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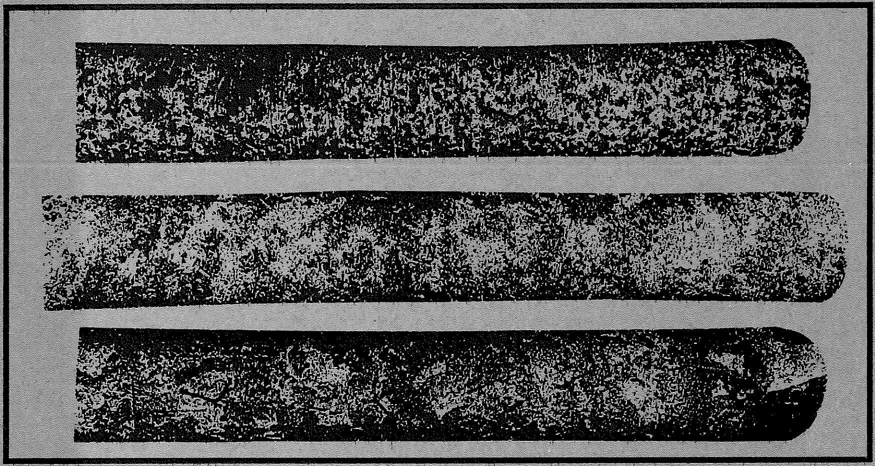
1988-1989
Drill Core Repository Sampling Projects



Minnesota Department of
Natural Resources
Division of Minerals

Reports 255-1, 265, 266

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ADDENDUM, ERRATA

Page i. Special thanks should be given to Leon Gladen whose interest in mineralization of the "Copper Fault" resulted in the initiation of Project 265.

Page 23. An example of the logger (Rock Ware, Inc.) drill hole profiles, is included in the report. The remaining "Logger" drill hole profiles were not completed at the time of printing; however, they will be available from the MnDNR office in Hibbing by August 1, 1989. Please note that the coding may not be exactly the same as those used in Report 255, due to use of an upgraded version of the original Logger program.

Pages 10-15. Table 255-1-2 lists drill holes from both Report 255-1 <u>and</u> the earlier Report 255 (Dahlberg, 1987) having anomalous Pt+Pd+Au values.

Page 17. Table 3A, under <u>Analytical Work</u>, (not 2A) describes the analytical package used for Duluth Complex mafic-ultramafic rocks, and Table 3B the package used for Duluth Complex granitoid rocks.

Page 139. The statement "This data is on file at the Soudan Mine State Park, USX Corporation, Minnesota DNR Minerals Division, and Ironworld U.S.A." should read "The original sources of data included the Soudan Mine State Park, USX Corporation, Minnesota DNR Minerals Division, and Ironworld U.S.A.

Page 141. Additional analyses for Soudan Mine samples collected during the excavation of the University of Minnesota Physics Experiment room can be found in the publication "Analytical Results of the Public Geologic Sample Program, 1985-1987 Biennium" by Morey, G. B. and McDonald, L. L. (1987), Minnesota Geological Survey Information Circular 25, 59 pages.

Page 246. Second Column. The statement "The analyses to be performed were generalized into the following groups:" should read "The analyses performed were generalized into the following groups:".

Also, some of the analytical groups were listed incorrectly. The correct elemental listing within these groupings are as follows:

BASE METALS (BM) - include Co, Ni, Cu, Zn, Pb

TRACE ELEMENTS (TE) - includes Li, Be, B, C, F, Cl, V, Cr, Ga, Ge, As, Se, Br, Rb, Sr, Zr, Nb, Mo, Cd, In, Sn, Sb, Te, I, Cs, Ba, Hf, Ta, W, Hg, Tl, Bi

MAFIC SPINEL OXIDES (MSO) - includes the elements or their oxides of Mg, Ti, V, Cr, Mn, Fe

The other groups are listed correctly.

Minnesota Department of Natural Resources
Division of Minerals
William C. Brice, Director

1988-1989
Drill Core Repository
Sampling Projects

By:
E. H. Dahlberg, D. Peterson, and B. A. Frey

A Minerals Diversification Project

1989

Reports 255-1
265, 266

This report is on file at various major libraries in Minnesota. It may be purchased at the Hibbing office, DNR Minerals Division. For further information contact Richard Ruhanen at (218) 262-6767

ACKNOWLEDGEMENTS

These three studies constitute a segment of the Minnesota Mineral Diversification Plan which was made possible through legislative funding by the Minnesota Minerals Coordinating Committee.

The efforts of the following people made these projects possible in the contexts shown below.

Sue Saban, Helen Koslucher, Coleen Keppel, and Diane Williams provided the extra hours needed to get the job done as far as word processing, desktop publishing, LASER printing, bookkeeping, and logistical support. Rick Ruhanen provided and coordinated computer support for the projects. Jacki Jiran provided most of the computer support and spent extra hours coordinating the desktop publishing. Tom Anderson kept machinery and vehicles functioning when they were needed. Dave Dahl, Pat Geiselman, and Jay Niebuhr (especially) contriubuted toward the artwork. Greg Walsh and Jay Niebuhr drafted figures and plates. Pat Geiselman, Dawn Needeham, Mike Ellett, and Jim Strommer all sawed and moved drill core. Jim Strommer and Dawn Needeham contributed to the rock descriptions, and to the task of data gathering. Mike Lubotina and Al Dzuck for assembling metal shelving at below zero temperatures at the Soudan Mine core storage site. Mike McKenna and Henk Dahlberg for critically reading this manuscript.

Special thanks for Frederick L. Klinger, and Richard G. Kendall, for providung copies of their respective theses on the Soudan Mine.

Special thanks to Cedric L. Iverson for fruitful discussions, and for finding missing information about the Soudan Mine drilling.

The people of the Parks Division of the Minnesota Department of Natural Resources need special acknowledgement for their cooperation in making the Soudan Mine core available. This includes Paul Wannarka, Acting Park Manager and the entire, helpful staff of the Soudan Mine State Park.

This volume is dedicated to the late Don Logan, Park Manager of Soudan Mine State Park. His zeal toward underground mine history, and educating the public on this important fragment of Minnesota's past and future, made the Soudan Mine sampling possible.

ABSTRACT

These 3 projects sampled and analyzed pre-existing drill core, with an emphasis on precious metals and elements which had previously been neglected.

Project 255-1 sampled a total of 512 samples from the basal contact and inner portions of the largely mafic Duluth Complex in northeast Minnesota. The widespread nature of the mineralization associated with the basal contact portion was confirmed with 3 drill holes containing combined Au + Pt + Pd values exceeding 1000ppb and 13 other holes with lesser mineralization. Drill holes from the inner portion exhibited lower values.

Project 265 sampled 251 samples from 25 development drill holes from the Soudan Mine (Algoman-type iron formation). Gold mineralization (several hundred ppb's) appears to be breccia related. Pt and Pd values of similar values are problematical. Other samples exhibited anomalous Ba and F.

Project 266 analyzed 213 samples from 12 drill holes located in the granite-greenstone terrane of north central Minnesota (Beltrami County). Gold mineralization over 1 ppm was confirmed from previous sampling, and appeared to be associated with Bi, As, Sb, Se, S, Ag, Cu, Mo and Fe_2O_3. A weakly mineralized drill hole contained a small interval of calcareous "blackschist" alteration rock.

Samples were analyzed for (varied with project) Au, Pt, Pd, Bi, Sb, As, B, Ba, S, Se, Te, Ag, Cu, Ni, Mo, W, Sn, F, Ga, Sc, Y, La, Ce, Zr, Nb, Ta, Cd, Zn, Pb, Cr, Co, V, TiO_2, MgO, Fe_2O_3, MnO, SiO_2, Al_2O_3, P_2O_5, Li, Na_2O, K_2O, Rb, Sr, CaO, Be, Cs, and Cl.

INTRODUCTION

The Hibbing Drill Core Repository (Library) contains over 685,000 actual feet of drill core and over 265,000 drilling feet of cuttings from approximately 4,200 drill holes. Most of these have been drilled by private mineral exploration companies during the course of exploration for iron ore, uranium, base metals and/or precious metals. Other drill holes are from government agencies such as the U.S. Geological Survey, U.S. Bureau of Mines, Minnesota Geological Survey, Minnesota Department of Natural Resources and Minnesota Department of Transportation.

Two separate projects have been conducted on core from this repository. One, a continuing project (255-1), focuses on the magmatic rocks of the Duluth Complex in northeastern Minnesota, and the other involves the Archean Greenstone belt rocks (266) in north-central Minnesota.

A third project (265) evaluated drill core from the original development drilling for the former U.S Steel Soudan Mine (now the Soudan Mine State Park). No other parcel of Archean Greenstone in Minnesota has so much available drilling information.

Each of these projects will be covered as separate sections within this report.

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Project 255-1

DULUTH COMPLEX SAMPLING PROJECT

ABSTRACT

This continuing project analyzed 373 samples from 17 drill holes located in the basal contact zone of the Duluth Complex, and 139 samples from 17 drill holes located in the inner portion of the Duluth Complex. The drill holes are maintained at the Department of Natural Resources, Mineral Division's Core Library in Hibbing, MN.

Drill holes NM-3, DU-13, and W-12 all had combined Pt + Pd + Au values greater than 1000 ppb, with 13 other drill holes containing lesser mineralization. This continues to verify the widespread nature of this mineralization in the basal contact zone of the Duluth Complex.

The analyses from the drill holes of the inner portion exhibited lower values.

Samples were analyzed for Pt, Pd, Au, Ag, S, Cl, F, Cu, Ni, Cr, Co, Zn, TiO2, V, Rb, Cs, Sr, MgO, Fe2O3, SiO2, Bi, As, Sb, Se, Te, Sc, Y, Zr, Al2O3, CaO, Na2O, K2O, MnO, and P2O5.

INTRODUCTION

The main purposes of this mineral potential project are to:

1) sample pre-existing drill core in order to characterize previously unrecognized platinum group element and associated mineralization and related alteration

2) to describe the lithologic framework of the samples.

Most drill holes and previous sampling of the Proterozoic Duluth Complex have been located along the footwall where the Complex has intruded older Proterozoic and Archean rocks. As a follow-up to Project 255 (Dahlberg, 1987), this project has described and analyzed 372 samples from 17 drill holes located in proximity to the footwall of the Duluth Complex. Additionally, 139 samples were taken from 17 drill holes located in the inner portions of the Duluth Complex. Mafic and felsic samples were analyzed using slightly different analytical packages.

DULUTH COMPLEX LOCATION, LAND OWNERSHIP AND GENERAL ACCESSIBILITY

The Duluth Complex is a series of intrusive rocks located in Northeast Minnesota which comprises an area of about 2,500 square miles. The outcrop pattern is arcuate in shape and extends from Duluth in the south to nearly the northeastern tip of Minnesota (Phinney, 1972).

Ground access in the Duluth Complex is problematic due to the variable road density. Swampy conditions in many areas require the use of winter trails for drill rigs or other heavy equipment. Portions of the Duluth Complex, however, do have relatively good, but uneven, outcrop coverage.

Approximately 55% of the land occupied by the Duluth Complex is owned by the Federal government (more so to the north), with about 25% under State and County jurisdiction, and 20% under private ownership. Private mineral exploration companies currently hold leases on approximately 16,500 acres of State of Minnesota lands in the Duluth Complex.

SUMMARY GEOLOGY OF THE DULUTH COMPLEX

A series of mafic igneous rocks (both intrusive and extrusive), known from outcrop or inferred from geophysical data, forms an arc that runs from Kansas, through Iowa, Minnesota and Lake Superior, then south through Michigan and possibly into Ohio. This Middle Proterozoic feature is known as the Midcontinent Rift System. Keweenawan extrusive and intrusive igneous and sedimentary rocks in northeastern Minnesota are a result of the abortive rifting episode which caused the development of this Rift System (Holst, et al., 1986) within the older Archean granite-greenstone and Early Proterozoic sediments. The dominantly-mafic extrusive rocks of the North Shore Volcanic Group are intruded by the rocks of the Duluth Complex (largely at the unconformity between the North Shore Volcanics and the older rock sequence). The North Shore Volcanics are overlain by clastic sedimentary rocks associated with the rifting.

The Duluth Complex is a large body of dominantly mafic intrusive igneous rock that occurs in an arcuate pattern from Duluth, Minnesota, north to very near the United States-Canada border, and nearly to Lake Superior in the east. It consists of a series of intrusions of diverse composition that can be grouped roughly into an early series of anorthosites, gabbroic anorthosites, and a later troctolitic series (Holst, et al., 1986). Other lesser rock types include ultramafics, ferrogranodiorites, granites (often granophyric), and hornfels contaminated rocks.

The contacts between intrusions are usually not exposed, but geophysics, i.e. second vertical derivative filtered magnetics and gravity (Chandler, in Holst, et al., 1987) enable deduction of their location where outcrop is lacking.

Many studies have been conducted on various aspects of the geology of the Keweenawan igneous rocks in Minnesota. Publications by Weiblen and Morey (1980), Weiblen (1982), and Green (1982, 1983) provide useful summaries on the geology of Keweenawan igneous rocks. Recent papers such as Holst, et al.,(1986) and Severson (1989), further elucidate the internal structure and stratigraphy of the Duluth Complex.

Copper-nickel mineralization has spurred past drilling in the Duluth Complex. This drilling focused on the footwall contact rocks, where the Duluth Complex intruded the older Archean greenstone granites, Early Proterozoic Biwabik Iron Formation and the sedimentary Virginia Formation.

EXPLORATION HISTORY OF THE DULUTH COMPLEX

Numerous occurrences of mineralization within the Duluth Complex have been reported since the mid-1800's. These minerals included titaniferous magnetite, chromite, copper sulfides, ilmenite, apatite, graphite, nickel sulfides, and more recently platinum group elements (Martin, 1985).

The outcrop discovery of copper-nickel sulfides in the early 1950's lead to extensive drilling of portions of the Duluth Complex footwall. Exploration for sulfides, titaniferous magnetites and metamorphosed iron formation, has produced over 6,000 drill holes. Papers concerning the more general sulfide mineralization include Foose and Weiblen (1972), Tyson and Chang (1984), Bonnichsen (1972), Bonnichsen (1974), Bonnichsen, Fukui and Chang (1980), Mainwaring and Naldrett (1977), Pasteris (1984), Ripley and Al-Jassar (1987) and Ervin (1988).

At one point, conditions were encouraging enough for Amax to complete an exploration shaft; however, an economic downturn forced cancellation of the project. Some precious metal evaluation was carried out along with the copper nickel work, but serious interest in the platinum group element potential was not renewed until the mid-1980's [Sabelin (1985), Sabelin (1987), Jongewaard (1986) and Dahlberg (1987)].

