
						185-191: Mottled mod kaol & Kf altn, assoc with broad shear zone.	QM	mod kaol	190		186: 60 186.5: 65 188: 65 189: 70 189.5: 60	6cm 1mm 1-20mm 2cm 1mm	Hem stwk, min MoS2. Polished MoS2. Qtz-MoS2 vnlt. Clay gouge fault. Polished clay slip	str Kf clay clay clay clay	No obvious qtz. Planar slip. Shear assoc. Slip & shear. Top 15cm Kf.				69%	187		100%		10247 0.07		0.059	
						191-194: Weak kaol. 196.5-197.5: Aplite Dyke; uc @ 30 to c.a., lc @ 45 to c.a.	QM	mod kaol	200		191: 60 194.5: 80	5mm 2-3mm	Clay slip along base. Qtz-MoS2 vnlt.	clay wk Kf	1cm sandy rubble. MoS2 slip.				82%	197		100%		10248 0.05		0.034	
						198: Becoming str kaolinized. 201-207: Numerous ser-clay shears.	QM	str kaol	210										65%	207		95%		10249 0.04		0.032	
						213-222: Intensely kaolinized with qtz-MoS2 flooding, locally bx'd and vuggy. Pale green.	QM	str kaol	220		211: 80 211: 05 213: 30	3cm 1cm 1cm	Qtz-MoS2 vein. Qtz-MoS2 vnlt. Gougy qtz-MoS2 vn.	wk Kf kaol kaol	Qtz>>MoS2. Dark irreg vnlt. Sheared vein.				56%	217		100%		10250 0.20		0.482	
						226-237.5: **Aplite Dyke**, locally bx'd, pale pink, occ MoS2 on fractures.	QM Apl	str kaol	230		221: 10 225: 15 226: ??	4mm 2.5cm ??	Blk clay seam. Pale green clay-altn. MoS2-qtz blowout.	kaol clay str Kf	Planar slip. Sharp contacts. Interesting structures.				89%	227		100%		10251 0.10		0.289	

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																	Fractures										Sample Number		%MoS2	
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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	30	10	cgr	6	Brecciated aplite dyke, str silicified, healed. A few 1mm qtz-MoS2 stringers. 237.5: 15cm **Fault**.	Apl	sil	240		237.5: ?? 238: 45	15cm 2-3mm	Rubbly gouge bx. Qtz-MoS2 vnlt.	clay ser	Rubbly fault. Planar slip.				57%	237		100%		10252 0.05		0.063	
						237.5-241: **QM**. 241-255: **Aplite Dyke**; not bx'd, pink, minor MoS2 stringers. Mod to well-fractured.	Apl	wk	250		241: 45 247: 80	<1mm 1-2mm	Approx contact. Qtz-MoS2 vnlt.	none none	Apl fractured. 244-248: well-fractured, angular.				29%	247		100%		10253 0.06		0.046	
						255-272: **Endako QM**; weak to mod kaol	Apl QM	wk mod	260		250.5: 85 251: 82 255: 35 257: 75 260: 20	2.5cm 1mm 1mm 4mm 2mm	Qtz-MoS2 vein. Qtz-MoS2 stringer. Aplite lower contact. Qtz-MoS2 vnlt. Rough shear.	none none none wk Kf clay	Fractured. One of several hairline stringers. Very sharp, unsheared				46%	257		100%		10254 0.12		0.079	
						255-261.5: Mod to str kaol	QM	wk to mod kaol	270		261: 85 261.5: 70 265: 85 268.5: 15 268.5: 35	4-9mm 1mm 18cm 1-2mm 1-2mm	Qtz-MoS2 vnlt. Polished MoS2 slip. Kf altered zone. Green ser fracture. Green ser fracture.	str Kf wk Kf str Kf ser ser	Broken up. Slicks. No assoc sulph. Str undulating slick slips.				64%	267		100%		10255 0.05		0.046	
						272-280: **Aplite Dyke**, as before. Numerous 1mm qtz-MoS2 vnlts, fractures, @ 50 & 75 to c.a.	Apl	wk	280		272: 35 276: 75 279: 35	1mm 1-2mm 1-2mm	Contact, blk line. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	?? None none	Sharp contact. Unfractured. Apl is weakly por 1-2' inside contacts.				51%	277		100%		10256 0.11		0.059	
						Fractured lc, steeper. 280-309: **Endako QM**; mod kaol, assoc fracturing to 282', then weakly altered.	QM	mod to wk kaol	290		282: 25 283: 75 284: 75 288.5: 80	3-4mm 1-2mm 1-3mm 5-6mm	Str ser-clay shear. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2-hem vnlt.	clay wk Kf wk Kf str Kf	Planar gouge. Fractured. Assoc cal vnlt. Dark, MoS2-rich.				57%	287		100%		10257 0.06		0.049	
						Weakly altered Qm, little veining. 299-301: Well-fractured @ 15-25 to c.a.	QM	wk kaol	300		293: 35 294: 85	1-2mm 5mm	Gougy clay-ser slip. Qtz-MoS2 vnlt.	clay str Kf	Soft planar slip. Assoc ser vnlt.				69%	297		100%		10258 0.03		0.017	
						303-308: Mod kaol. 308: Mod --> wk kaol. 309-311.5: **Aplite Dyke**, lc @ 30 to c.a. 309: Qtz-MoS2 vnlt.	QM	wk to mod kaol	310		301.5: 70 303: 85 304.5: 60 305: 60 308: 75	2-3mm 2-3mm 5-7mm 5mm 12mm	Qtz-MoS2 vnlt. MoS2-ser vnlt, slip. Qtz-MoS2 vnlt. Clay-ser gouge. Qtz-MoS2 vein.	wk Kf ser wk Kf clay str Kf	Good MoS2. Gougy vnlt. MoS2 selvages. Minor Fault. Good MoS2.				69%	307		100%		10259 0.14		0.111	

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																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	30	10	cgr	6	311.5-313.5: **Endako QM**; wk to mod kaol. 313.5-317: **Aplite Dyke**; as before.	QM	mod kaol	317		311.5: 65 313.5: 75 313.5: 35 314: 75	1mm 4mm <1mm 1-2mm	Lower contact. Qtz-MoS2 vnlt. Sharp contact. Qtz-MoS2 vnlt.	none weak none weak	Sharp. Dark. Variable. Dark, MoS2-rich. Mod fractured.				59%	317		100%		10260 0.08		0.087	
						317': END OF HOLE																					

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Location	Endako Pit	Bearing	300	Latitude	29589N	Core Size	NQ	Logged By	C.J. Wild	
Date Collared	May 1, 2002	Length	427 feet	Departure	28216E	Scale of Log		Date	11-May-02	
Date Completed	May 2, 2002	Dip	-45	Elevation	2687 feet	Remarks	Bottom of South Wall.			