METHODOLOGY OF CORE LOGGING AND SAMPLING

All drill logs, analytical results, and other data were placed in open file for public examination on a monthly basis as they were received. This included the duplicate and standard sample analyses.

Seventeen drill holes were logged and sampled in both the basal contact portion and the inner portions of the Duluth Complex (a total of 34 holes). A summary of the logging and sampling is shown in Table 255-1-1A and Table 255-1-1B (WR-1 refers to the gabrroic analytical package, and WR-2 refers to the granitic analytical package; see Tables 255-1-3A and 255-1-3B).

Logging and Sampling Procedures

The systematics of the procedure used for logging and selecting sample intervals and the location of thin sections and polished thin sections was as follows:

1. Lay out as much of the drill core as was possible.

2. Make a visual inspection of the core, from top to bottom, and use a piece of chalk to write down on the core:
   a. rock types;
   b. contacts between rock types;
   c. the presence of sulfides (esp. chalcopyrite and bornite);
   d. lamination/foliation of minerals;
   e. cumulate zones;
   f. dikes;
   g. uncommon minerals (e.g.: tourmaline, calcite, zircon, sphene, muscovite, apatite + problematics...);
   h. pegmatoidal stretches;
   i. oxide minerals (is it magnetite, ilmenite or chromite?);
   j. alteration (serpentinization, diseased plagioclase, uralitization, chlorite...);
   k. rusty-red fluid drops on core;
   l. mixed rocks, contamination, homogenization;
   m. inclusions; and
   n. graphitic zones.

3. The next step was to go back to the top of the section that was layed out and use all the information that was written on the core to take a detailed look at those portions which had some of the criteria for possible presence of Platinum Group Element (PGE) mineralization.

4. Intervals were then selected for sampling (every attempt was made to sample 10' intervals). The core above and below, as well as the sample intervals were then logged.

5. Approximately 20' of the lowest portion of the logged drill core would be left out while the next portion of the hole was examined and logged.

Sampling Criteria

The criteria listed below were used to determine which intervals were to be sampled. Sulfide minerals were found in nearly all intervals that were sampled. Table 255-1-2 lists those criteria used along with short lithologic descriptions of those drill holes containing anomalous values of Pt + Pd + Au.

1. Pegmatitic textures.

2. Oxide cumulate zones, for possible chromite.

Table 255-1-1A. Core Logging and Sampling Summary for Basal Contact Portion of Duluth Complex.

DDH	Total Available Footage	Footage Logged	Wr-1 # of	Gabbroic Assays Total Footage	WR-2 # of	Granitic Assays Total Footage	# Of TS	PTS
MV2-1W	36'	36'	4	34'	-	-	2	-
32718	575'	575'	8	70.3'	6	40.5'	5	3
Du-7	3190'	917.4'	22	282.3'	1	4.4'	9	3
NM-3	4192'	1152.4'	28	256.6'	1	10'	11	15
Du-13	3166'	717.1'	11	98.1'	-	-	1	7
D-6A	2001'	558.2'	18	167.5'	1	9.4'	5	16
Ba-4	2674'	849'	37	328.9'	1	12'	2	18
W-12	1402'	787'	16	156.8'	-	-	6	8
Ba-3	2467'	614'	28	255'	-	-	6	14
B-3	3579'	974.5'	23	177.2'	-	-	2	15
W-5	1625'	403.8'	10	80.6'	-	-	1	8
A-2	1564'	696'	25	244.1'	-	-	6	16
A-4	772'	772'	37	370'	-	-	2	21
A-1	531'	531'	6	32.1'	-	-	0	6
3	1160'	1160'	6	80'	-	-	2	3
CN-1	1110'	1110'	37	370'	-	-	5	39
CN-7	1676'	1090'	46	460'	-	-	3	36
TOTALS 17	31,720'	12,943.4'	362	3463.5'	10	76.3'	68	228

Table 255-1-1B. Core Logging and Sampling Summary for Inner Portion of Duluth Complex.

DDH	Total Available Footage	Footage Logged	Wr-1 # of	Gabbroic Assays Total Footage	WR-2 # of	Granitic Assays Total Footage	# Of PTS	TS
S-1	25.5'	25.5'	3	25.3'	0	-	2	1
FL-2	36'	36'	1	9.2'	0	-	0	1
FL-1	112.2'	112.2'	4	30.4'	0	-	5	0
NE-2	1002'	123'	5	31'	0	-	5	0
IS-1	342.2'	86.4'	3	24.5'	0	-	2	1
NR-1	729'	275'	11	87.1'	0	-	7	2
G-5	302'	302'	6	36.9'	0	-	6	2
G-4	324'	324'	6	47.5'	1	4'	6	1
G-3	498'	498'	10	89.5'	5	50.2'	13	4
G-6	396'	396'	9	82'	2	18'	9	6
SR-1	370'	370'	13	75.2'	2	8.1'	13	3
BL-1	433'	433'	14	83'	-	-	14	2
SE-3	240'	240'	2	12'	-	-	2	1
NE-1	295'	156'	2	11'	-	-	0	2
SE-1	1274'	607.7'	23	145.8'	-	-	23	4
SL-4	771'	57'	2	14'	-	-	1	1
SL-1	990'	536'	14	97.3'	1	1'		
TOTALS 17	8,139.9'	4,577.8'	128	901.7'	11	81.3'	121	33

Table 255-1-2

Sampling Criteria, Rock Description, and Combined Pt + Pd + Au Values of Anomalous Samples

Project 255-1

DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Sampling Criteria: Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
Du-7	19745	2794'-2813'	19'	503	Alternating zones of cu-sul-b troctolites and picrites. Rusty-red drops on core.				X					Scrambled core grab samples
NM-3	19790	3978'-3986'	8'	1250	Dominantly cu-sul-rich, cgr ol-gabb w/some mixed zones of mgt-pyx-troct and pegmatoidal ol-b-gabbro. Large cp and bo grains locly.	X			X					
NM-3	19791	4111.5'-4120.5'	9'	793	Cu-sul-rich, mgr-cgr, ol-gabbro			X						
Du-13	19803	3503'-3510'	7'	1031	Cu-sul-rich, (po and bo), opx?-pyroxenite and mela-gabbro. Sulfide content locally semi-massive (not textured).							X		Grab samples
D-6A	19818	1402.4'-1412.4'	10'	487	Cu-sul-b, highly mixed, feldspathic dunite and troctolite. Secondary amphibole in troctolitic portions. Sulfides as disseminations and large blebs of cp greater than Po.				X					
D-6A	19829	2015.6'-2021'	5.4'	738	Cu-sul-b, fgr norite w/intercalations of mgr-cgr, amph-gabbro. Sulfides as disseminations and irregular grains of cp + po w/minor bornite.					X				
Ba-4	19860	2301'-2311'	10'	494	Cu-sul-b, mgr, troctolite. Directly above this unit is 14' of highly serpentinized pyx-troctolite.									
Ba-4	19861	2330.3'-2340.3'	10'	642	Contact of cu-sul-b, mgr troctolite (as above), and cu-sul-b, cgr, pyx-b-anortc-troctolite. cp and po as disseminations and cgr blebs assoc w/biotite.						X			

TABLE 255-1-2A

DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Sampling Criteria: Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
Ba-4	19863	2418.6'-2427.4'	8.8'	457	Cu-sul-b, mgr-cgr, anortc-troctolite mixed w/mgr, cu-sul-b, picrite. Local sul's along fractures, disseminations, and large blebs assoc. w/sub-ophitic pyx grains.				X					
Ba-4	19865	2477'-2485'	8'	576	Cu-sul-b, ox-rich, moderately serpent-picrite. Disseminated cp and po (3-4%) throughout. Rusty red drops on core surfaces.		X							
W-12	19874	340'-350'	10'	1189	Cu-sul-rich, cgr, ol-gabbro w/pods of diseased plag locally and uralitization of pyx throughout. Up to 10% interstitial cp.			X						
B-3	19916	367'-368.5'	1.5'	613	Cu-sul-b, ox-b, pyx-b-troctolite. Pyroxene occurs as pegmatoidal crystals assoc. w/ increased mgt and sulfides (1-2%).	X								
A-4	19983	250'-260'	10'	454	Highly mixed portion w/cgr, ox-rich, graphite and cu-sul-b, picrite w/mixed portions of pegmatoidal, anorthositic-pyx-troctolite.	X	X		X				X	
A-4	19985	294'-304'	10'	488	Highly mixed, ox-rich, cu-sul-b, troctolite, picrite, and feldspathic-dunite. Best sulfides in pegmatoidal troctolite.	X	X		X					
A-4	19987	350'-360'	10'	785	Cu-sul-b, ox-rich, mgr-cgr, pyx-b, feldspathic dunite w/local graphite and pyx intergrown w/cp.		X						X	
A-4	20010	757'-767'	10'	516	Mixed, cu-sul and ox-b, serpent-dunite and cgr, cu-sul-rich, peridotite, local zones of anorthositic-troctolite.		X		X					

TABLE 255-1-2B

DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Sampling Criteria: Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
CN-1	20036	564'-574'	10'	745	Mixed cu-sul and ox-b, serpent-dunite and peridotite. Sulfides enriched in peridotite portions.									
Ba-1	18582	2635'-2643'	8'	846	Melanocratic ol-b-norite w/pegmatoidal intercalations of biotite books and cu-sulfide clots and specks assoc. w/amphiboles.	X								
Ba-1	18583	2643'-2653'	10'	632	"Same"	X								
Ba-1	18585	2653'-2663'	10'	572	"Same"	X								
Ba-1	18586	2663'-2673'	10'	498	"Same"	X								
Ba-1	18587	2673'-2680'	7'	622	"Same"	X								
Ba-1	18590	2690'-2700'	10'	889	"Same" w/troctolite below and local graphite.	X							X	
Ba-1	18591	2700'-2710'	10'	1003	Cu-sul-, mgr troctolite w/pegmatoidal norite and anorthosite zones and pyroxenite inclusions w/up to 10% cu-sulfides, local graphite at 2700'.	X			X				X	
Ba-1	18593	2718'-2726'	8'	602	"Same" lowest 8' of this unit w/fgr-ol-gabbro below.	X			X					
Ba-2	19393	1866'-1875'	9'	581	Layered series of serpent-picrites to troctolitic-anorthosites. 2-5% cp + bo and local native copper in upper picrite portions.				X					

TABLE 255-1-2C

DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Sampling Criteria: Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
Ba-2	18453	1875'-1884'	9'	681	Cu-sul-b, anorthositic-troctolites to troctolitic-anorthosites. Trace of cp + bo w/very minor po (upper portion of 27' unit).				X					
Ba-2	18455	1892'-1897'	5'	685	Cu-sul-b, anortc-troct to trocc-anorth. Trace of cp + bo w/very minor po. ("Same as above but this is the lower portion")				X					
Ba-2	18534	2579'-2582'	3'	690	A 3'norite zone (cu-sul-b), in approx. 90' of homogenous, modly serpentinized trocc-anorthosite w/local graphite-rich hornfels and pegmatites.	X				X			X	
Ba-2	18539	2781'-2785'	4'	1260	Cu-sul-rich (5%), picrite intercalation in a pegmatoidal troctolitic-anorthosite to anorthosite zone.	X		X			X			
Ba-2	18552	3253'-3256'	3'	582	Partially assimilated gabbro w/graphic plag-qtz. Rounded clots and disseminated cp (1-2%). 3' of micro-gabb w/hfls inclusions below.					X				
Ba-2	18562	3474'-3484'	10'	610	Cu-sul-b (5%, enderbitic gneiss w/sulfides concentrated in opx clots. "Footwall granite."									
BI-134	19395	1156'-1166'	10'	513	Cgr gabbro w/pegmatoidal, cu-sul-b, anorthosite. Average 3-5% cu-sulfides. Inclusions of Virginia Fm near this zone common.	X				X				
BI-134	19397	1216'-1226'	10'	690	"Same" but dominantly ol-b-gabbro w/cu-sulfides	X				X				

TABLE 255-1-2D

						Sampling Criteria								
DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
BI-134	19402	1706'-1716'	10'	711	Cgr, ol-b-gabbro w/intercalations of pegmatoidal, po-b portions and bo-b-hornfels inclusions.	X								
BI-144	19410	665'-675'	10'	527	Mixed, mgr, ol-b-gabb, anorthositic-troctolite, and intercalations of pegmatoidal gabbroic-anorthosite. Cu-sulfides in anorthositic portions.	X			X					
BI-144	19412	675'-685'	10'	1420	"Same"	X			X					
BI-144	19413	685'-695'	10'	1020	"Same"	X			X					
BI-147	19424	1928'-1940'	12'	690	Cu-sul-b, ol-gabbro.									
D-5	17707	1613'-1614'	1'	1040	Massive sulfide zone, (po + bo tcp), w/Fe-mg hydrosilicates + quartz in a zone of fgr-mgr gabbro-norite w/mixed serpent-ultramafic portions.				X			X		
NM-5	18430	1859'-1864'	5'	482	Semi-massive po + cp + bo + ox in contact w/norite.							X		
Du-9	17711	2591.3'-2592.1	0.8'	3350	Magnetite-olivine cumulate w/milky-blue poikolitic plagioclase.		X							
Du-9	17713	2593.7'-2596.7'	3'	1880	Cu-sul-b, mgr-troctolite w/local pegmatite zones in 13' of mgt-b-picrite w/pyx-bo-b, plag-rich portions.	X								

TABLE 255-1-2E

DDH	S.N.	Depth	Footage	Combined Pt-Pd-Au	Description of Interval Sampled	Sampling Criteria: Pegmatoidal Textures	Oxide Cumulate Zones	Diseased Plag. w/Cu-Sulfides	Mixed Picritic & Anorthositic Rocks	Mixed Hornfels & Igneous Rocks	Contact Zones of Thick Anorthosites and Troct's or Picrites	Semi-massive to Massive Sulfide Zones	Graphite Intergrown w/Sulfides, Oxides, or Silicates	Misc.
Du-15		2400'-2405'	5'	480	Oxide-ol-plag-cumulate zone w/cp, po, pn & bo, and intercalations of brecciated, pegmatoidal gabbro, abundant chromite.	X	X							
Du-15		2405'-2410'	5'	1684	"Same"	X	X							
Du-15		2410'-2415'	5'	6085	"Same" (fgr, oxide-rich cumulate)	X	X							
Du-15		2415'-2420'	5'	3065	"Same"	X	X							
Du-15		2420'-2425'	5'	992	"Same"	X	X							
Du-15		2425'-2430'	5'	1225	"Same"	X	X							
Du-15	16641	2434'-2438'	4'	1736	"Same"	X	X							

TABLE 255-1-2F

3. Mixed rocks, (especially anorthositic portions mixed with troctolitic to picritic rocks).

4. Inclusion-rich portions, (esp. cordierite-hornfels inclusions and zones w/contamination of the igneous rock by assimilation of pelitic hornfels).