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																		
						Cased to 18 feet.			20																		
20	40	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk to mod kaol	30		23: 50 25: 40 28.5: 35	2-3mm 2mm 1-2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 stringers.	wk Kf wk Kf wk Kf	Core becomes solid ~25'. Wispy vnlts.				15%	18 27		66%	18-30	10261 0.05		0.078	
						30-33: Incr kaol, paler green & pink. 33-34: Aplite Dykelet.	QM	wk to mod kaol	40		33: 25 39: 15 40: 40	<1mm 1cm 1mm	Sharp contact. Sandy gouge shear. Ser slips.	none clay ser	Dark f-gr apl. Minor fault. Planar slips.				65%	37		100%		10262 0.03		0.025	
						Mod fractured, pink & green mottled, with vnlts @ 20-40 to c.a. Occ fractured aplite dykelets.	QM	mod kaol	50		44.5: 20 44.5: 35 47: 30 50: 25	2-3mm 2-3mm 3-4mm 1-2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf	Limited stwk. Strong vnlt. Adjacent to fractured aplite.				20%	47		89%		10263 0.07		0.129	
						Well-fractured to 56.5', some sandy gouge.	QM	mod kaol	60		58: 20	2-3mm	Series of calcite vnlts.	ser	Cut older qv's.				18%	57		100%		10264 0.03		0.021	
						Continues mod kaol with increased qtz-MoS2 veining.	QM	mod kaol	70		62: 35 62.5: 40 63: 45 63.5: 45 67: 30	1-2mm 3-5mm 6mm 3cm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2-py vein. Gougy ser-clay slip.	str Kf str Kf wk Kf wk Kf clay	Qtz>>MoS2. Qtz>>MoS2. Qtz>>MoS2. F-gr MoS2. Planar slip.				63%	67		100%		10265 0.10		0.049	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	mod kaol	80		75: 20 77: 45 77: 15	5mm 5mm 5-8mm	Dry ser-clay gouge. Green ser-clay slip Green ser-clay shear.	clay str Kf clay	Sandy shear. Slick gouge. Sheared fracture.				63%	77		100%		10266		0.021	
																								0.02			
						80-81: Rubbly gouge. *Continues rel sheared* and ser-clay altered.	QM	mod kaol	90		83: 80 86: 20 89: 20 90: 70	1mm 5mm 1-10mm 3mm	MoS2 on fracture. Series of fractures. Calcite, min chalced. Qtz-MoS2-py vnlt.	clay str Kf none wk Kf	Rough fracture. Gougy. Planar but pinched.				44%	87		100%		10267		0.023	
																								0.02			
						97-100: Low angle fracture-shear, weakly gougy, ser-clay.	QM	mod kaol	100		91: 25 97: 10	1mm 1-8mm	Qtz-MoS2 vnlt. Clay-ser fractures.	wk Kf clay	Stringer. Broken core.				74%	97		100%		10268		0.035	
																								0.02			
						More orange due to Kf.	QM	mod kaol	110		106: 15 110: 20 110: 45	2cm <1cm 1mm	Ser-cal-clay vn/shear. Ser-clay shear. MoS2 slip.	clay clay clay	Min qtz-hem. Dilating uphole. Fw of shear.				81%	107		100%		10269		0.015	
																								0.04			
						Slightly weaker altn, less shearing and *fracturing.*	QM	mod kaol	120		116: 60 118.5: 30 *118.5: 40*	2-3mm 1mm *1-2mm*	Qtz-MoS2 vnlt. Ser-clay-hem fracture. *Qtz-MoS2 vnlt.*	str Kf str Kf *str Kf*	Good MoS2. Planar slip. *Opp dip of slip.*				75%	117		100%		10270		0.033	
																								0.03			
						122-127: Strong set of gougy shears @ 0-15 to c.a. 124-126: **Fault**; gougy bx, parallel to c.a.	QM	mod kaol	130		122: 15 129: 40 129: 20	1mm 1mm 1mm	Ser slicks, stepped. Qtz-MoS2 vnlt/slip. Ser-clay fracture.	ser none ser	More hem ~127'. Good MoS2. Planar slip.				68%	127		100%		10271		0.054	
																								0.03			
						129-132: *Gougy fracture* @ 5-10 to c.a. 132-140: Mod fractured, locally gougy.	QM	*mod* kaol	140		133: 35 137: 45 139: 30	1mm <1mm 1-2mm	*Waxy ser-clay slips* Ser-hem slip. Rare qtz-MoS2 vnlt.	ser ser wk Kf	*Series of slips.* Curved slip plane. Weak vnlt.				40%	137		100%		10272		0.053	
																								0.03			
						141-143: Well-fractured, ser-clay on most.	QM	mod kaol	150		143: 30 146: 45 149: 30	1-2mm 1-2mm 2-3mm	Ser-clay-hem slip. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts (2).	ser wk Kf str Kf	Strong planar. Weak vnlt. Stronger vnlts.				35%	147		100%		10273		0.036	
																								0.03			

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Generally weaker altn, slightly more veining.	QM	wk to mod kaol	160		150.5: 45 156: 45 159: 50	1mm 1-2mm 6mm	Qtz-MoS2 stringer. Ser-clay gougy slips. Qtz-MoS2 vnlt.	str Kf ser,Kf wk Kf	Two parallel slips 7cm apart. Blebby MoS2.				51%	157		100%		10274		0.031	
																								0.06			
						Continuing slightly darker, less ser-clay.	QM	wk kaol	170		164: 35	15mm	Qtz-MoS2 vein.	str Kf	Strong vein.				66%	167		100%		10275		0.012	
																								0.03			
						Continuing slightly darker, less ser-clay.	QM	wk kaol	180		172: 35 175: 50 178.5: 30	6mm 1mm 1mm	Cal vnlt, ser-clay slips. Qtz-MoS2 vnlt. Cal-ser vnlt.	srt wk Kf ser	Gougy slips. Rough fracture. Planar, wk gougy.				55%	177		100%		10276		0.026	
																								0.03			
						183-187: Weakly gougy, low-angle fracture, parallel to c.a.	QM	wk kaol	190		185: 50 190: 70	1-2mm 2-5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf	Weak veining. Good vnlt.				54%	187		100%		10277		0.022	
																								0.07			
						190-208: Strong Kf, kaol altn related to sig qtz veining. 195-206: Strong kaol, pale green, soft, waxy.	QM	mod to str kaol	200		191: 70 192.5: 45 197: 90 199: 75 200: 40	1-2mm 1-2mm 20cm 1-2mm 2mm	Qtz-MoS2 vnlts. MoS2 on fracture. Qtz-MoS2 vein. Qtz-MoS2 vnlts. Pale green clay.	str Kf kaol kaol kaol clay	2 wispy vnlts. Polished slip. Strong vein. Fragmented. Planar slip.				50%	197		100%		10278		0.282	
																								0.25			
						206.5: Sharp contact between intense kaol and str Kf. 207.5-238: Wk altn.	QM	mod to str kaol	210		200: 25 202: 60 204.5: 70 206.5: 35	1mm 4-5cm 1-2mm 2-8mm	MoS2 slicks. Qtz-MoS2 vein. MoS2 on gougy slip. Gougy fault.	ser kaol kaol clay	Planar slip. Good MoS2. Intense kaol. "Contact".				87%	207		100%		10279		0.380	
																								0.18			
						Weakly altered.	QM	wk kaol	220		213: 65 216: 35 217: 30 219: 35	4-5mm 1mm 1mm 1mm	Qtz-min MoS2 vnlt. Ser-clay fracture. MoS2 on fracture. MoS2 on fracture.	str Kf ser none none	Qtz>>MoS2. Rough fracture. Weak slicks. Weak slicks.				92%	217		100%		10280		0.036	
																								0.10			
						Weakly altered.	QM	wk kaol	230		222.5: 40 226.5: 65 229: 50	1-2mm 4mm 1-4mm	Qtz-py-hem-MoS2. Qtz-MoS2-cp vnlt. Qtz-MoS2 vnlt stwk.	str Kf str Kf str Kf	Minor MoS2. Good MoS2 & cp. Stwk over 5cm.				89%	227		100%		10281		0.033	
																								0.10			