5. Semi-massive to massive sulfide zones, (usually pyrrhotite).

6. Graphite intergrown w/sulfides, oxides, or silicates.

7. Zones with diseased or bleached plagioclase.

8. Contact zones between thick anorthositic to gabbroic units and troctolitic or picritic units.

These eight criteria were the main focus of the sampling, but there were also other types of rocks sampled. These included:

1. Copper sulfide bearing granitic dikes or footwall granites with copper sulfide.

2. Thin pyroxenite dikes in the footwall rocks.

3. Serpentinized rocks, highly uralitized gabbros, and diorite dikes.

4. Picrites with rusty-red fluid drops.

Appendix A contains a listing of the sample numbers, drill holes, footages, and lithologic descriptions. Note: the intervals that end in "0" feet indicate that the samples were taken for thin sections, polished thin sections or other miscellaneous information; also note that the list of abbreviations used in the lithologic descriptions is at the beginning of Appendix A.

Appendix B is a listing of the type of analysis and also contains information about the locations of the drill holes.

SAMPLE PREPARATION AND ANALYSIS

The sample preparation and analytical work went out on bid, and Technical Service Laboratories, Ltd., of Mississauga, Ontario, was the low bidder.

Sample Preparation

Samples were crushed in a jaw crusher to 1/4 inch, followed by a cone crusher to 1/10 inch. Each sample was then split and a 1/2 pound portion was pulverized to -150 mesh in a shatter box.

Analytical Work

Table 255-1-3A and 255-1-3B (corresponding to WR-1 and WR-2 respectively) describe the analytical packages used for Duluth Complex rocks. Table 2A describes the analytical package used for Duluth Complex Mafic-Ultramafic rocks. This table indicates the elements (and some oxides) analyzed, the detection limits, the sample weight used, the analytical method, and the overlimit values. The overlimit value refers to the highest analytical value for which quality results can be produced for a given analytical method and element.

The following abbreviations are used for both Tables 3A and 3B:

% = percent (parts per hundred)

PPM = parts per million

PPB = parts per billion

FA = fire assay

ICP = inductively coupled plasma emission spectrometry

AA = atomic absorption

SP ION EL = specific ion electrode

WR = whole rock (inductively coupled argon plasma emission spectrometry)

INAA = instrumental neutron activation analysis

One requirement stipulated for TSL was that the precious metals Au, Pt, and Pd be analyzed using as much sample as is necessary to provide good analytical numbers.

Other procedures used with whole rock (WR) analyses include the following:

Fusion

Each gram sample was fused with a flux mixture of lithium carbonate and boric acid. Each fusion was carried out in a graphite crucible using a proprietary procedure.

Sample Dissolution

The molten sample and flux mixture were poured directly into a nitric acid solution contained in a plastic bottle. The molten slag shatters on impact and as a result, dissolves quite readily. Each bottle was then placed on a shaker for 4 hours to ensure complete dissolution.

Internal Standard

After dissolution, each sample solution was diluted with water containing an internal standard. All dilutions used in this procedure were made to a constant or recorded weight. The

TABLE 255-1-3A. ANALYTICAL PACKAGE FOR DULUTH COMPLEX MAFIC-ULTRAMAFIC ROCKS

ELEMENT	DETECTION LIMIT	SAMPLE WEIGHT grams	ANALYTICAL METHOD	OVERLIMIT VALUE
Pt	10 ppb	30	FA-ICP	50 ppm
Pd	1 ppb	30	FA-ICP	50 ppm
Au	1 ppb	30	FA-ICP	50 ppm
Ag	0.5 ppm	1	AA	30 ppm
S	3 ppm	.5	LECO	20 %
Cl	50 ppm	.1	SP ION EL	1 %
F	20 ppm	.1	SP ION EL	1 %
Cu	1 ppm	1	AA	1 %
Ni	1 ppm	1	AA	1 %
Cr	1 ppm	1	AA	10 %
Co	5 ppm	1	AA	1 %
Zn	1 ppm	1	AA	1 %
TiO_2	.01 %	.2	WR	20 %
V	1 ppm	.2	WR	20 %
Rb	1 ppm	1	AA	10 %
Cs	1 ppm	1	AA	10 %
Sr	1 ppm	.2	WR	10 %
Zr	1 ppm	.2	WR	10 %
Bi	1 ppm	1	HYDRIDE ICP	1 %
As	0.5 ppm	1	HYDRIDE ICP	1 %
Sb	0.1 ppm	1	HYDRIDE ICP(INAA)	1 %
Se	1 ppm	1	HYDRIDE ICP	1 %
Te	10 ppm	1	HYDRIDE ICP	1 %
SiO2	.01 %	.2	WR	-
Al2O3	.01 %	.2	WR	40 %
Fe2O3	.01 %	.2	WR	60 %
CaO	.01 %	.2	WR	50 %
MgO	.01 %	.2	WR	30 %
Na2O	.01 %	.2	WR	30 %
K2O	.01 %	.2	WR	30 %
MnO	.01 %	.2	WR	20 %
P2O5	.01 %	.2	WR	30 %
Ba	1 ppm	.2	WR	20 %
Sc	1 ppm	.2	WR	10 %
Y	1 ppm	.2	WR	10 %

TABLE 255-1-3B. ANALYTICAL PACKAGE FOR DULUTH COMPLEX GRANITOID ROCKS

ELEMENT	DETECTION LIMIT	SAMPLE WEIGHT grams	ANALYTICAL METHOD	OVERLIMIT VALUE
Pt	10 ppb	30	FA-ICP	50 ppm
Pd	1 ppb	30	FA-ICP	50 ppm
Au	1 ppb	30	FA-ICP	50 ppm
Ag	0.5 ppm	1	AA	30 ppm
S	3 ppm	.5	LECO	20 %
Cl	50 ppm	.1	SP ION EL	1 %
F	20 ppm	.1	SP ION EL	1 %
Cu	5 ppm	1	AA	1 %
Ni	5 ppm	1	AA	1 %
Cr	5 ppm	1	AA	1 %
Co	1 ppm	.2	WR	10 %
Zn	5 ppm	1	AA	1 %
Mo	10 ppm	1	AA	1 %
Rb	1 ppm	1	AA	1 %
Sr	1 ppm	.2	WR	10 %
Ba	1 ppm	.2	WR	20 %
Zr	1 ppm	.2	WR	10 %
Bi	1 ppm	1	HYDRIDE ICP	1 %
As	0.5 ppm	1	HYDRIDE ICP	1 %
Sn	100 ppm	.2	WR	10 %
Th	0.2 ppm	1	INAA	10 %
Sb	0.1 ppm	1	HYDRIDE ICP	1 %

samples were mixed and a portion filtered prior to analysis on the ICAP.

Standardization

An individual standardization is carried out by using five international standard samples. These samples have been obtained from the Canadian Certified Reference Material Project, United States Geological Survey, National Bureau of Standards (USA), Centre De Recherches Petrographics Et Geochemiques (France) and the National Institute for Metallurgy (South Africa). Standard samples are treated in the same manner as are samples. In the event that a sample is outside the range of standards used (ie. a limestone in with silicate rocks samples,) this sample is rerun on the ICAP with appropriate standards. Solution standards mean that samples with extremes of one element can be accommodated by the addition of that element in solution to appropriate standards. TSL has a standard group of approximately 35 standards that can be used as a routine. Standardization for the secondary elements (Zr, Sr, Ba, Sc, Y) is carried out in much the same manner in that known reference materials are used to control the analysis.

For ICP or AA work, a multi- acid digestion was used. For each sample, 1.0 gram of pulp was treated with a combination of HF, HClO4, HNO3 and HCl. Samples were digested, taken to HClO4 fumes, diluted and analyzed by ICP or AA as required.

Instrumental Neutron Activation Analysis (INAA) was performed by Activation Laboratories, Ltd. Activation Laboratories, Ltd. is a joint venture company owned by Technical Service Laboratories and Dr. Eric Hoffman.

In order to use selenium effectively as a geochemical indicator in many materials, a lower detection limit is needed. A detection limit of 5 ppb was requested, but TSL was only capable of a detection limit of 50 ppb using 1 gram samples and hydride ICP equipment.

Analytical results were made open file to the public on a monthly basis as they were received. This includes the duplicate and standard sample analyses.

Duplicate and Standard Samples

During the course of analytical work, 5 samples that had been previously analyzed, and 2 samples of USGS standard STC-1 (troctolite cumulate) were submitted to TSL for analysis. The results are shown in Tables 255-1-4A and 255-1-4B. The previous analysis of the 5 samples was done by X-Ray Laboratory of Don Mills, Ontario.

The precious metal values, while not necessarily in good agreement, are not worrisome either. The values are in broad agreement and both labs have evidently not missed the low to medium amounts of mineralization that the samples appear to possess. Results vary with the elements or oxide (e.g. fluorine) analyses by TSL are consistently higher than the analyses by X-Ray lab.

Project 255-1
Analysis of Duplicate and Standard Samples

SAMPLE	TYPE	Pt	Pd	Au	Ag	S	Cl	F	Cu	Ni	Cr	Co	Zn	TiO_2	V	Rb	Cs	Sr	Zr
		ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
18582	X-RAY	130	640	76	5	.76	900	260	5600	700	120	100	200	.91	93	26	2	254	54
18582	TSL	400	540	50	12	0.96	844	740	7100	1400	130	98	110	0.73	84	580	18	246	67
18585	X-RAY	90	430	52	5	.67	800	170	6300	430	140	90	200	1.11	140	27	2	243	72
18585	TSL	40	340	35	3	0.80	739	410	6200	1500	170	110	130	0.95	120	440	18	241	64
18592	X-RAY	70	330	22	5	.79	50	120	4100	530	170	100	200	.95	140	16	2	235	55
18592	TSL	100	330	22	<5	0.82	496	300	4500	1400	190	130	130	0.84	120	680	24	233	70
18594	X-RAY	30	140	11	5	.80	100	400	2600	290	220	70	300	2.71	320	29	2	225	146
18594	TSL	30	200	15	<1	0.94	245	960	3500	540	250	98	170	2.39	260	340	16	227	145
19412	X-RAY	440	800	180	5	1.28	180	130	9821	2490	100	130	200	.73	52	6	1	235	71
19412	TSL	250	780	110	8	1.57	460	420	16000	2000	110	140	140	0.81	72	480	18	287	67
20134	STC-1*	5959	14698	315	<0.2	0.028	40	230	290	1119	4488	70	68	0.12	82	30	44	89	< 10
20135	STC-1*	7004	20026	432	<0.2	0.404	80	100	240	1128	4600	101	67	0.76	176	40	32	79	24
**	**STC-1**	**7800**	**12800**			**0.080**			**340**	**1200**	**1200**	**81**		**0.12**	**68**			**84**	

** = USGS STANDARD SAMPLE REFERENCE VALUES

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

X-RAY = X-RAY LABORATORY OF DON MILLS, ONTARIO
TSL = TECHNICAL SERVICES LABORATORY OF MISSISSAUGA, ONTARIO
STC-1 = USGS STANDARD SAMPLE, TROCTOLITE CUMULATE (* ANALYZED BY TSL)

TABLE 255-1-4a

Project 255-1
Analysis of Duplicate and Standard Samples

SAMPLE	TYPE	Bi	As	Sb	Se	Te	Ba	SiO_2	Al_2O_3	Fe_2O_3	CaO	MgO	Na_2O	K_2O	MnO	P_2O_5	Sc	Y
		ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	ppm	ppm
18582	X-RAY	2	1	.20	10	10	148	45.30	19.40	12.10	9.01	9.63	2.00	.53	.15	.12	9.80	8
18582	TSL	<3	2	<1	8	3	179	45.06	18.73	11.72	8.64	8.61	2.29	0.29	0.13	0.30	10	12
18585	X-RAY	2	3	.20	10	10	153	47.30	17.60	12.90	8.58	8.86	2.12	.57	.15	.13	14.50	14
18585	TSL	<3	1	<1	3	2	183	47.02	17.22	13.07	8.56	8.60	2.29	0.35	0.15	0.32	15	16
18592	X-RAY	2	5	.20	10	10	116	45.40	18.40	15.40	8.42	8.87	2.30	.40	.16	.12	10.40	12
18592	TSL	<3	<1	<1	4	<1	128	45.51	17.52	16.14	8.25	8.85	2.53	0.16	0.16	0.28	13	14
18594	X-RAY	2	4	.30	10	10	291	47.30	16.40	15.80	8.02	6.56	2.45	0.87	0.18	.27	25.40	32
18594	TSL	<3	<1	<1	4	1	304	46.80	16.09	15.60	7.99	6.26	2.68	0.77	0.17	0.37	30	30
19412	X-RAY	2	2	.20	10	10	50	44.70	19.70	12.50	9.01	7.78	2.47	.40	.12	.32	8.90	5
19412	TSL	<3	2	<1	8	<1	133	43.74	18.82	13.51	8.71	7.58	2.47	0.49	0.13	0.59	7	10
20134	STC-1*	<1	1	1	2	1	24	45.36	16.07	9.24	9.74	14.67	0.92	< 0.1	0.13	0.09		4
20135	STC-1*	<1	1	<1	1	<1	22	42.77	14.95	10.23	9.29	15.95	0.84	1.44	0.14	0.10		<1
**	**STC-1**						**21**	**44.55**	**15.82**	**9.36**	**9.82**	**14.71**	**0.88**	**0.10**	**0.13**	**0.05**	**16.06**	

** = USGS STANDARD SAMPLE REFERENCE VALUES

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

X-RAY = X-RAY LABORATORY OF DON MILLS, ONTARIO
TSL = TECHNICAL SERVICES LABORATORY OF MISSISSAUGA, ONTARIO
STC-1 = USGS STANDARD SAMPLE, TROCTOLITE CUMULATE (* ANALYZED BY TSL)

TABLE 255-1-4b

DESCRIPTION AND DISCUSSION OF RESULTS

Basal Contact Zone of the Duluth Complex

A summary of the anomalous precious metal values (Pt + Pd + Au) in the drill holes is shown in Table 255-1-5. This table places the anomalous values into groups, and indicates the total footages containing those values. Drill holes with anomalous values are also shown on Plate 1.

Also "Logger" (Rockware, Inc.) profiles of anomalous drill holes are included in the map pocket at the end of the reports.

Tables 255-1-6 and 255-1-7 list the mafic and granitic analytical results for the 17 drill holes from the contact zone of the Duluth Complex. (All mafic and all granitoid analytical results are also contained in Appendices C and D.) Figures 255-1-1 and 255-1-2 are similarly the mafic and granitoid sample number vs. sample value number plots which correspond to these tables.

Note: These figures use the same number value scales as Figures 255-1-3 and 255-1-4, so that the inner and contact portions can be directly compared between figures.

Drill holes in Table 255-1-6 that have anomalous precious metal values are MV2-1W, DU-7, NM-3, DU-13, D-6A, BA-4, W-12, BA-3, B-3, W-5, A-2, A-4, A-1, 3, CN-1, and CN-7. Elements that exhibit "bumps" which may be spatially related to Pt, Pd, and Au include (specific ones depend on drill hole) Ag, Cu, Ni, Co, Zn, Cr, Cl, Ba, Sr, Te, As, Al_2O_3, Na_2O, and K_2O. The anomalous CN-1 sample appears to be related to a drastic decrease (moving downhole) in V, TiO_2, Zn and Cl.

For the granitoid analyses of the basal part of the complex, the only precious metal with assay values above the detection limit was palladium. Trends are very hard to discern (see Figure 255-1-2).

Inner Zone of the Duluth Complex

Tables 255-1-8 and 255-1-9 list the mafic and granitoid analyses respectively for the 17 drill holes in the inner zone of the Duluth Complex. Figures 255-1-3 and 255-1-4 are similarly the mafic and granitoid sample number vs. sample value plots which correspond to these tables.

Note: These figures use the same number value scale as Figures 255-1-1 and 255-1-2 so that the contact and inner portions can be directly compared (Figure 255-1-1 to Figure 255-1-3, and Figure 255-1-2 to Figure 4).

Drill hole numbers: NR-1, G-4, G-3, and G-6 have some elevated Pt + Pd + Au values; however, compared with the contact zone of the Duluth Complex, the values are rather small. Other elevated values are Cr in DDH NE-2; F in DDH's G-6 and SE-1; TiO_2 in DDH's SR-1 and S-1; V in DDH's SR-1 and NR-1; Rb in DDH's G-3 and G-6; Cs in DDH BL-1; and Zr in DDH's G-5, G-4, G-3, and G-6.

It appears that the DDH's G-3 and G-6 have relatively more elevated values than the remaining holes in the inner portion of the Duluth Complex.

DDH's G-3 and G-6 are located in gabbro and ferrogabbro (mostly olivine-bearing) according to DNR Project 203-A, "Duluth Complex Geology, a DNR Internal Compilation".

PROJECT 255-1
ANOMALOUS (Pt + Pd + Au) FOR SPECIFIED DRILL HOLES

DRILL HOLE	50-250 ppb	250-500 ppb	500-750 ppb	750-1000 ppb	1000-1250 ppb	FOOTAGE SAMPLED	TOTAL OF ANOMALOUS SAMPLES
MV2-1W	34' (100%)					34'	100%
DU-7	101.8' (36%)		19' (7%)			286.7'	43%
NM-3	20' (8%)			9' (3%)	8' (3%)	266.6'	14%
DU-13	35' (36%)	5.9' (6%)			7' (7%)	98.1'	49%
D-6A	64.8' (37%)	29.3' (17%)	5.4' (3%)			176.6'	57%
BA-4	90.2' (26%)	29.4' (9%)	18' (5%)			340.9'	40%
W-12	68.3' (44%)				10' (7%)	156.8'	51%
BA-3	63.9' (25%)					255'	25%
B-3	74.6' (42%)		1.5' (1%)			177.2'	43%
W-5	50.8' (63%)					80.6'	63%
A-2	134' (55%)	27' (11%)				244.1'	66%
A-4	270' (73%)	60' (16%)	10' (3%)	10' (3%)		370'	95%
A-1	7' (22%)	2.1' (7%)				32.1'	29%
3	40' (50%)					80'	50%
CN-1	220' (59%)	10' (3%)	10' (3%)			310'	65%
CN-7	160' (35%)	30' (7%)				460'	42%

NOTE:

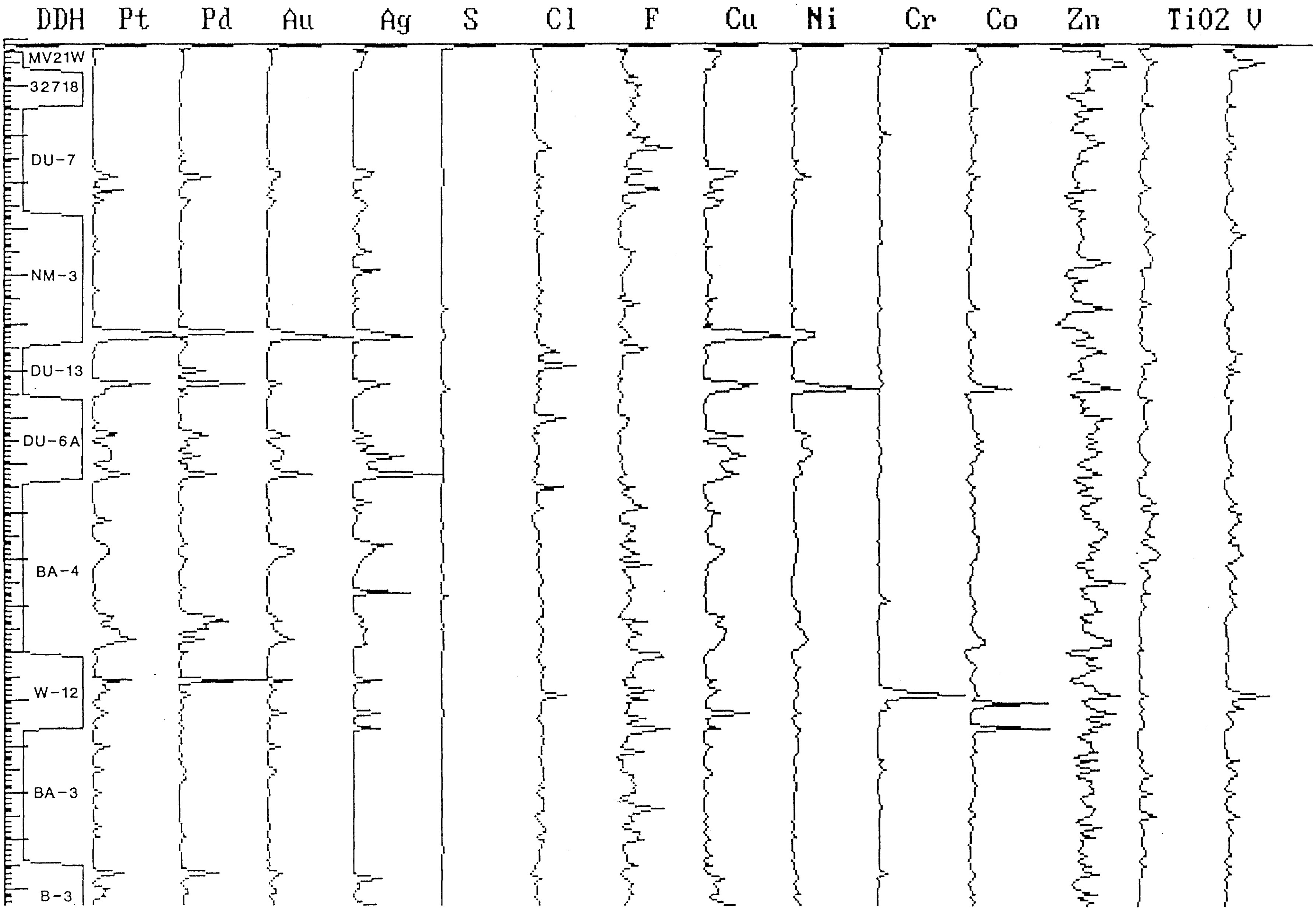
FOOTAGES = NUMBER OF FEET WITH ASSAY VALUES WITHIN GIVEN RANGE (ppb)
PERCENT = NUMBER OF ANOMALOUS FEET / NUMBER OF FEET SAMPLED PER GIVEN DDH

TABLE 255-1-5

From Figure 255-1-3, the elements that may have "bumps" which may be spatially related to precious metal "bumps" are: Cl, Zn, TiO2, V, Zn, F, Cu, Ni, Sc, MgO, K2O, Zr, MnO, Se, and Te. From Figure 255-1-4, the small number of samples of granitoid rocks make it difficult to make any kind of generalizations.

DDH NE-2, with a relatively high Cr content, is located to the northeast of the "Snake" anomaly. The olivine in this drill core at 302' was characterized as being relatively primitive for the Duluth Complex (Green, 1986).

FIGURE 255-1-1A



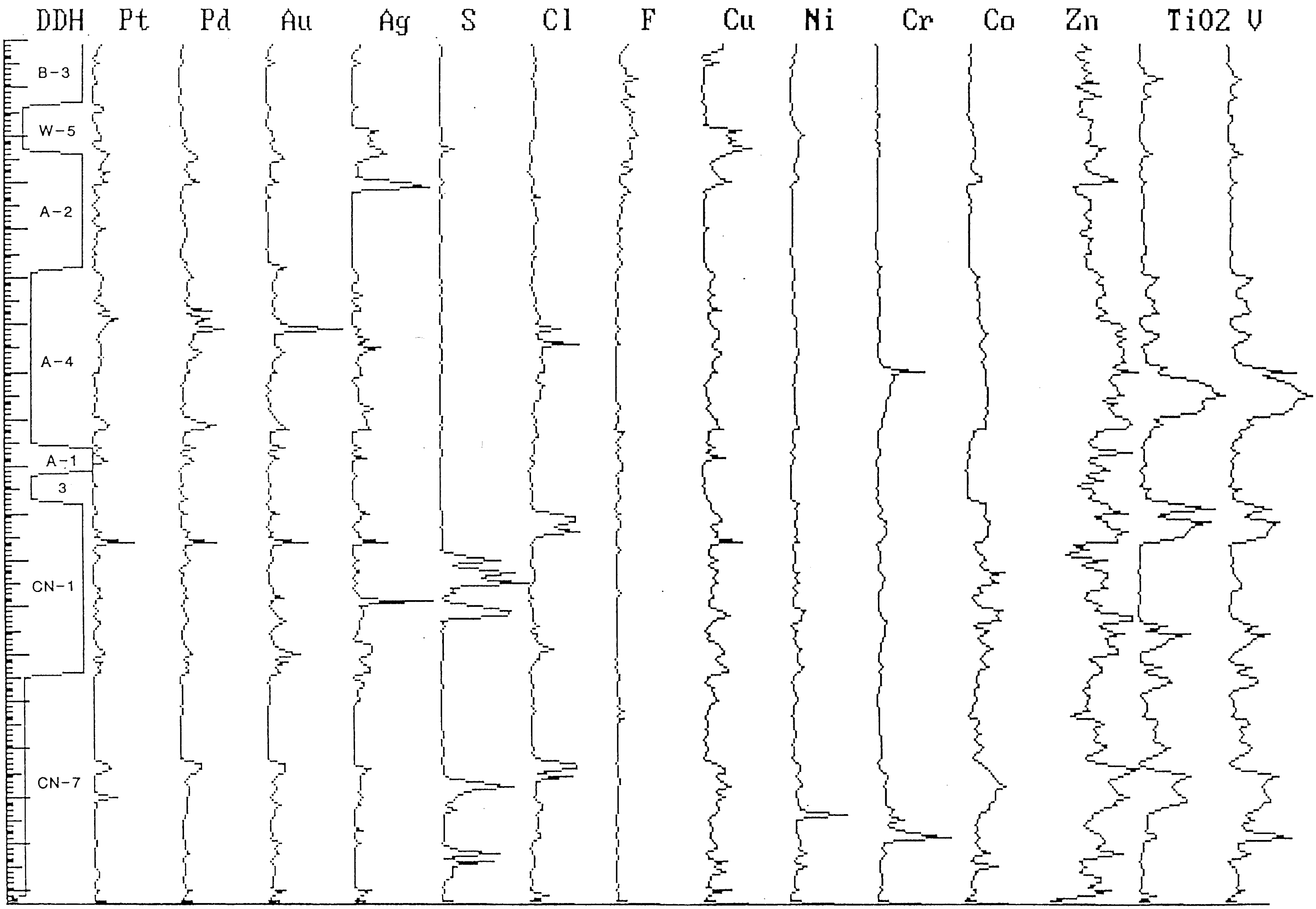
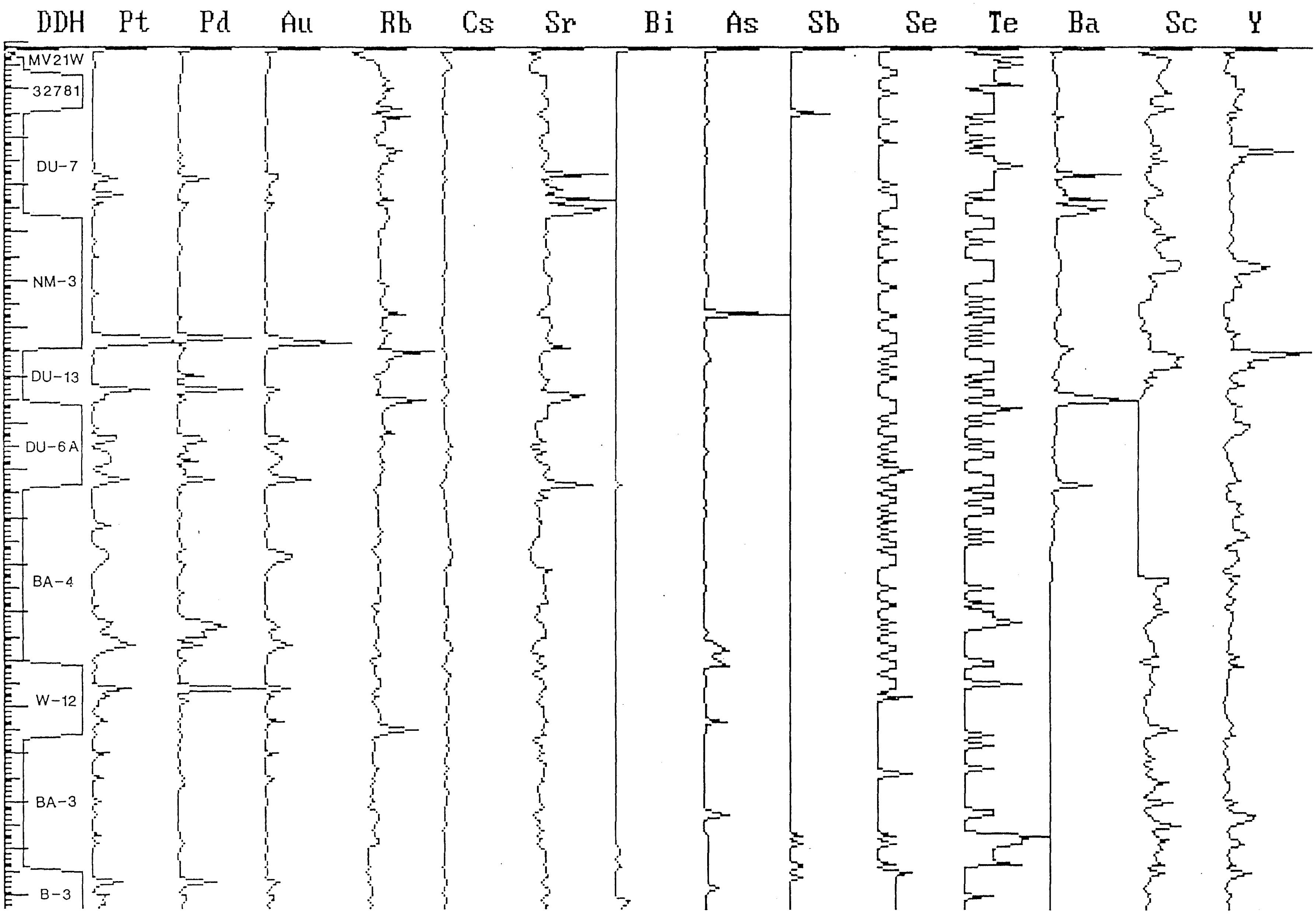


FIGURE 255-1-1A: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pt, Pd, Au, Ag, S, Cl, F, Cu, Ni, Cr, Co, Zn, TiO2 and V). Sample #'s are broken up by drill hole in the left hand column.