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Generally weak altn, slightly more veining.	QM	wk kaol	240		230: 35 231: 55 232: 45 234: 45 238: 45	2-3mm 2-3mm 4mm 8mm 1-2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-hem-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf str Kf	Dark vnlt. Good MoS2. Wk hem, MoS2. 1-2mm gouge. Good MoS2.				91%	237		100%		10282 0.10		0.081	
						Continuing weak altn. 248.5-272: Zone of incr Kf & kaol altn surrounding sig veining.	QM	wk kaol	250		240.5: 60 241.5: 45 245: 45 247: 65 248.5: 40	1mm 2-3mm 1-2mm 4-5mm 2mm	MoS2 on fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-min MoS2 vnlt. Cal-ser vnlt/slip.	wk Kf str Kf str Kf str Kf ser	Planar fracture. Good vnlt. -- Weak MoS2. Contact.				79%	247		100%		10283 0.08		0.050	
						251-252.5: Qtz-MoS2 vein, in gougy shear zone; MoS2-rich. 252.5-272: Str mottled pink & pale green.	QM	str kaol	260		250: 55 251: 55 252.5: 30 256.5: 40 258.5: 40	3-4mm 5mm 5mm 1mm 1-3mm	Qtz-MoS2 vnlt. Kaol slip, vein hw? MoS2-rich slip. MoS2 on fracture. Qtz-MoS2 vnlt.	str Kf kaol kaol kaol str Kf	Offset by fract. Slip, vein broken. Sooty "contact" Str kaol. Pinching vnlt.				78%	257		100%		10284 0.35		0.222	
						262.5: 20 cm Aplite Dyke; uc @ 50, lc @ 40 to c.a. MoS2 in irreg vnlts.	QM	str kaol	270		265.5: 20 269: 45	2-5mm 7cm	Gougy clay-ser slip. Hem-MoS2-qtz vein.	clay kaol	Soft planar slip. Strong MoS2.				63%	267		100%		10285 0.20		0.056	
						272-280: weak altn.	QM	wk kaol	280		270: 05 277: 40 279: 55	3-4mm 2mm 2-3mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf	Offset by fract. A few stringers. Good vnlt.				57%	277		100%		10286 0.10		0.120	
						283.5-291: Series of irregular, unsheared & weakly fractured aplite dykes in mod kaol QM. 288-291: Aplite Dyke.	QM	mod kaol	290		283: 50 283.5: 40 286: 70 289: 35	2-3mm 5mm 1mm 2mm	Qtz-MoS2 vnlt. Black clay gouge. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf clay weak weak	Good MoS2. Upper contact. In QM & Apl.				53%	287		100%		10287 0.10		0.122	
						291-307: Mod to strong kaol & Kf altn.	QM	mod kaol	300		290: 50 294.5: 60 295.5: 45 300: 40	1mm 15mm 3cm 3mm	MoS2 on fracture. Qtz-MoS2 vein. Blk MoS2-qtz vn. Qtz-MoS2 vnlt.	weak kaol kaol kaol	Polished slip. Strong MoS2. Poss bslt finger. MoS2 slicks.				70%	297		100%		10288 0.20		0.185	
						307-315: Weak altn.	QM	wk kaol	310		301: 40 304.5: 40	1cm 5cm	Sheared qtz-MoS2. Ser-clay shears.	kaol clay	Good MoS2. Qtz-MoS2 vnlt.				73%	307		100%		10289 0.05		0.141	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Generally weak altn, little veining. 315-319: Orange Kf.	QM	wk kaol	320		310.5: 30 315.5: 30 317: 40 318: 30 318.5: 70	1-2mm 2mm 1mm 1mm 1-2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. MoS2 on fracture. Qtz-MoS2 vnlts (2). Ser-hem gouge.	wk Kf str Kf str Kf str Kf ser	Weak vnlt. Good MoS2. MoS2 slip. Good MoS2. Cuts qtz-MoS2.				90%	317		100%		10290 0.08		0.043	
						Weak kaol, with weakly gougy slips and narrow shears.	QM	wk to mod kaol	330		323: 40 325: 30 319: 30	2-4mm 15mm 1-2mm	Qtz-MoS2 vnlt. Ser-clay gouge. MoS2-cal-qtz vnlt.	str Kf ser ser	Qtz>>MoS2. Minor fault. Mod MoS2.				56%	327		100%		10291 0.06		0.036	
						Strongly mottled orange and pale green, mod kaol.	QM	mod kaol	340		330: 45 330.5: 30 332: 45 335: 75 336: 30	12mm 25mm 1-3mm 2cm 1mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2 vnlt, slip. Mainly ser vnlt. Ser-clay slip.	str Kf str Kf str Kf ser ser	Qtz>> MoS2. Qtz>> MoS2. Slip cuts vnlt. Calcite stringers. Weakly gougy.				59%	337		100%		10292 0.12		0.041	
						340-352: Mod-str kaol, soft, cut by numerous minor shears.	QM	mod kaol	350		345: 40 347: 30	1mm 1mm	MoS2 on fracture. Hem-ser-MoS2 slip.	kaol ser	MoS2 planar slip. Planar.				86%	347		100%		10293 0.04		0.032	
						352-359: Weak kaol, little veining or fracturing.	QM	wk kaol	360		350: 35 351: 15 359: 20	1mm 1mm 1-3mm	Blk clay slip. MoS2 slip. Ser-clay fracture.	clay str Kf ser	No mini. Polished MoS2. Undulating slip.				77%	357		100%		10294 0.04		0.129	
						359-376: Mod to str kaol, soft, str sausseritization. 364-367: Gougy fracture running along c.a.	QM	mod kaol	370		361: 65 363: 65 363.5: 55 368: 30	3mm 2mm 1mm 1-2mm	Qtz-min cp, MoS2 MoS2 on fracture. MoS2 on fracture. Ser-hem fracture.	str Kf str Kf str Kf ser	Fine MoS2. Good MoS2. MoS2 slip. Ser slip.				71%	367		100%		10295 0.06		0.015	
						376-378: Mod Kf, wk kaol altn.	QM	mod to wk kaol	380		376: 30 377: 40 377.5: 40	1cm 2-3mm 2mm	Waxy ser-clay shear. Qtz-MoS2 vnlt. Qtz-hem vnlt.	clay str Kf str Kf	Polished slip. Good MoS2. F-gr MoS2?				89%	377		100%		10296 0.04		0.031	
						378-389: Weakly altered, hard & competent.	QM	wk kaol	390		382: 40 384.5: 50 385: 50	2mm 3mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf wk Kf wk Kf	Good MoS2. Good MoS2. Minor vnlt.				75%	387		100%		10297 0.06		0.038	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: 389-418: Mod kaol altn, minor veining. Hem common on fractures.	QM	wk to mod kaol	400		392: 30 392.5: 75 395: 70 400: 35	1-2mm 1-2mm 1-2mm <1mm	Ser-clay fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Red hem on fracture.	ser wk Kf wk Kf em	Slick slip. Strong red hem stain. One of several hem fractures.				86%	397		100%		10298 0.05		0.114	
						400-402: Well-fractured.	QM	wk to mod kaol	410		405: 50 407: 60	3-5mm 1mm	Qtz-MoS2 vnlt. MoS2 on fracture.	hem hem	Red stained. Minor stringers.				62%	407		100%		10299 0.04		0.035	
						Orange qtz veining shows some tabular crystals. May be albite.	QM	wk to mod kaol	420		411.5: 35 414: 45 416: 65	1mm 10cm 6mm	Ser-hem slip. Wispy qtz veining. Qtz-MoS2 vnlt.	ser hem em	Not planar. Orange stain. Orange stain.				61%	417		100%		10300 0.03		0.028	
						418-427: Weak altn, fresh-looking, weakly fractured, little veining.	QM	wk kaol	427		420.5: 55 424: 65 424.5: 75 427: 40	3-6mm 2-3mm 2-3mm 8mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Ser-clay gougy shear.	wk Kf wk Kf wk Kf clay	Usual veining. Mod MoS2. As above. Dry, min flt.				84%	427		100%		10301 0.06		0.036	
						427': END OF HOLE																							

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Location	Endako Pit	Bearing	155	Latitude	29235N	Core Size	NQ	Logged By	C.J. Wild
Date Collared	May 2, 2002	Length	357 feet	Departure	28790E	Scale of Log		Date	12-May-02
Date Completed	May 3, 2002	Dip	-60	Elevation	2662 feet	Remarks	Bottom of South Wall.		