FIGURE 255-1-1B



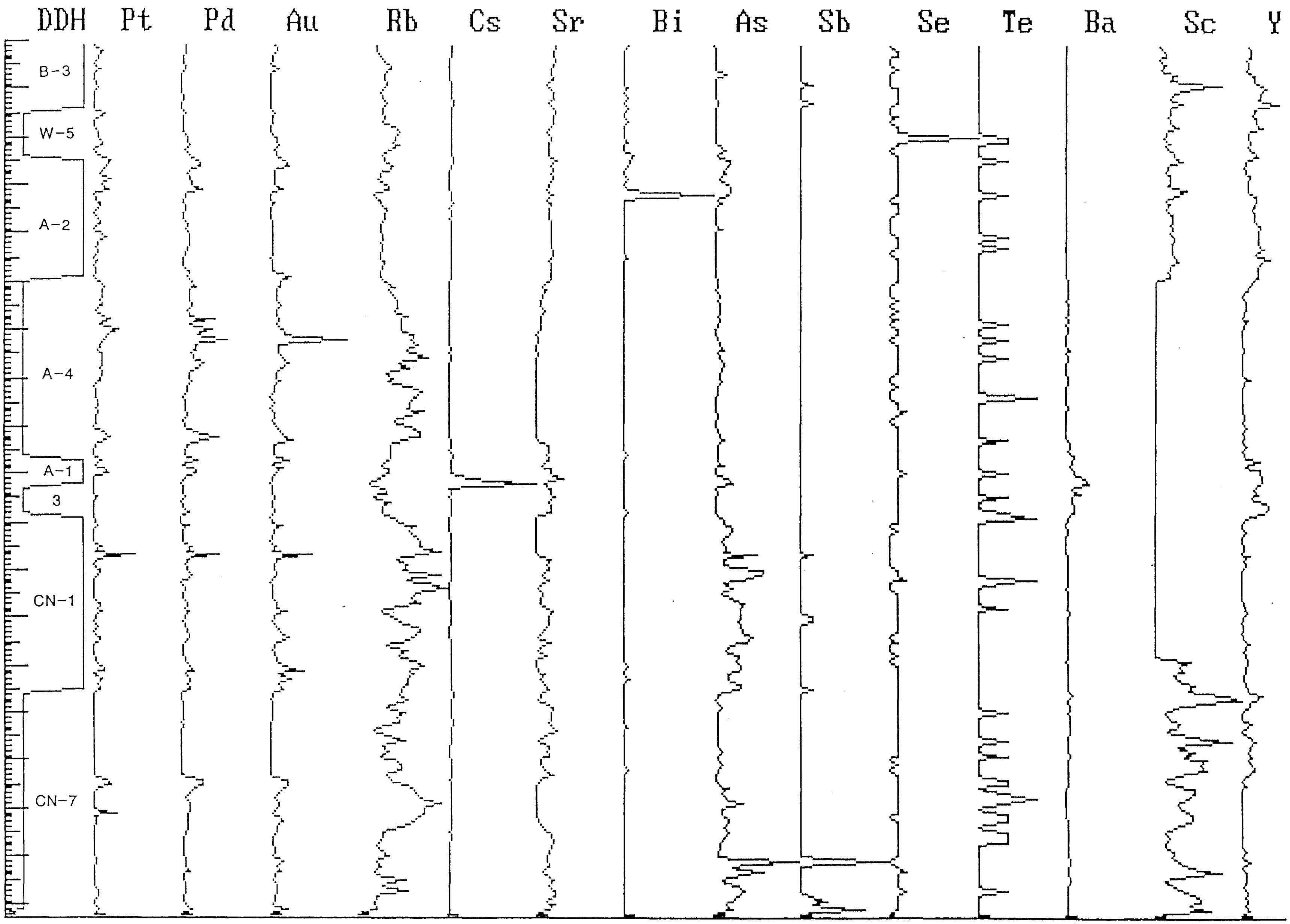
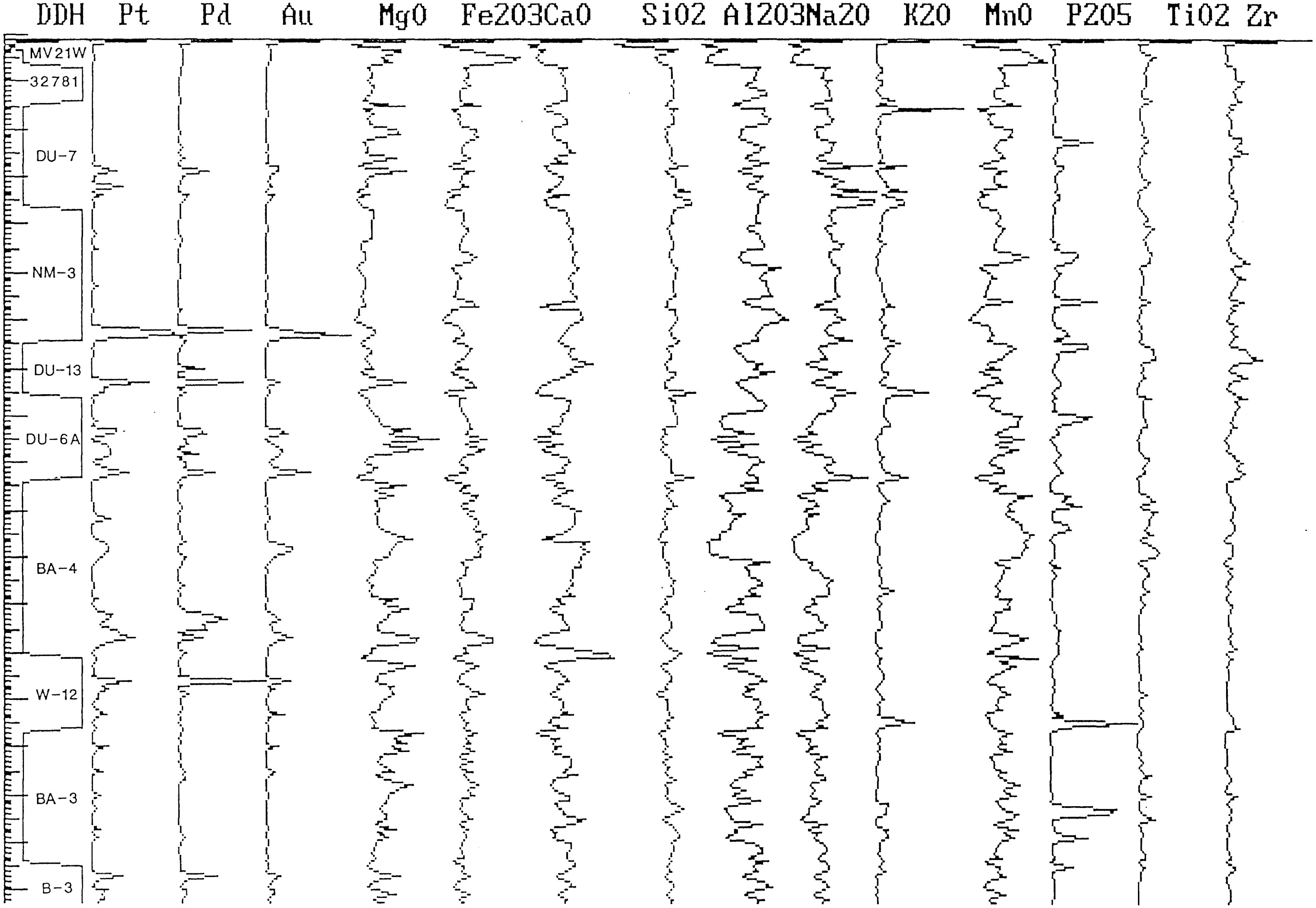


FIGURE 255-1-1B: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pt, Pd, Au, Rb, Cs Sr, Bi, As, Sb, Se, Te, Ba, Sc and Y). Sample #'s are broken up by drill hole in the left hand column.

FIGURE 255-1-1C



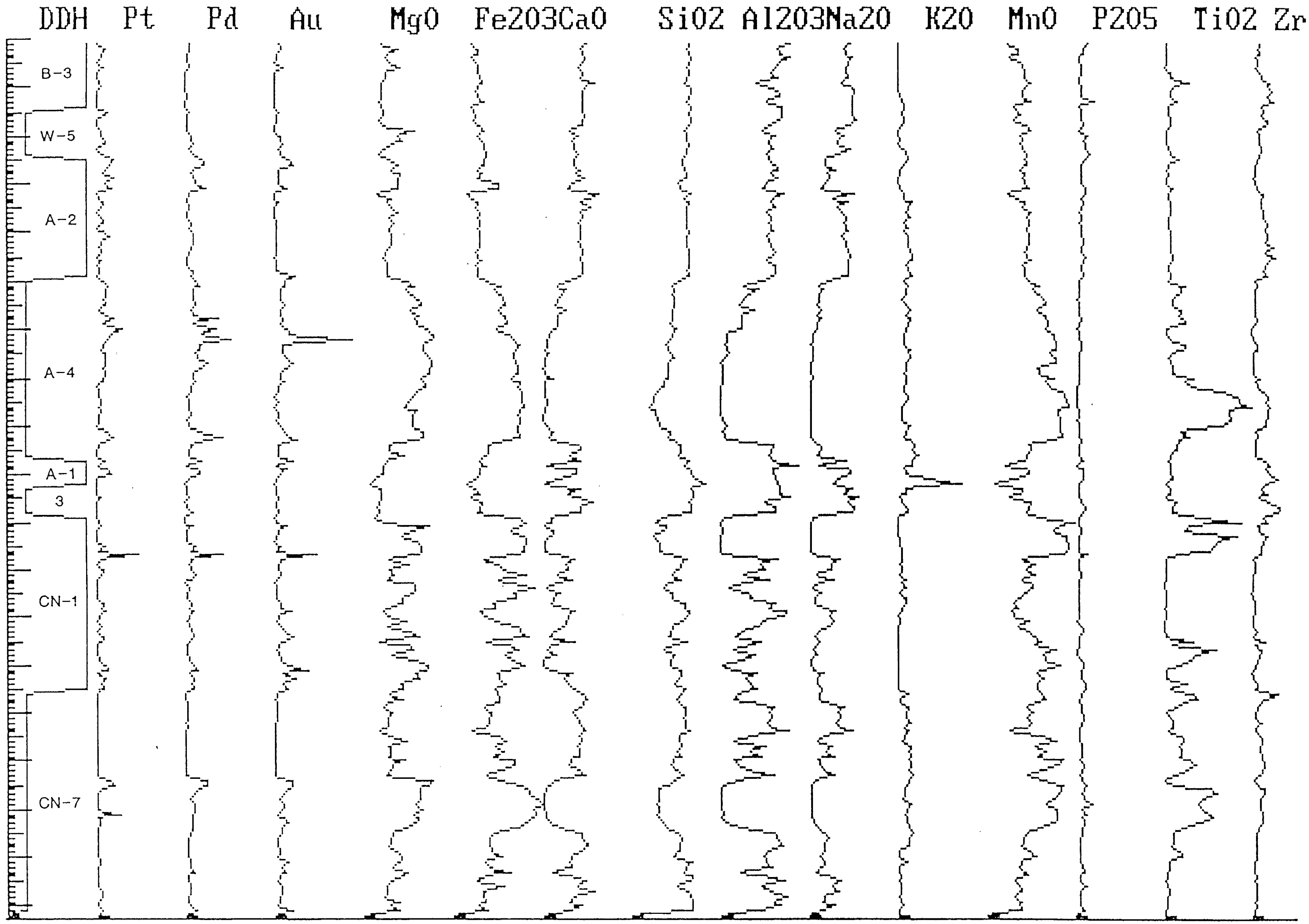


FIGURE 255-1-1C: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pt, Pd, Au, MgO, Fe2O3, CaO, SiO2, Al2O3, Na2O, K2O, MnO, P2O5, TiO2 and Zr). Sample #'s are broken up by drill hole in the left hand column.

FIGURE 255-1-2A

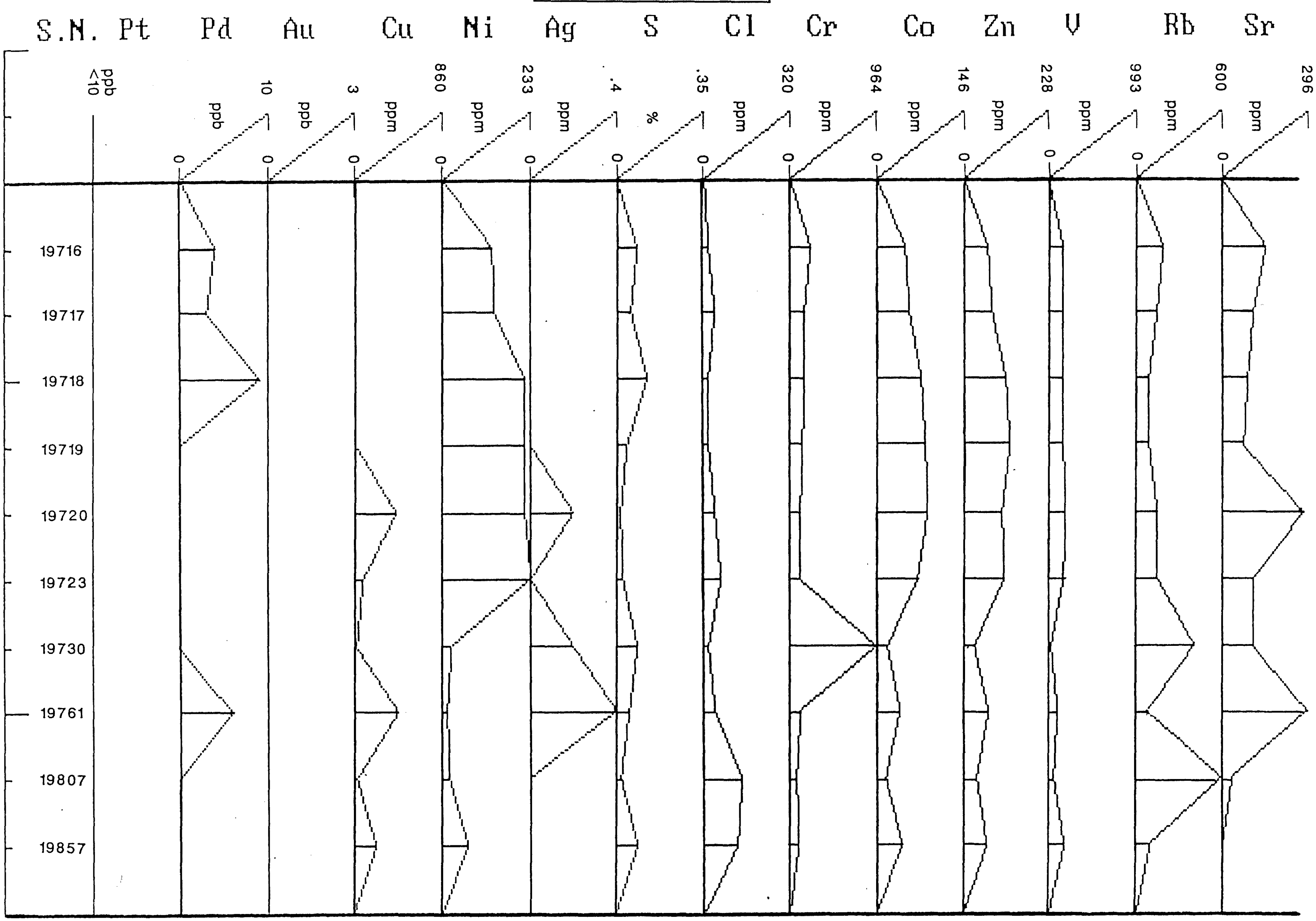


FIGURE 255-1-2A: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pt, Pd, Au, Cu, Ni, Ag, S, Cl, Cr, Co, Zn, V, Rb, and Sr). Sample #'s are indicated in the left hand column.

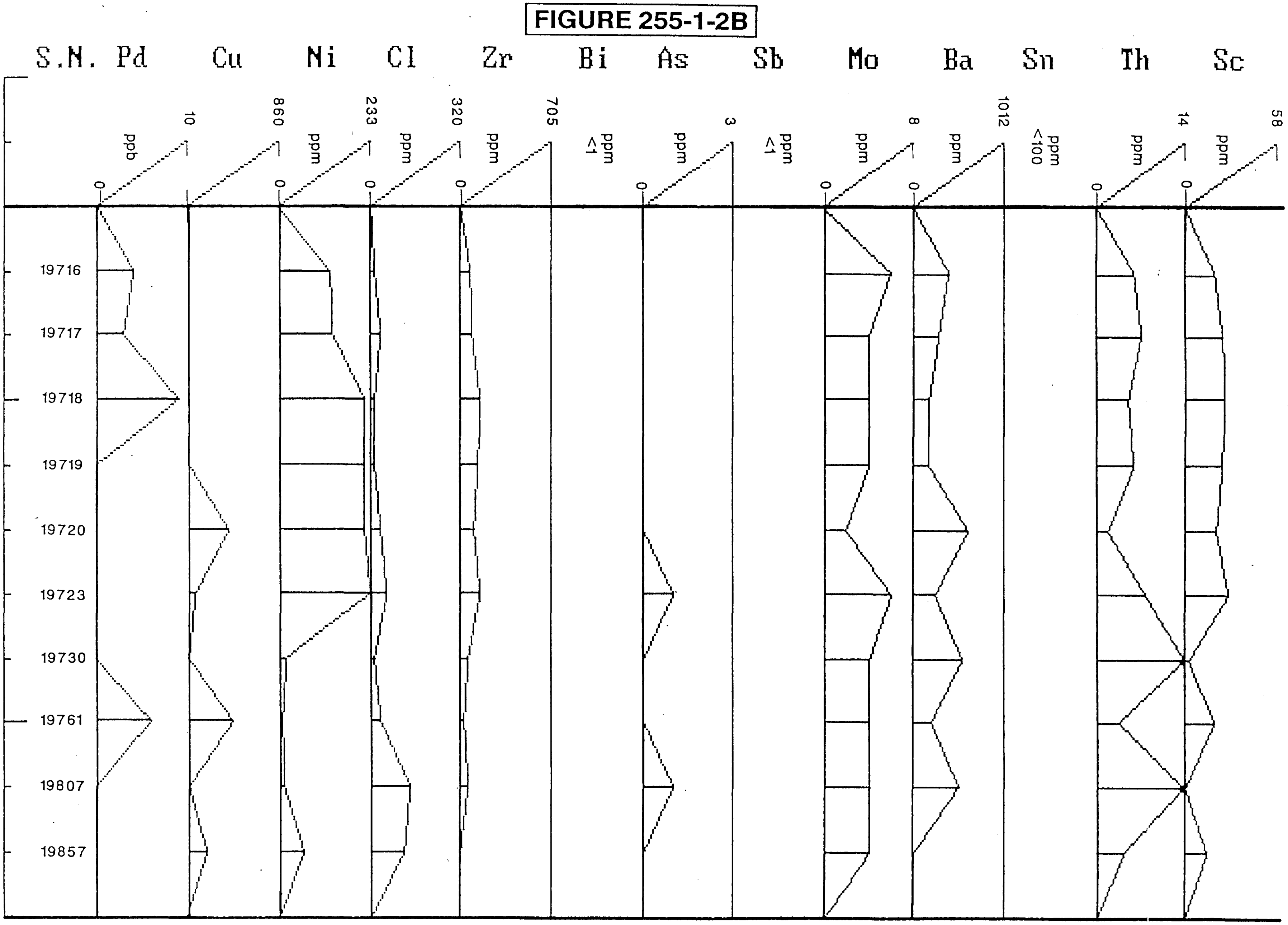


FIGURE 255-1-2B: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pd, Cu, Ni, Cl, Zr, Bi, As, Sb, Mo, Ba, Sn, Th and Sc). Sample #'s are indicated in the left hand column.

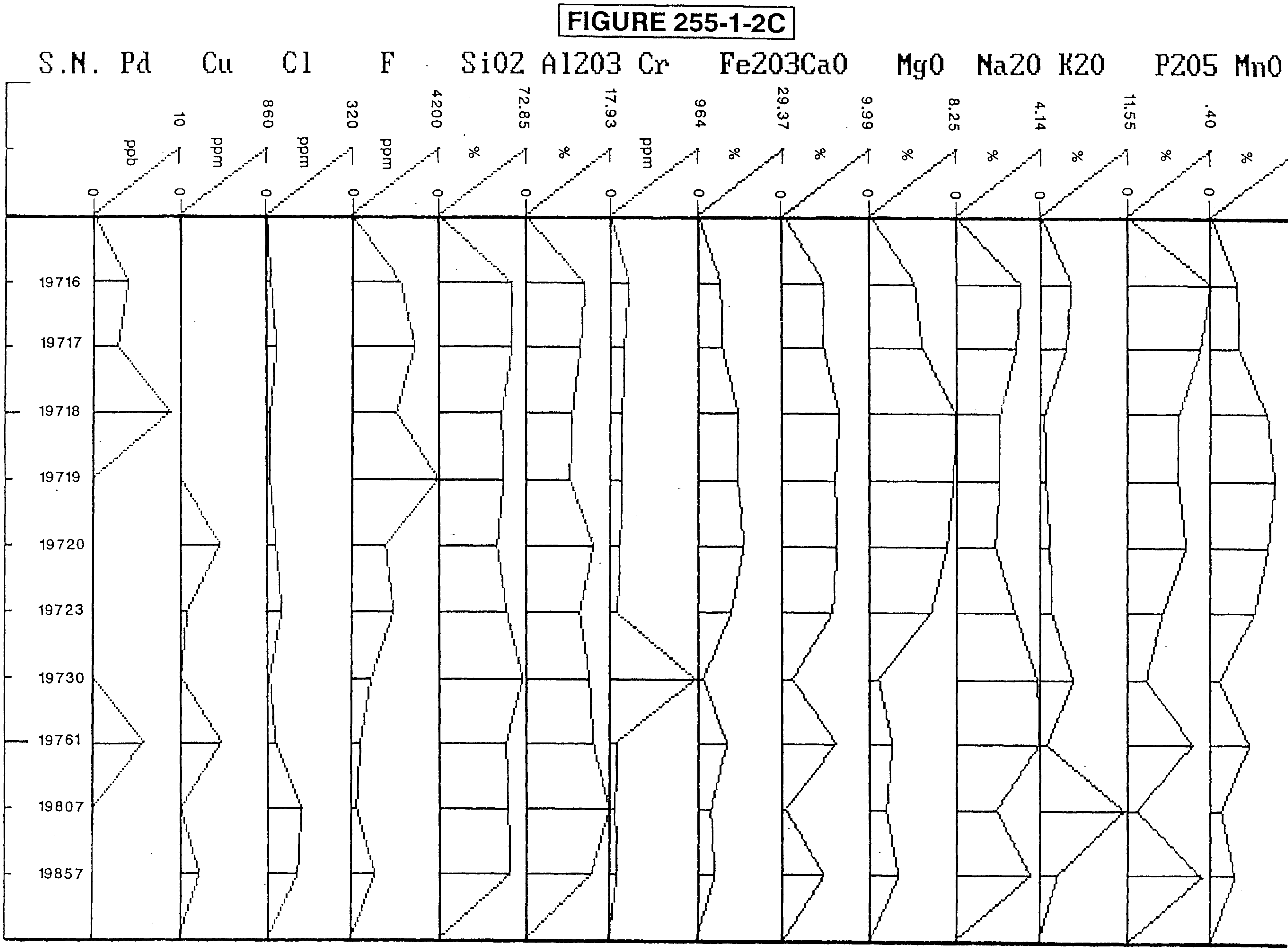


FIGURE 255-1-2C: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Contact Portion of the Duluth Complex (Pd, Cu, Cl, F, SiO2, Al2O3, Cr, Fe2O3, CaO, MgO, Na2O, K2O, P2O5, and MnO). Sample #'s are broken up by drill hole in the left hand column.

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19711	MV2-1W	<10	46	18	0.478	1900	612	444	20	900	16.36	18.17	51.42	1.0	120	157	<1	<1	<1	<1	2	27	14	17
19712	MV2-1W	<10	40	13	0.473	1700	631	390	20	540	16.75	22.65	48.02	0.8	138	149	<1	1	<1	<1	1	31	5	16
19713	MV2-1W	17	33	13	0.410	1100	657	167	40	300	10.16	45.23	32.31	0.6	192	235	<1	<1	<1	<1	2	27	3	28
19714	MV2-1W	<10	46	12	0.534	1300	622	120	80	450	13.70	40.55	37.68	0.6	154	247	<1	<1	<1	1	1	26	<1	11
19715	32718	<10	7	3	0.040	138	163	149	40	900	5.41	13.61	46.78	<0.2	70	110	<1	1	<1	1	1	19	17	109
19721	32718	<10	8	4	0.129	175	186	115	60	1700	6.61	15.61	47.18	<0.2	84	126	<1	<1	<1	<1	1	17	18	99
19722	32718	<10	<2	<1	0.073	190	181	138	40	700	6.80	16.06	46.52	<0.2	85	118	<1	1	<1	<1	2	22	16	92
19724	32718	<10	<2	<1	0.090	155	152	128	40	2000	5.31	13.97	48.84	<0.2	71	110	<1	<1	<1	<1	<1	23	28	174
19725	32718	<10	<2	<1	0.023	162	295	79	60	1500	7.60	16.78	45.95	<0.2	93	138	<1	<1	<1	1	1	30	26	145
19726	32718	<10	5	<1	0.405	81	299	67	40	1900	6.69	11.62	47.42	<0.2	69	55	<1	<1	<1	<1	1	11	18	82
19727	32718	<10	6	<1	0.052	89	265	120	40	1100	6.08	11.85	47.51	<0.2	75	99	<1	<1	<1	<1	1	12	15	103
19728	32718	<10	7	<1	0.326	230	110	165	60	1500	4.06	11.97	47.15	<0.2	70	96	<1	1	<1	<1	1	32	27	147
19729	DU-7	<10	<2	<1	0.045	115	546	114	60	1200	18.12	23.35	41.30	<0.2	149	162	<1	<1	3	<1	1	15	6	43
19731	DU-7	<10	<2	<1	0.056	43	122	85	40	800	4.15	6.80	52.03	<0.2	44	78	<1	<1	<1	<1	<1	9	18	78
19732	DU-7	<10	<2	9	0.034	87	330	162	40	1100	7.65	11.78	46.09	<0.2	80	120	<1	3	<1	1	1	6	6	31
19733	DU-7	<10	<2	<1	0.028	86	200	91	40	1800	5.25	10.24	48.65	<0.2	61	88	<1	<1	<1	<1	<1	9	11	61
19734	DU-7	<10	<2	<1	0.034	102	245	232	20	1500	6.10	11.26	47.81	<0.2	70	62	<1	<1	<1	<1	<1	12	9	59
19735	DU-7	<10	3	<1	0.056	90	449	1723	60	900	14.91	21.27	42.02	<0.2	139	140	<1	<1	<1	<1	1	13	10	50
19736	DU-7	<10	8	<1	0.039	73	437	331	60	2700	16.34	19.74	43.14	<0.2	126	120	<1	<1	<1	1	<1	11	9	50
19738	DU-7	<10	<2	<1	0.028	110	371	528	140	2000	10.31	22.02	41.32	<0.2	126	170	<1	<1	<1	<1	1	19	26	148
19739	DU-7	<10	<2	3	0.135	300	154	75	200	4600	4.22	15.62	43.23	<0.2	76	135	<1	1	<1	<1	<1	21	104	157
19740	DU-7	<10	38	6	0.084	310	253	169	60	1100	5.63	12.13	47.18	<0.2	71	91	<1	<1	<1	<1	1	12	24	105
19741	DU-7	<10	<2	<1	0.078	120	144	132	60	1200	4.82	12.92	46.01	<0.2	67	87	<1	1	<1	<1	1	27	31	204
19742	DU-7	19	57	9	0.174	600	766	159	40	920	15.08	17.35	44.62	<0.2	126	119	<1	<1	<1	<1	2	10	10	43
19743	DU-7	<10	<2	5	0.129	270	284	180	40	740	6.18	11.30	48.56	<0.2	71	81	<1	<1	<1	<1	1	11	14	63
19744	DU-7	38	<2	48	0.635	3900	923	90	40	2900	2.23	5.76	60.69	1.6	41	75	<1	<1	<1	<1	1	6	8	80
19745	DU-7	137	316	50	0.939	3400	2162	288	120	800	18.72	19.34	42.16	1.2	163	74	<1	<1	<1	<1	1	8	5	43
19746	DU-7	19	37	13	0.736	680	343	214	60	680	6.00	12.42	47.37	<0.2	78	93	<1	<1	<1	1	1	14	8	49
19747	DU-7	<10	23	7	0.264	840	278	223	100	3400	4.41	11.50	49.40	<0.2	73	76	<1	<1	<1	<1	1	22	8	52
19748	DU-7	168	<2	25	0.590	2100	592	184	40	3600	5.39	15.84	49.60	0.6	91	142	<1	<1	<1	1	<1	24	14	66
19749	DU-7	<10	5	<1	0.050	31	44	125	80	500	1.97	4.08	62.06	<0.2	28	45	<1	<1	<1	1	1	6	9	91
19750	DU-7	60	97	30	0.388	2100	651	245	60	450	6.27	11.33	47.84	0.8	84	97	<1	<1	<1	1	<1	10	9	47
19751	DU-7	<10	58	15	0.213	1750	352	148	60	1500	1.89	4.52	61.59	1.0	31	59	<1	<1	<1	1	<1	6	8	125
19752	DU-7	19	8	<1	0.020	140	95	153	120	700	3.20	3.70	62.48	0.8	18	104	<1	1	<1	<1	<1	6	13	121
19753	NM-3	<10	8	<1	0.080	130	215	222	80	370	7.38	12.43	47.42	0.2	73	91	<1	1	<1	<1	1	14	14	106
19754	NM-3	<10	8	3	0.056	360	194	311	40	110	7.15	14.03	46.29	0.4	83	111	<1	<1	<1	<1	1	20	11	74
19755	NM-3	<10	<2	<1	0.095	300	190	440	60	330	6.53	14.28	46.35	0.2	82	84	<1	1	<1	1	1	21	12	81
19756	NM-3	<10	<2	<1	0.045	165	176	229	40	220	6.67	13.17	47.62	<0.2	80	101	<1	1	<1	<1	<1	14	7	55
19758	NM-3	<10	<2	6	0.146	410	157	274	120	270	6.39	16.57	43.99	0.4	99	97	<1	<1	<1	<1	<1	34	13	78
19759	NM-3	32	<2	<1	0.129	340	135	158	60	170	6.35	14.45	45.64	0.4	83	107	<1	<1	<1	1	1	22	11	66