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		
						Cased to 13 feet.			10																			
20	40	30	10	cgr	5	**Endako Quartz Monzonite**: mottled, cream & pink; coarse grained to weakly porphyritic, KF to 1cm.	QM	wk kaol	20		14: 70 17: 75 20: 79	2mm 1-2mm 1-2mm	Qtz-MoS2 vnlt. Qtz-py-hem-MoS2. Qtz-MoS2 vnlt.	wk Kf wk Kf wk Kf	13-17: Well-fractured, rubbly subgrade.				0%	13 17		95%		10302 0.06		0.089	
						25-40: Mod kaol altn. 27: 10cm fault. 29: MoS2 slip @ 65 to c.a., slicks.	QM	wk to mod kaol	30		22: 40 23: 75 24: 75 27: 70 29: 39	5mm 1-2mm 1mm 10cm 5mm	Cal-ser flt gouge. Qtz-MoS2 vnlts. Qtz-MoS2, py vnlts. Cal-rich, sandy gouge. Qtz-MoS2-hem vnlt.	ser mod Kf str Kf clay kaol	Flt/fracture. 2nd vnlt @ 30 c.a. 4vnlts in 15cm. Sharp "contacts". MoS2 selvages.				51%	27		100%		10303 0.05		0.088	
						Continuing mod kaol, mod veining, weakly fractured.	QM	mod kaol	40		31.5: 68 32: 70 35.5: 70 39: 59	2mm 28mm 1-2cm 2mm	Qtz-MoS2 vnlt. Qtz-hem-MoS2 vein. Kaol-qtz-MoS2 shear. Qtz-MoS2 vnlt.	wk Kf kaol kaol wk Kf	Good vnlt. Good MoS2. Cal-ser also. Good MoS2.				77%	37		100%		10304 0.10		0.035	
						40-46: Strong kaol, feldspars saussenitized.	QM	str to mod kaol	50		41: 70 46: 30 47: 59	1-2mm 5cm 2mm	Qtz-MoS2 vnlt. Gradational contact. Qtz-py-MoS2 vnlt.	wk Kf wk Kf str Kf	Str kaol zone. Str--> mod kaol. Minor MoS2.				92%	47		100%		10305 0.06		0.043	
						51.5: Irregular dyke of qtz-feld porphyry, locally aplite, not coincident with vein.	QM	mod kaol	60		51.5: 55 52: 65 54: 65 60: 74	4-25mm 8cm 2-3mm 1mm	Qtz-MoS2 vein. Dark qtz-hem-MoS2. Qtz-MoS2-py vnlt. Qtz-MoS2-hem vnlt.	kaol kaol str Kf kaol	Pinch & swell. F-gr wispy vein. Py stringer parall. Hem later.				80%	57		100%		10306 0.05		0.057	
						63-67.5: **QFP**; fault-bound, f-gr por, same as aplite. MoS2 vnlts common @ 70 to c.a. 67.5-69: **QM** slice.	QM	mod kaol	70		61: 60 62.5: 65 63: 65	2-3mm 4cm <1mm	Qtz-MoS2 vnlt. Pale green & blk flt. MoS2 on fracture. QM is str kaol altered, contacts ~ 90 to c.a.	str Kf clay none	Qtz>>MoS2. Qtz-clay gouge. MoS2 slip.				47%	67		100%		10307 0.10		0.074	

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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	30	10	cgr	6	69-81: **QFP**; as above, except pinker. Qtz-MoS2 vnlts thin but common. Continues mod fractured.	QFP	wk	80		76: 65 78: 75 79: 75	2mm 2-3mm 1mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts.	none none none	3 vnlts in 20cm. Good MoS2. 3 vnlts in 30cm.				45%	77		100%		10308 0.10		0.046	
						81: Contact consists of vein and dark grey silic gouge zone (5cm). 81.5-114.5: **QM**; as before; str kaol to 83'.	QM	mod kaol	90		81: 80 85.5: 75	15mm 1mm	Qtz-MoS2 vein. Qtz-MoS2 stringers.	kaol str Kf	Good MoS2. Weak vnlts.				78%	87		100%		10309 0.15		0.163	
						Mod kaol QM, minor fracturing and veining.	QM	mod kaol	100		91: 40 95: 70 95.5: 85 99: 60	1mm 5cm 3-4mm 1mm	Clay-ser fracture. Qtz-hem-MoS2 stwk. Qtz-hem-MoS2 vnlt. Qtz-MoS2 vnlt.	clay str Kf str Kf wk Kf	Wk gouge slip. F-gr, wk MoS2. Wk MoS2. Thin.				80%	97		100%		10310 0.04		0.067	
						Weakly kaol, pink QM.	QM	wk kaol	110		101: 30 103: 10 106: 20	1mm 1mm 1mm	Qtz-MoS2 vnlt. Ser fracture. Qtz-MoS2 stwk.	str Kf ser wk Kf	Sinuous vnlt. Rough slip. Weak stwk.				75%	107		100%		10311 0.03		0.053	
						Paler colour, mod kaol. 114.5-116.5: **QFP** Dyke; as before, better mini than QM, thin MoS2 stringers.	QM	mod kaol	120		111: 22 114.5: 40 116.5: 40 117: 65	1mm <1mm <1mm 6mm	Ser fractures, 2 Sharp contact. Sharp contact. Qtz-MoS2 vnlt.	ser none none wk Kf	Pair of cont fract. V. weak chill. V.weak chill. Str vnlt.				71%	117		100%		10312 0.04		0.074	
						116.5-123: **QM**; wk kaol, str near upper contact. Weakly fractured. 123-137: **QFP**; as before.	QM	wk kaol	130		123: 30 125.5: 20 130: 50	<1mm 2-3mm <1cm	Sharp contact. Cal-dk clay vnlt/slip. Minor gougy fault.	none clay clay	Unfractured. Minor MoS2. Weak structure.				73%	127		100%		10313 0.05		0.040	
						128-132: Pale green, more clay, less Kf. 132-137: Continues mod fractured, min veining. 137-145: **QM**; mod kaol.	QFP	wk	140		133: 80 135: 80 138.5: 65 138.5: 30	1-2mm 2-3mm 1-3mm 3mm	Qtz-hem-py-MoS2. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Clay-ser shear/fracture.	str Kf none kaol clay	Stwk over 15cm. Fine MoS2, selv. F-gr MoS2. Several gougy fractures.				30%	137		100%		10314 0.07		0.034	
						145-147: **Basalt Dyke**; black, str por with pale green plag phenos, aligned parallel to contacts.	QM	mod kaol	150		142: 70 142: 60 142.5: 55 145: 30 147: 25	23mm 2cm 2cm 3mm <1mm	Qtz-MoS2 vein. Qtz-MoS2, chal vn. Qtz-MoS2-chal vn. Wk gougy contact. Sharp lower contact.	str Kf str Kf str Kf clay none	Pinches on vnlt. Well-banded. Well-banded. Weak chill. 2-3mm chill.				81%	147		100%		10315 0.20		0.116	