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-6a

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19711	MV2-1W	<10	46	18	0.478	1900	612	444	20	900	16.36	18.17	51.42	207	0.54	7.99	3.88	1.31	<0.1	0.27	0.23	28	80	185	106
19712	MV2-1W	<10	40	13	0.473	1700	631	390	20	540	16.75	22.65	48.02	308	2.01	6.12	3.19	0.90	<0.1	0.30	0.22	50	88	128	79
19713	MV2-1W	17	33	13	0.410	1100	657	167	40	300	10.16	45.23	32.31	1298	6.36	2.06	1.84	0.16	<0.1	0.34	0.16	64	160	21	27
19714	MV2-1W	<10	46	12	0.534	1300	622	120	80	450	13.70	40.55	37.68	683	3.55	1.53	2.93	0.14	<0.1	0.39	0.18	62	135	14	22
19715	32718	<10	7	3	0.040	138	163	149	40	900	5.41	13.61	46.78	202	2.65	18.24	8.64	2.83	0.43	0.16	0.23	68	46	296	201
19721	32718	<10	8	4	0.129	175	186	115	60	1700	6.61	15.61	47.18	184	2.11	17.01	7.66	2.37	0.49	0.19	0.25	88	55	291	218
19722	32718	<10	<2	<1	0.073	190	181	138	40	700	6.80	16.06	46.52	205	2.52	16.50	8.21	2.27	<0.1	0.19	0.20	74	56	282	192
19724	32718	<10	<2	<1	0.090	155	152	128	40	2000	5.31	13.97	48.84	203	2.71	16.78	8.35	2.96	0.51	0.18	0.39	98	48	279	278
19725	32718	<10	<2	<1	0.023	162	295	79	60	1500	7.60	16.78	45.95	234	3.01	13.81	8.01	2.54	0.50	0.21	0.33	73	59	224	220
19726	32718	<10	5	<1	0.405	81	299	67	40	1900	6.69	11.62	47.42	102	1.50	19.72	8.64	2.76	<0.1	0.14	0.23	80	44	311	180
19727	32718	<10	6	<1	0.052	89	265	120	40	1100	6.08	11.85	47.51	121	1.75	20.25	9.08	2.80	0.28	0.14	0.26	60	47	332	164
19728	32718	<10	7	<1	0.326	230	110	165	60	1500	4.06	11.97	47.15	341	4.65	15.08	8.88	2.95	1.39	0.19	0.36	120	44	277	209
19729	DU-7	<10	<2	<1	0.045	115	546	114	60	1200	18.12	23.35	41.30	100	1.38	9.86	4.82	1.46	<0.1	0.27	0.14	50	92	160	86
19731	DU-7	<10	<2	<1	0.056	43	122	85	40	800	4.15	6.80	52.03	70	1.12	19.49	4.01	2.62	6.82	0.07	0.19	140	37	208	378
19732	DU-7	<10	<2	9	0.034	87	330	162	40	1100	7.65	11.78	46.09	58	0.65	19.00	7.42	2.67	0.48	0.14	0.13	74	43	313	139
19733	DU-7	<10	<2	<1	0.028	86	200	91	40	1800	5.25	10.24	48.65	73	1.07	21.75	9.08	3.13	0.24	0.12	0.22	80	37	338	167
19734	DU-7	<10	<2	<1	0.034	102	245	232	20	1500	6.10	11.26	47.81	98	1.30	20.40	9.02	2.84	0.26	0.13	0.16	74	42	313	149
19735	DU-7	<10	3	<1	0.056	90	449	1723	60	900	14.91	21.27	42.02	316	1.91	12.27	5.68	1.78	<0.1	0.23	0.16	56	81	196	112
19736	DU-7	<10	8	<1	0.039	73	437	331	60	2700	16.34	19.74	43.14	114	1.17	12.66	5.57	1.92	<0.1	0.22	0.15	59	84	205	117
19738	DU-7	<10	<2	<1	0.028	110	371	528	140	2000	10.31	22.02	41.32	286	2.73	11.53	6.20	1.87	0.38	0.23	0.43	75	87	192	150
19739	DU-7	<10	<2	3	0.135	300	154	75	200	4600	4.22	15.62	43.23	334	3.74	15.67	8.96	3.26	0.15	0.16	1.90	120	56	273	217
19740	DU-7	<10	38	6	0.084	310	253	169	60	1100	5.63	12.13	47.18	131	1.62	19.88	8.95	2.96	0.23	0.14	0.39	82	44	325	188
19741	DU-7	<10	<2	<1	0.078	120	144	132	60	1200	4.82	12.92	46.01	246	3.02	17.39	10.61	2.82	0.35	0.17	0.36	100	51	278	240
19742	DU-7	19	57	9	0.174	600	766	159	40	920	15.08	17.35	44.62	67	0.92	13.80	5.94	2.00	0.43	0.19	0.21	70	75	214	129
19743	DU-7	<10	<2	5	0.129	270	284	180	40	740	6.18	11.30	48.56	98	1.14	20.56	8.71	3.11	0.23	0.13	0.23	62	41	334	178
19744	DU-7	38	<2	48	0.635	3900	923	90	40	2900	2.23	5.76	60.69	69	0.35	17.96	4.02	5.77	2.40	0.08	0.58	75	24	1313	2250
19745	DU-7	137	316	50	0.939	3400	2162	288	120	800	18.72	19.34	42.16	73	0.62	11.89	5.01	1.69	<0.1	0.20	0.50	61	85	217	144
19746	DU-7	19	37	13	0.736	680	343	214	60	680	6.00	12.42	47.37	170	1.61	18.61	8.06	2.99	0.32	0.14	0.23	68	44	324	176
19747	DU-7	<10	23	7	0.264	840	278	223	100	3400	4.41	11.50	49.40	317	4.01	17.31	7.39	3.74	0.74	0.14	0.23	63	42	559	485
19748	DU-7	168	<2	25	0.590	2100	592	184	40	3600	5.39	15.84	49.60	285	3.01	14.13	6.61	2.99	0.77	0.20	0.36	70	57	295	401
19749	DU-7	<10	5	<1	0.050	31	44	125	80	500	1.97	4.08	62.06	73	0.38	18.64	4.09	6.06	2.47	0.08	0.25	98	17	1456	1777
19750	DU-7	60	97	30	0.388	2100	651	245	60	450	6.27	11.33	47.84	102	1.06	20.75	9.10	2.91	0.41	0.12	0.40	60	44	359	181
19751	DU-7	<10	58	15	0.213	1750	352	148	60	1500	1.89	4.52	61.59	65	0.34	18.20	3.99	5.88	2.09	0.07	0.40	84	19	1277	1721
19752	DU-7	19	8	<1	0.020	140	95	153	120	700	3.20	3.70	62.48	58	0.35	17.65	4.46	5.84	2.20	0.08	0.20	84	18	1030	1195
19753	NM-3	<10	8	<1	0.080	130	215	222	80	370	7.38	12.43	47.42	184	1.72	17.38	8.45	2.96	0.75	0.15	0.23	90	66	295	177
19754	NM-3	<10	8	3	0.056	360	194	311	40	110	7.15	14.03	46.29	319	3.16	16.93	9.07	2.78	0.48	0.17	0.19	78	72	284	159
19755	NM-3	<10	<2	<1	0.095	300	190	440	60	330	6.53	14.28	46.35	399	3.34	16.94	9.19	2.88	0.43	0.16	0.17	80	80	289	166
19756	NM-3	<10	<2	<1	0.045	165	176	229	40	220	6.67	13.17	47.62	245	2.27	18.51	8.84	3.15	0.38	0.15	0.18	66	65	310	165
19758	NM-3	<10	<2	6	0.146	410	157	274	120	270	6.39	16.57	43.99	680	5.39	14.23	10.33	2.54	0.43	0.19	0.18	62	78	241	138
19759	NM-3	32	<2	<1	0.129	340	135	158	60	170	6.35	14.45	45.64	389	3.32	17.69	10.00	2.88	0.28	0.17	0.12	68	67	294	151

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-6b

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19760	NM-3	<10	29	<1	0.056	158	192	465	60	130	6.79	13.02	46.54	0.2	71	95	<1	1	<1	<1	<1	15	6	30
19763	NM-3	<10	8	<1	0.410	1000	44	92	60	460	2.90	11.70	48.31	0.4	57	94	<1	<1	<1	<1	<1	21	14	47
19765	NM-3	39	<2	<1	0.017	350	28	69	60	1600	3.18	11.19	48.57	1.4	54	87	<1	1	<1	<1	<1	22	15	70
19766	NM-3	<10	5	<1	0.180	330	3	25	80	960	4.61	16.35	45.04	<0.2	76	108	<1	<1	<1	1	1	38	32	95
19768	NM-3	<10	4	<1	0.056	320	9	21	80	1200	4.37	20.93	44.49	<0.2	72	189	<1	<1	<1	<1	1	40	68	147
19769	NM-3	<10	<2	<1	0.118	360	12	7	80	900	4.02	17.03	46.08	<0.2	65	132	<1	<1	<1	<1	1	36	55	233
19771	NM-3	<10	9	<1	0.157	350	57	67	80	660	2.10	6.48	50.97	2.0	34	59	<1	2	<1	<1	1	9	16	60
19772	NM-3	<10	7	3	0.241	1100	138	53	80	390	3.40	10.45	49.83	0.4	53	43	<1	2	<1	<1	1	15	24	106
19773	NM-3	<10	7	8	0.090	800	138	180	100	450	4.35	12.39	49.19	<0.2	62	116	<1	3	<1	1	<1	18	25	186
19774	NM-3	<10	5	<1	0.106	400	104	160	60	500	4.27	10.38	48.86	<0.2	59	72	<1	1	<1	1	<1	14	13	110
19775	NM-3	33	<2	4	0.095	490	149	205	120	420	4.51	10.00	48.79	0.2	58	83	<1	1	<1	<1	<1	11	15	93
19776	NM-3	<10	<2	<1	0.045	178	87	218	80	640	4.03	9.38	48.59	<0.2	51	66	<1	<1	<1	<1	1	11	13	63
19777	NM-3	<10	<2	9	0.190	1500	240	70	60	200	3.08	7.60	50.28	0.4	50	71	<1	<1	<1	<1	<1	<1	<1	49
19778	NM-3	<10	4	<1	0.096	310	15	9	100	1800	3.98	18.97	43.47	<0.2	78	125	<1	<1	<1	<1	1	<1	<1	170
19780	NM-3	<10	<2	<1	3.850	1000	531	470	40	700	4.62	21.95	41.16	0.4	160	201	<1	50	<1	1	<1	<1	<1	65
19782	NM-3	19	34	9	0.112	630	127	109	100	640	2.16	6.68	49.31	<0.2	35	49	<1	1	<1	1	1	5	7	96
19783	NM-3	<10	<2	3	0.068	270	153	112	80	500	2.78	5.27	50.01	<0.2	35	44	<1	<1	<1	<1	1	6	6	51
19787	NM-3	<10	<2	3	0.158	950	113	65	60	180	0.94	2.57	52.11	<0.2	22	19	<1	<1	<1	<1	<1	2	2	24
19788	NM-3	<10	<2	<1	0.073	105	144	138	60	450	4.69	9.92	47.57	<0.2	59	77	<1	1	<1	1	1	12	22	119
19790	NM-3	423	748	79	1.450	7000	2717	226	40	760	7.92	13.08	44.97	2.2	121	119	<1	<1	<1	1	<1	10	12	64
19791	NM-3	473	<2	318	2.250	10000	2709	259	60	1150	7.30	14.13	45.92	4.6	127	141	<1	<1	<1	1	1	11	14	115
19792	NM-3	40	80	17	0.230	1400	474	209	80	320	4.56	7.88	53.86	<0.2	57	73	<1	<1	<1	<1	<1	10	10	73
19793	DU-13	19	58	10	0.196	157	42	58	180	2500	2.89	13.48	50.87	<0.2	50	143	<1	1	<1	1	<1	26	131	53
19794	DU-13	<10	9	<1	0.106	170	96	109	280	1800	5.74	18.82	43.35	<0.2	87	180	<1	3	<1	1	<1	43	88	183
19795	DU-13	20	<2	<1	0.163	460	176	225	80	500	6.57	15.83	45.85	0.2	93	128	<1	4	<1	<1	1	35	37	227
19796	DU-13	<10	<2	<1	0.022	200	81	187	80	540	4.93	13.25	46.38	<0.2	76	90	<1	<1	<1	1	1	41	44	325
19798	DU-13	<10	5	<1	0.051	85	241	85	440	560	5.79	9.76	41.61	<0.2	63	98	<1	<1	<1	<1	1	12	17	104
19799	DU-13	<10	268	<1	0.045	138	347	463	80	280	7.20	16.61	43.77	<0.2	95	106	<1	<1	<1	1	<1	18	7	40
19800	DU-13	<10	<2	<1	0.101	63	76	147	60	200	2.94	6.33	49.77	<0.2	44	57	<1	<1	<1	1	1	7	10	92
19801	DU-13	<10	<2	<1	0.017	103	214	180	100	400	6.52	13.55	47.51	<0.2	79	90	<1	1	<1	<1	<1	14	29	201
19803	DU-13	316	660	55	1.546	6200	2492	775	60	150	18.84	18.03	40.86	2.8	163	151	<1	<1	<1	<1	1	6	6	40
19804	DU-13	67	<2	10	5.450	4200	10000	277	100	100	7.06	20.44	40.92	1.0	529	222	<1	<1	<1	<1	1	4	2	32
19805	DU-13	69	81	20	0.090	1050	154	60	60	560	2.29	2.99	66.52	0.6	18	67	<1	<1	<1	1	<1	*	9	97
19806	D-6A	<10	<2	<1	0.118	190	161	158	80	390	5.03	14.93	44.14	<0.2	75	110	<1	<1	<1	1	1	*	25	208
19808	D-6A	17	4	<1	0.068	130	132	250	40	150	5.97	11.05	49.03	<0.2	58	96	<1	2	<1	1	2	*	17	93
19809	D-6A	<10	4	<1	0.056	100	95	205	40	120	5.10	11.18	48.21	<0.2	58	122	<1	<1	<1	1	1	*	16	134
19810	D-6A	<10	3	<1	0.090	92	140	206	40	150	6.61	12.88	47.46	<0.2	74	96	<1	1	<1	<1	<1	*	13	93
19812	D-6A	<10	7	<1	0.321	340	352	168	340	1000	9.06	14.77	51.46	<0.2	91	200	<1	<1	<1	1	1	*	38	75
19813	D-6A	35	<2	4	0.134	186	360	222	120	760	9.56	16.56	51.35	<0.2	93	146	<1	<1	<1	<1	<1	*	37	72
19814	D-6A	<10	5	<1	0.247	230	349	127	40	690	10.83	17.13	50.68	<0.2	90	158	<1	<1	<1	<1	<1	*	26	115