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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	30	10	cgr	6	**Endako Quartz Monzonite**: Generally weaker altn, slightly more veining.	QM	wk to mod kaol	160		150: 90 154: 70 155: 80 156: ??	2-3cm 1mm 1-2mm 20cm	Qtz-MoS2 vein. MoS2 on fracture. Qtz-MoS2 vnlts, 2. Dk dior xenolith.	str Kf wk Kf str Kf none	Good MoS2. Rough fracture. Good MoS2.	10 20 30 40 50 60 70 80 90			85%	157		100%		10316		0.065	
																								0.05			
						As above; very solid core.	QM	wk to mod kaol	170		164: 80 165: 65 167: 60	1mm 2mm 3-4mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf wk Kf str Kf	Good MoS2. Good MoS2. MoS2 selvages.	10 20 30 40 50 60 70 80 90			95%	167		100%		10317		0.060	
																								0.08			
						As above; very solid core.	QM	wk to mod kaol	180		171: 75 172: 14 173: 75 176: 75 177: 80	1-2mm 1-2mm 2-3mm 1mm 1-2mm	Qtz-hem-py-cp vnlt. Ser-clay-hem fracture. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf clay str Kf str Kf str Kf	MoS2? Planar slip. Good MoS2.	10 20 30 40 50 60 70 80 90			94%	177		100%		10318		0.038	
																								0.08			
						As above; very solid core.	QM	wk to mod kaol	190		182: 75 182: 14 184: 75 186.5: 50 186.5: 55	4mm 1mm 1-3cm 15mm 4mm	Qtz-MoS2 vnlt. Str calcite fracture. Qtz-MoS2-py vein. Qtz-MoS2 vein. Qtz-MoS2 vein.	str Kf cal str Kf str Kf str Kf	Good MoS2. Planar, not slick. Wispy contacts. Good vein. Good MoS2.	10 20 30 40 50 60 70 80 90			98%	187		100%		10319		0.098	
																								0.10			
						197.5-200: **QFP** Dyke; unfractured, f-gr porphyry; pink, mnl near hw, planar contacts, chill in dyke.	QM	wk to mod kaol	200		197.5: 60 198: 70 200: 45	<1mm 1-2mm <1mm	Sharp contact. Qtz-MoS2 vnlt. Sharp contact.	none weak none	5mm dark chill. Several stringers. 4mm dark chill.	10 20 30 40 50 60 70 80 90			####	197		100%		10320		0.030	
																								0.05			
						200-210: **QM**; mod kaol, as before.	QM	wk to mod kaol	210		200: 60 204.5: 50	2mm 6cm	Qtz-MoS2 vnlt. Qtz-MoS2-chalc vein.	str Kf str Kf	10cm below dyke. Strong vein.	10 20 30 40 50 60 70 80 90			####	207		100%		10321		0.073	
																								0.20			
						210-212: **QFP** Dyke; as above. 212-: **QM**; mod kaol, as before. 217: 10cm shear @90.	QM	wk to mod kaol	220		210: 60 210.5: 60 212: 45 214: 70 219: 70	<1mm 1-2mm <1mm 1mm 6-7mm	Sharp contact. Qtz-MoS2 vnlt. Sharp contact. Qtz-MoS2 stringers. Qtz-MoS2 vnlt.	none weak none str Kf str Kf	5mm dark chill. Good MoS2. 4mm dark chill. Weak stwk. Weak MoS2.	10 20 30 40 50 60 70 80 90			96%	217		100%		10322		0.055	
																								0.10			
						Weakly fractured, wk to mod altered, mod veining.	QM	wk to mod kaol	230		220: 75 222: 80 224: 75 227: 55	7-8mm 6mm 2mm 1-2mm	Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf wk Kf str Kf	MoS2-py selv. Good MoS2. Str kaol zone. Stringer zone.	10 20 30 40 50 60 70 80 90			83%	227		100%		10323		0.058	
																								0.12			

Wildrock Resources Consulting & Drafting

Section		ENDAKO MINES	Hole No.	S-02-14
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Rock Types & Alteration							Graphic Log				Mineralization and Structures					Rock Qualities							Recovery		Assay Results			
																Fractures									Sample Number		%MoS2	
																									Core	Sludge	Core	Sludge
																									Estimate Grade			
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	Combined	
20	40	30	10	cgr	6	231-232: **QFP**: Purplish-pink, f-gr porphyry, as before. Weak mini. 232-344.5: **QM**, as usual.	QM	mod kaol	240		231: 60 232: 25 233: 60 234.5: 60 237.5: 50	<1mm <1mm 1cm >2cm 30cm	Upper contact. Lower contact. Qtz-min MoS2 vnlt. Clay-ser gouge flt. Qtz-MoS2 veins.	none none str Kf clay str Kf	Sharp, weak chill. Dyke fractured. Weak MoS2. Rubbly to 235.5'. 6-8cm veins, 2.				61%	237		95%		10324 0.30		0.268	
							QM	mod kaol	250		242: 70 249.5: 55	2-3mm 1-2mm	Qtz-MoS2 vnlt. Qtz-hem-MoS2 vnlt.	str Kf str Kf	Good MoS2. Weak.				72%	247		100%		10325 0.04		0.052	
						250-251.5: Strong veining, MoS2-rich. Str kaol adjacent.	QM	mod kaol	260		250: 35 251: 60 252: 60 253.5: 60 256.5: 70	12mm ~10cm 2mm 1-2mm 3mm	Qtz-MoS2 vein. Qtz-MoS2 vein. Qtz-MoS2 vnlt. Qtz-MoS2 vnlts, 2. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf str Kf	Good vein. Broken vein. Vnlts continue. Sinuous. F-gr MoS2.				57%	257		100%		10326 0.30		0.335	
						260-262.5: Shear zone; two str gouge seams. 268-270: QFP; rubble, <50% recovered. Qtz-MoS2 stringers noted.	QM	mod kaol	270		260: 45 261: 70 262.5: 45 267: 30	3cm 1-2cm 1-2cm 5mm	Clay gouge, fault. Clay gouge, fault. Gouge, qtz-MoS2. Gougy slip.	clay clay clay clay	Sharp upper slip. Sig gouge. Weak MoS2. Above QFP.				45%	267		90%		10327 0.04		0.055	
						Mottled orange, mod kaol.	QM	mod kaol	280		271: 70 272: 70 277: 70	1mm 2mm 1-2mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf wk Kf str Kf	3 vnlts in 20cm. -- --				48%	277		80%		10328 0.06		0.032	
						Mottled orange, weakening kaol.	QM	mod kaol	290		283.5: 65 284: 70 285.5: 80 289: 75	1-2mm 4-5mm 2mm 2mm	Qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf wk Kf	3 vnlts in 15cm. Good MoS2. MoS2 slip. --				73%	287		95%		10329 0.07		0.059	
						Fewer veinlets, decreasing alteration and fracturing.	QM	wk kaol	300		294.5: 60 298: 60	1mm 1-2mm	MoS2 on fracture. Qtz-MoS2 vnlt.	none wk Kf	MoS2 slip. Series stringers.				89%	297		100%		10330 0.04		0.033	
						Incr kaol, more qtz vnlts.	QM	mod kaol	310		302: 70 303: 65 304.5: 70 306: 60 308: 60	1mm 3-4mm 1cm 8mm 7mm	Qtz-MoS2 stringers. Qtz vnlts. Cal & qtz-MoS2 vnlts. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf str Kf str Kf	Wk stwk, 10cm. Tr py, MoS2. Intersecting vnlts. Str MoS2. Cut by low shear.				99%	307		100%		10331 0.10		0.058	

Section						ENDAKO MINES																Hole No.	S-02-14		
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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	30	10	cgr	6	**Endako Quartz Monzonite**: Generally weaker altn, slightly more veining.	QM	wk kaol	320		312: 55 318: 55 319: 75	8mm 2mm 2mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt.	str Kf str Kf str Kf	Good MoS2. Good MoS2. Good MoS2.				85%	317		100%		10332 0.08		0.059	
						321-350: Mod kaol, subtle increase in Kf.	QM	mod kaol	330		321: 80 323: 70 325: 75 327: 70 329: 75	2-3mm 1-2mm 1-2mm 3mm 1-2mm	Qtz-MoS2-py vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Qtz-MoS2 vnlt (cal).	wk Kf wk Kf wk Kf str Kf str Kf	Blebby py.				88%	327		100%		10333 0.08		0.072	
						As above, mottled and mod to strongly altered.	QM	mod kaol	340		331.5: 15 332.5: 80 335: 40 336: 90	1mm 1-2mm 4-5mm 3mm	Ser-clay fracture. Qtz-MoS2 vnlt. Gougy slip with vnlt. Qtz-MoS2 vnlt.	ser wk Kf clay str Kf	Ser gouge slip. -- Qtz-MoS2 vnlt. Disjointed.				98%	337		100%		10334 0.06		0.048	
						As above, more strongly altered, mushy in places. 344.5-346: **QFP**, bx'd at contacts.	QM	mod kaol	350		341.5: 75 344: 40 344.5: 70 346: 70 348: 55	7cm 2-7mm 1cm <1mm 2-6mm	Qtz-MoS2 in shear. Qtz-MoS2 vnlt. Gougy upper contact. Irreg lower contact. Qtz-MoS2 vnlt.	clay clay clay cal wk Kf	Shear zone. Disjointed. Two thin slips. Cal vein bx. Good vnlt.				79%	347		90%		10335 0.08		0.119	
						346-357: **QM**; wk to mod kaol, fewer gougy slips, fractures.	QM	wk kaol	357		351: 70 354: 50 356: 65	1mm 6mm 5mm	Qtz-MoS2 vnlt. Qtz-MoS2 vnlt. Clay gouge slip.	str Kf str Kf clay	Thin. Good vnlt. Clay-rich.				93%	357		100%		10336		0.031	
						357': END OF HOLE																					

Wildrock Resources Consulting & Drafting

Appendix 6
Analytical Procedures

RA-057

PREPARATION OF LOW GRADE MOLYBDENUM
SAMPLES FOR AA ANALYSIS

SCOPE: This document applies to all samples within the range of the concentration present in Rougher Tail, Flotation Feed and First Cleaner Tails. Mine drill hole cuttings and diamond drill core samples fall within this category.

PURPOSE: The purpose of this document is to describe the steps required for the analysis of samples containing 0.750% MoS_2 or less.

PROCEDURE: Weigh 2 grams into 250 ml beakers. Add 40 ml of 30% HCl, cover and digest for 10-15 minutes on a 3 switch plate. Filter through #2 fast fold papers into waste catch beakers. Wash 2 times with hot water to ensure that all oxides are removed.

NOTE-Before filtering, if oxide content of sample is required, place a 200 ml Phosphoric flask containing 25 ml of $AlCl_3$ solution under the funnel. Wash the sample 3-4 times, add 10 ml of HCl, cool and bulk to the mark. The sample is ready for analysis on the AA.

Now place the filter papers containing the sulphides back into the beakers and place in front of the fuming hood. Add 5 ml HCl, 10 ml HNO_3 and 8 ml of $HCLO_4$ to the samples. The addition of these acids must be done in this order and done in front of the fuming hood. Put covers back on the beakers.

Place the beakers on a 3 switch plate until vigorous white fumes have evolved. Move to the edge of the hot plate and fume a further 3-5 minutes. Remove from the hot plate and cool.

Wash the lids and sides of the beakers with distilled water and add 20 ml of concentrated HCl. Place on the hot plate and bring to a boil. Boil at least 3 minutes. Remove from the hot plate and place on the beaker shelf over the funnel racks in numerical order. Rinse off the lids using distilled water in a plastic wash bottle.

NOTE: Rougher tail and scavenger tail samples are filtered into 100 ml flasks, containing 12 ml $AlCl_3$. All other samples are filtered into 200 ml Phosphoric flasks containing 25 ml of $AlCl_3$ solution. This effectively doubles the concentration, increasing the accuracy of the assay. Standards for this range of samples must be divided in half. E.g. 0.040 to 0.020, 0.066 to 0.033 etc.

To continue---filter into the flasks using #2 fast fold Whatman papers. Wash 3-4 times with hot water. Bulk flasks to the neck and cool to 20 C. Bulk to line, stopper and shake well.

The samples are now ready for analysis on the Atomic Absorption Spectrophotometer.

MOLYLG

Appendix 7
Assay Reports

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

D.D. CORE (EXPLORATION) ASSAYS

Jan 2002

	SAMPLE NO.	MoS_2
1	9826	0.082
2	9827	0.055
3	9828	0.316
4	9829	0.080
5	9830	0.056
6	9831	0.029
7	9832	0.142
8	9833	0.064
9	9834	0.053
10	9835	0.050
11	9836	0.057
12	9837	0.038
13	9838	0.157
14	9839	0.164
15	9840	0.089
16	9841	0.042
17	9842	0.033
18	9843	0.043
19	9844	0.084
20	9845	0.329
21	9846	0.045
22	9847	0.074
23	9848	0.064
24	9849	0.070
25	9850	0.018
26	9851	0.086
27	9852	0.097
28	9853	0.063
29	9854	0.115
30	9855	0.058
31	9856	0.144
32	9857	0.075
33	9858	0.053
34	9859	0.067
35	9860	0.134

36	9861	0.094
37	9862	0.075
38	9863	0.074
39	9864	0.152
40	9865	0.053
41	9866	0.059
42	9867	0.079
43	9868	0.059
44	9869	0.053
45	9870	0.020
46	9871	0.081
47	9872	0.043
48	9873	0.072
49	9874	0.039
50	9875	0.026
51	9876	0.052
52	9877	0.046
53	9878	0.079
54	9879	0.064
55	9880	0.048
56	9881	0.059
57	9882	0.056
58	9883	0.065
59	9884	0.086
60	9885	0.055
61	9886	0.020
62	9887	0.026
63	9888	0.041
64	9889	0.050
65	9890	0.017
66	9891	0.035
67	9892	0.029
68	9893	0.024
69	9894	0.034
70	9895	0.015

THOMPSON CREEK MINING LTD

ENDAKO MINES DIVISION

DD CORE ASSAYS

March 2002 DDH Program

	SAMPLE NO.	MoS_2
1	9896	0.040
2	9897	0.042
3	9898	0.043
4	9899	0.034
5	9900	0.055
6	9901	0.060
7	9902	0.045
8	9903	0.021
9	9904	0.043
10	9905	0.104
11	9906	0.106
12	9907	0.059
13	9908	0.055
14	9909	0.055
15	9910	0.030
16	9911	0.048
17	9912	0.174
18	9913	0.050
19	9914	0.030
20	9915	0.088
21	9916	0.047
22	9917	0.048
23	9918	0.076
24	9919	0.030
25	9920	0.061
26	9921	0.025
27	9922	0.125
28	9923	0.103
29	9924	0.033
30	9925	0.036
31	9926	0.091
32	9927	0.028
33	9928	0.005
34	9929	0.007
35	9930	0.129

36	9931	0.056
37	9932	0.066
38	9933	0.030
39	9934	0.043
40	9935	0.047
41	9936	0.054
42	9937	0.057
43	9938	0.047
44	9939	0.124
45	9940	0.048
46	9941	0.075
47	9942	0.055
48	9943	0.229
49	9944	0.308
50	9945	0.053
51	9946	0.035
52	9947	0.035
53	9948	0.036
54	9949	0.063
55	9950	0.042
56	9951	0.056
57	9952	0.043
58	9953	0.072
59	9954	0.050
60	9955	0.050
61	9956	0.048
62	9957	0.096
63	9958	0.057
64	9959	0.042
65	9960	0.094
66	9961	0.123
67	9962	0.073
68	9963	0.113
69	9964	0.113
70	9965	0.124
71	9966	0.036
72	9967	0.080
73	9968	0.032
74	9969	0.055
75	9970	0.016
76	9971	0.113
77	9972	0.020

78	9973	0.026
79	9974	0.045
80	9975	0.048
81	9976	0.059
82	9977	0.050
83	9978	0.037
84	9979	0.016
85	9980	0.071
86	9981	0.021
87	9982	0.053
88	9983	0.044
89	9984	0.046
90	9985	0.172
91	9986	0.116
92	9987	0.142
93	9988	0.264
94	9989	0.036
95	9990	0.067
96	9991	0.069
97	9992	0.041
98	9993	0.050
99	9994	0.079
100	9995	0.061
101	9996	0.040
102	9997	0.033
103	9998	0.062
104	9999	0.037
105	10000	0.040
106	10001	0.044
107	10002	0.044
108	10003	0.051
109	10004	0.036
110	10005	0.550
111	10006	0.029
112	10007	0.081
113	10008	0.008
114	10009	0.032
115	10010	0.009
116	10011	0.050
117	10012	0.090
118	10013	0.044
119	10014	0.085
120	10015	0.058
121	10016	0.031
122	10017	0.059

123	10018	0.107	
124	10019	0.053	
125	10020	0.069	
126	10021	0.079	
127	10022	0.514	
128	10023	0.052	
129	10024	0.050	
130	10025	0.194	
131	10026	0.041	*
132	10027	0.027	
133	10028	0.114	**
134	10029	0.095	***
135	10030	0.067	
136	10031	0.045	
137	10032	0.043	
138	10033	0.057	
139	10034	0.140	
140	10035	0.059	
141	10036	0.346	
142	10037	0.033	
143	10038	0.110	
144	10039	0.055	
145	10040	0.037	
146	10041	0.073	
147	10042	0.262	
148	10043	0.050	
149	10044	0.096	
150	10045	0.109	
151	10046	0.412	
152	10047	0.097	
153	10048	0.037	
154	10049	0.090	
155	10051	0.109	*

Due to Core Splitter SNAFU:

* only 4' of sample interval from 10026 - 6' of interavl representated by 10051

** 2' sample interval

*** 18' sample interval

Diamond Drill Core Head Assays

Diamond Drill Core
Head Assays - % MoS_2

May 21st, 2002

Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2
10050	0.400	10080	0.091	10110	0.026	10140	0.019	10170	0.079
10051	-----	10081	0.033	10111	0.014	10141	0.047	10171	0.061
10052	0.069	10082	0.062	10112	0.020	10142	1.670	10172	0.339
10053	0.054	10083	0.126	10113	0.044	10143	0.059	10173	0.117
10054	0.087	10084	0.028	10114	0.152	10144	0.112	10174	0.166
10055	0.083	10085	0.095	10115	0.194	10145	0.083	10175	0.081
10056	0.101	10086	0.068	10116	0.052	10146	0.041	10176	0.035
10057	0.050	10087	0.496	10117	0.060	10147	0.045	10177	0.209
10058	0.177	10088	0.066	10118	0.176	10148	0.023	10178	0.055
10059	0.182	10089	0.048	10119	0.082	10149	0.336	10179	0.077
10060	0.065	10090	0.056	10120	0.135	10150	0.181	10180	0.057
10061	0.080	10091	0.033	10121	0.091	10151	0.221	10181	0.104
10062	0.081	10092	0.144	10122	0.056	10152	0.028	10182	0.054
10063	0.067	10093	0.087	10123	0.031	10153	0.056	10183	0.027
10064	0.087	10094	0.084	10124	0.059	10154	0.233	10184	0.182
10065	0.064	10095	0.054	10125	0.280	10155	0.144	10185	0.060
10066	0.057	10096	0.062	10126	0.214	10156	0.049	10186	0.274
10067	0.054	10097	0.222	10127	0.139	10157	0.100	10187	0.208
10068	0.031	10098	0.058	10128	0.027	10158	0.080	10188	0.071
10069	0.102	10099	0.446	10129	0.055	10159	0.075	10189	0.061
10070	0.081	10100	0.087	10130	0.070	10160	0.251	10190	0.052
10071	0.128	10101	0.037	10131	0.034	10161	0.059	10191	0.098
10072	0.079	10102	0.027	10132	0.037	10162	0.014	10192	0.076
10073	0.081	10103	0.130	10133	0.019	10163	0.070	10193	0.055
10074	0.217	10104	0.044	10134	0.052	10164	0.050	10194	0.025
10075	0.091	10105	0.101	10135	0.019	10165	0.047	10195	0.056
10076	0.060	10106	0.054	10136	0.022	10166	0.035	10196	0.065
10077	0.080	10107	0.052	10137	0.038	10167	0.026	10197	0.113
10078	0.134	10108	0.048	10138	0.039	10168	0.02	10198	0.043
10079	0.070	10109	0.030	10139	0.039	10169	0.052	10199	0.041

Diamond Drill Core Head Assays

Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2	Sample #	% MoS_2
10200	0.044	10230	0.027	10260	0.087	10290	0.043	10320	0.030
10201	0.057	10231	0.041	10261	0.078	10291	0.036	10321	0.073
10202	0.185	10232	0.047	10262	0.025	10292	0.041	10322	0.055
10203	0.212	10233	0.022	10263	0.129	10293	0.032	10323	0.058
10204	0.020	10234	0.045	10264	0.021	10294	0.129	10324	0.268
10205	0.022	10235	0.067	10265	0.049	10295	0.015	10325	0.052
10206	0.039	10236	0.035	10266	0.021	10296	0.031	10326	0.335
10207	0.574	10237	0.226	10267	0.023	10297	0.038	10327	0.055
10208	0.027	10238	0.080	10268	0.035	10298	0.114	10328	0.032
10209	0.022	10239	0.149	10269	0.015	10299	0.035	10329	0.059
10210	0.049	10240	0.140	10270	0.033	10300	0.028	10330	0.033
10211	0.018	10241	0.081	10271	0.054	10301	0.036	10331	0.058
10212	0.082	10242	0.071	10272	0.053	10302	0.089	10332	0.059
10213	0.392	10243	0.143	10273	0.036	10303	0.088	10333	0.072
10214	0.027	10244	0.065	10274	0.031	10304	0.035	10334	0.048
10215	0.042	10245	0.067	10275	0.012	10305	0.043	10335	0.119
10216	0.249	10246	0.151	10276	0.026	10306	0.057	10336	0.031
10217	0.059	10247	0.059	10277	0.022	10307	0.074		
10218	0.110	10248	0.034	10278	0.282	10308	0.046		
10219	0.061	10249	0.032	10279	0.380	10309	0.163		
10220	0.073	10250	0.482	10280	0.036	10310	0.087		
10221	0.142	10251	0.289	10281	0.033	10311	0.053		
10222	0.028	10252	0.063	10282	0.081	10312	0.074		
10223	0.042	10253	0.046	10283	0.050	10313	0.040		
10224	0.018	10254	0.079	10284	0.222	10314	0.034		
10225	0.027	10255	0.046	10285	0.056	10315	0.116		
10226	0.032	10256	0.059	10286	0.120	10316	0.065		
10227	0.036	10257	0.049	10287	0.122	10317	0.06		
10228	0.109	10258	0.017	10288	0.185	10318	0.038		
10229	0.019	10259	0.111	10289	0.141	10319	0.098		

ENDAKO PIT

S-02-06
-90°; TD = 317'
-mod shearing & min1 veins
-mod grade
2665'

S-02-07
-90°; TD = 317'
-mod veining, less shearing
-mod grade to 250'
2664'

S-02-08
-68°-->287°; TD = 287'
-mod veining, shearing
-good grade to 160'
2622'

S-02-09
-68°-->287°; TD = 287'
-mod veining; mod to str sheared
-good grade to 210'
-likely SEF at 208' (60cm green gougy flt bx)
2621'

S-02-02
-90°; TD = 207'
-no QFP
-mod grade, no 'super hi-grade'
2629.5'

S-02-03
-90°; TD = 257'
-minor QFP
-no intervals >0.1% MoS2
2575.9'

S-02-01
-90°; TD = 257'
-QFP dykes
-low grade, esp. below 200'
2619.5'

S-02-11
-90°; TD = 317'
-mod shearing
-mod grade to 240'
-min QFP dykes near top
2657'
2667'

S-02-13
-45° --> 300°; TD = 427'
-min shearing, veining
-wk grades 50-190'

S-02-12
-90°; TD = 317'
-sig QFP dykes below 220'
-hi-grades coincide with sheared top of dyke (226')
-mod grade 80-230'
2662'

S-02-10
-90°; TD = 317'
-mod Qtz-MoS2 veining; decr. with depth
-mod grade to 200', decr. below
2662'

S-02-14
-60°-->155°; TD = 357'
-mod QFP dykes, local shearing
-low grade throughout, except 230-260'
2662'

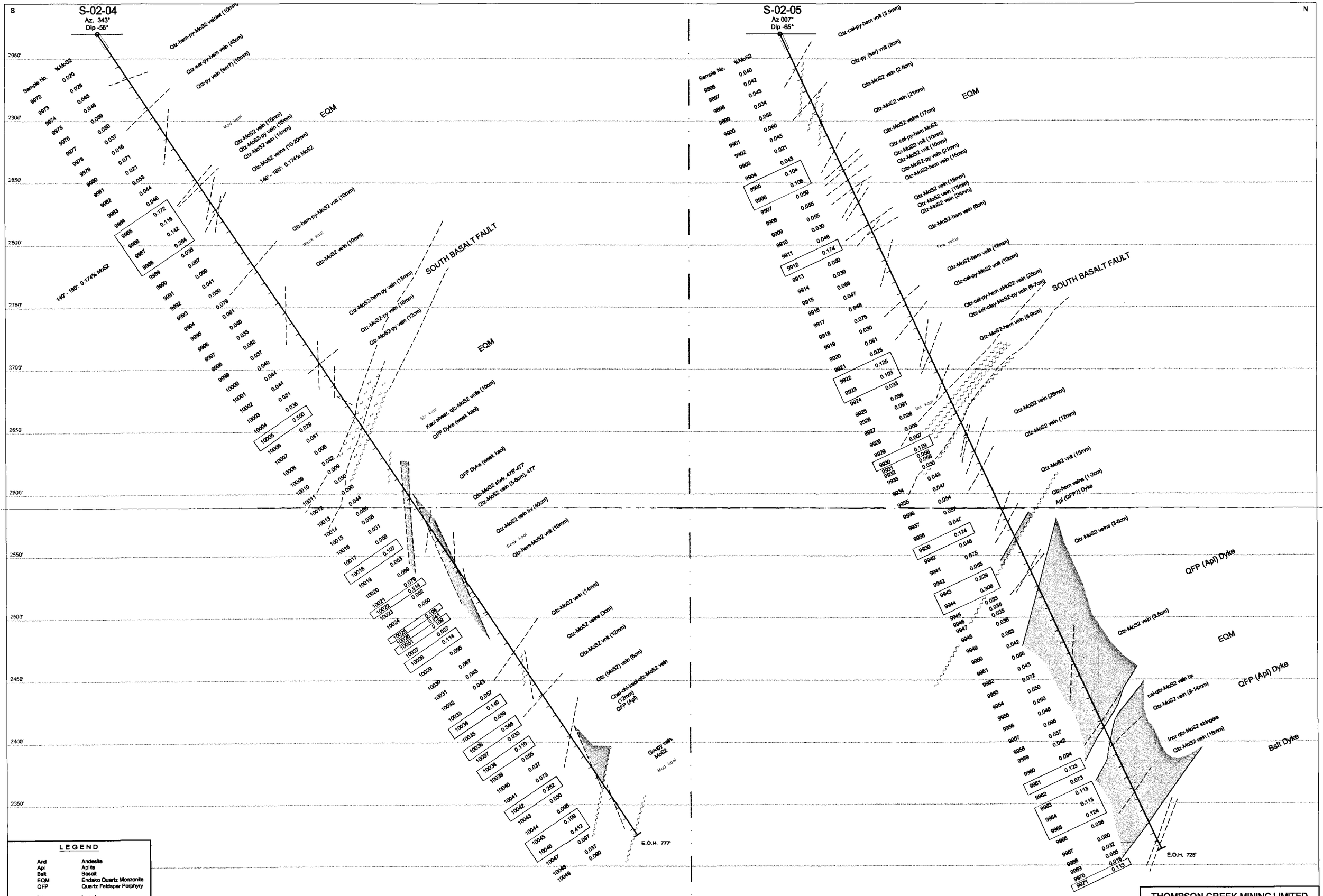
SOUTH BASALT FAULT

S-02-04
-56°-->347°; TD = 777'
-minor thin QFP dykes
2970'

S-02-05
-65°-->007°; TD = 725'
-low-med grade
-QFP dykes below SBF
-more py, hem above SBF
-grades not elevated at or below SBF

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C.J. [illegible]
5/3/03

THOMPSON CREEK MINING LIMITED	
ENDAKO MINES	
DRILL HOLE LOCATION MAP (MI)	
SCALE: 1"=200' 0 500 feet	
DATE: JANUARY 2003 DRAWN BY: WILDROCK RESOURCES FILENAME: DDH-PLAN.DWG	FIGURE 4



LEGEND

And	Andesite
Apl	Aplite
Bslt	Basalt
EQM	Endako Quartz Monzonite
QFP	Quartz Feldspar Porphyry
bx	breccia
flt	fault
stwk	stockwork
vnlt	veinlet
cal	calcite
chal	chalcedony
chl	chlorite
hem	hematite
kaol	kaolinite
Kf	K-feldspar
lim	limonite
mag	magnetite
py	pyrite
qtz	quartz
ser	sericite

Contacts: defined, inferred
Vein: defined, inferred
Fault: defined, inferred

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
C. T. MUD
5/3/03

THOMPSON CREEK MINING LIMITED
ENDAKO MINES
S-02-04 and S-02-05 SECTIONS VIEW to WEST (#2)
SCALE: 1"=50'
0 25 50 75 feet
DATE: JANUARY 2003
DRAWN BY: WILDROCK RESOURCES
FILENAME: DDH-S-02-04-05.DWG
FIGURE 8