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-6c

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19760	NM-3	<10	29	<1	0.056	158	192	465	60	130	6.79	13.02	46.54	254	1.92	18.20	9.26	3.00	0.11	0.15	0.11	64	66	294	141
19763	NM-3	<10	8	<1	0.410	1000	44	92	60	460	2.90	11.70	48.31	171	2.78	19.47	10.35	3.77	0.75	0.14	0.48	64	64	369	268
19765	NM-3	39	<2	<1	0.017	350	28	69	60	1600	3.18	11.19	48.57	210	3.48	19.10	10.05	3.51	0.36	0.14	0.24	66	64	313	236
19766	NM-3	<10	5	<1	0.180	330	3	25	80	960	4.61	16.35	45.04	205	4.89	12.67	11.16	2.78	0.26	0.21	1.21	70	72	257	299
19768	NM-3	<10	4	<1	0.056	320	9	21	80	1200	4.37	20.93	44.49	224	4.15	11.60	10.22	2.80	<0.1	0.30	1.29	70	100	246	338
19769	NM-3	<10	<2	<1	0.118	360	12	7	80	900	4.02	17.03	46.08	254	4.25	13.54	10.40	2.94	0.11	0.22	1.03	70	68	253	321
19771	NM-3	<10	9	<1	0.157	350	57	67	80	660	2.10	6.48	50.97	87	1.12	24.57	11.78	3.55	<0.1	0.08	0.25	70	35	367	202
19772	NM-3	<10	7	3	0.241	1100	138	53	80	390	3.40	10.45	49.83	102	1.72	20.22	10.48	3.47	<0.1	0.13	0.51	66	58	376	281
19773	NM-3	<10	7	8	0.090	800	138	180	100	450	4.35	12.39	49.19	146	2.44	18.51	9.32	3.18	0.27	0.15	0.36	90	62	308	241
19774	NM-3	<10	5	<1	0.106	400	104	160	60	500	4.27	10.38	48.86	147	2.16	20.03	9.87	3.22	0.30	0.13	0.24	80	53	333	205
19775	NM-3	33	<2	4	0.095	490	149	205	120	420	4.51	10.00	48.79	121	1.51	20.29	10.03	3.24	0.46	0.12	0.24	78	53	331	195
19776	NM-3	<10	<2	<1	0.045	178	87	218	80	640	4.03	9.38	48.59	153	1.49	20.67	9.81	3.24	0.49	0.11	0.20	70	52	342	194
19777	NM-3	<10	<2	9	0.190	1500	240	70	60	200	3.08	7.60	50.28	97	1.10	22.42	10.95	3.49	0.57	0.10	0.28	70	42	359	183
19778	NM-3	<10	4	<1	0.096	310	15	9	100	1800	3.98	18.97	43.47	217	4.17	13.03	10.71	3.00	0.82	0.23	2.12	80	80	270	337
19780	NM-3	<10	<2	<1	3.850	1000	531	470	40	700	4.62	21.95	41.16	275	1.05	16.87	2.75	1.78	1.50	0.09	0.28	130	70	153	318
19782	NM-3	19	34	9	0.112	630	127	109	100	640	2.16	6.68	49.31	116	1.46	23.09	11.46	3.36	0.48	0.08	0.26	76	32	354	213
19783	NM-3	<10	<2	3	0.068	270	153	112	80	500	2.78	5.27	50.01	59	0.69	25.02	12.08	3.19	0.70	0.06	0.17	76	28	350	149
19787	NM-3	<10	<2	3	0.158	950	113	65	60	180	0.94	2.57	52.11	27	0.28	27.59	12.33	3.96	0.27	0.03	0.16	68	16	397	111
19788	NM-3	<10	<2	<1	0.073	105	144	138	60	450	4.69	9.92	47.57	155	1.63	20.05	10.37	2.98	0.74	0.12	0.27	95	48	314	197
19790	NM-3	423	748	79	1.450	7000	2717	226	40	760	7.92	13.08	44.97	102	1.10	17.94	8.96	2.54	0.47	0.13	0.69	78	63	289	134
19791	NM-3	473	<2	318	2.250	10000	2709	259	60	1150	7.30	14.13	45.92	140	1.48	17.12	8.12	2.89	0.52	0.14	0.93	80	68	356	234
19792	NM-3	40	80	17	0.230	1400	474	209	80	320	4.56	7.88	53.86	125	1.13	17.65	6.82	4.36	1.43	0.12	0.25	66	30	697	724
19793	DU-13	19	58	10	0.196	157	42	58	180	2500	2.89	13.48	50.87	156	2.42	14.19	8.04	3.17	1.88	0.20	1.61	200	77	239	599
19794	DU-13	<10	9	<1	0.106	170	96	109	280	1800	5.74	18.82	43.35	535	5.40	10.28	10.67	2.09	0.88	0.25	1.72	110	92	175	306
19795	DU-13	20	<2	<1	0.163	460	176	225	80	500	6.57	15.83	45.85	353	5.25	12.73	9.49	2.31	1.09	0.21	0.37	84	78	197	221
19796	DU-13	<10	<2	<1	0.022	200	81	187	80	540	4.93	13.25	46.38	374	6.37	13.69	10.87	2.66	0.84	0.18	0.44	88	57	217	259
19798	DU-13	<10	5	<1	0.051	85	241	85	440	560	5.79	9.76	41.61	128	1.62	18.79	14.71	1.24	0.46	0.12	0.22	80	71	182	123
19799	DU-13	<10	268	<1	0.045	138	347	463	80	280	7.20	16.61	43.77	486	2.16	16.11	9.76	2.47	0.51	0.17	0.12	51	103	249	82
19800	DU-13	<10	<2	<1	0.101	63	76	147	60	200	2.94	6.33	49.77	112	1.32	23.03	10.94	3.67	0.91	0.08	0.20	62	37	364	178
19801	DU-13	<10	<2	<1	0.017	103	214	180	100	400	6.52	13.55	47.51	177	2.59	17.00	8.35	2.92	0.87	0.16	0.38	68	76	273	261
19803	DU-13	316	660	55	1.546	6200	2492	775	60	150	18.84	18.03	40.86	77	0.58	11.31	5.13	1.58	0.39	0.18	0.50	64	120	227	102
19804	DU-13	67	<2	10	5.450	4200	10000	277	100	100	7.06	20.44	40.92	33	0.15	12.89	2.72	3.10	1.34	0.10	0.48	60	96	935	1098
19805	DU-13	69	81	20	0.090	1050	154	60	60	560	2.29	2.99	66.52	36	0.22	15.55	1.81	4.70	4.13	0.05	0.14	180	22	712	2848
19806	D-6A	<10	<2	<1	0.118	190	161	158	80	390	5.03	14.93	44.14	303	4.77	16.91	8.39	2.87	0.77	0.17	0.39	100	100	320	283
19808	D-6A	17	4	<1	0.068	130	132	250	40	150	5.97	11.05	49.03	169	2.07	18.93	9.76	3.06	0.81	0.14	0.20	88	78	305	214
19809	D-6A	<10	4	<1	0.056	100	95	205	40	120	5.10	11.18	48.21	151	2.03	20.22	9.23	3.26	0.59	0.13	0.23	76	50	333	209
19810	D-6A	<10	3	<1	0.090	92	140	206	40	150	6.61	12.88	47.46	164	2.20	18.69	9.28	2.97	0.67	0.16	0.20	72	79	317	208
19812	D-6A	<10	7	<1	0.321	340	352	168	340	1000	9.06	14.77	51.46	204	2.45	6.62	7.63	1.89	0.71	0.28	1.93	72	74	106	146
19813	D-6A	35	<2	4	0.134	186	360	222	120	760	9.56	16.56	51.35	220	3.12	6.18	8.04	1.69	0.92	0.26	1.47	80	80	123	189
19814	D-6A	<10	5	<1	0.247	230	349	127	40	690	10.83	17.13	50.68	218	3.43	6.47	6.94	1.46	1.10	0.26	0.48	105	105	139	219

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-6d

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19816	D-6A	141	220	57	0.613	2200	1725	216	80	130	19.92	18.85	39.72	0.8	165	137	<1	<1	<1	1	<1	*	10	69
19818	D-6A	125	277	85	1.186	4500	2288	219	20	260	12.81	14.97	42.79	1.4	142	121	<1	<1	<1	1	1	*	6	38
19819	D-6A	<10	50	5	0.073	100	1288	140	40	260	29.66	26.12	37.97	<0.2	215	154	<1	<1	<1	<1	<1	*	<1	14
19821	D-6A	86	97	35	0.033	2600	1395	175	80	200	10.90	14.43	43.63	1.6	125	117	<1	2	<1	1	1	*	6	44
19822	D-6A	99	<2	60	1.203	3000	2378	441	80	100	23.97	25.03	38.84	0.6	219	164	<1	<1	<1	<1	1	*	4	21
19823	D-6A	102	211	55	1.113	4700	2326	235	60	520	11.94	19.65	42.91	4.0	155	147	<1	<1	<1	1	<1	*	13	100
19824	D-6A	98	<2	48	1.743	2900	1493	396	40	320	5.91	14.74	44.69	1.6	121	102	<1	<1	<1	<1	<1	*	12	93
19825	D-6A	20	75	17	1.102	1850	782	327	80	500	4.79	12.04	47.01	1.0	86	94	<1	<1	<1	2	<1	*	14	175
19827	D-6A	70	68	30	0.646	2300	1122	541	60	450	8.66	16.45	45.76	1.2	107	133	<1	1	<1	1	1	*	18	110
19829	D-6A	199	377	162	0.787	4000	1225	238	60	760	6.43	15.30	47.12	6.8	93	167	<1	<1	<1	<1	1	*	25	195
19830	D-6A	70	64	26	1.035	2100	384	116	20	128	2.01	3.62	64.44	1.0	27	76	2	<1	<1	1	1	*	6	130
19831	BA-4	<10	6	<1	0.431	160	411	121	80	440	11.05	12.38	47.00	<0.2	86	110	<1	<1	<1	1	<1	*	10	31
19832	BA-4	<10	34	<1	0.028	72	691	131	320	1500	18.77	17.37	42.01	<0.2	131	137	<1	<1	<1	<1	1	*	5	20
19833	BA-4	<10	<2	<1	0.023	116	275	108	60	470	7.88	11.17	47.59	<0.2	70	89	<1	<1	<1	1	1	*	4	25
19834	BA-4	<10	<2	3	0.073	320	280	120	60	1250	14.26	22.30	43.33	<0.2	130	163	<1	1	<1	1	<1	*	26	59
19835	BA-4	<10	<2	9	0.191	900	336	251	60	1300	8.24	19.01	46.88	1.4	116	147	<1	<1	<1	<1	1	*	20	61
19836	BA-4	20	31	<1	0.427	270	270	229	120	2500	8.74	13.22	51.79	<0.2	75	101	<1	1	<1	1	1	*	31	93
19837	BA-4	18	21	11	0.141	1900	465	310	40	440	9.37	19.20	41.05	0.6	124	122	<1	<1	<1	<1	<1	*	14	78
19838	BA-4	29	<2	12	0.220	1000	351	341	20	370	7.75	16.18	43.03	0.2	103	102	<1	<1	<1	1	<1	*	13	75
19839	BA-4	102	26	13	0.425	1100	419	197	20	250	9.07	20.78	40.23	0.2	116	161	<1	<1	<1	<1	<1	*	15	58
19840	BA-4	<10	<2	3	0.730	1050	502	167	40	1500	9.11	21.59	42.26	<0.2	128	154	<1	<1	<1	1	1	*	33	95
19841	BA-4	<10	3	<1	0.260	250	345	152	80	1300	11.00	19.74	42.47	<0.2	108	182	<1	<1	<1	<1	<1	*	40	97
19842	BA-4	<10	8	6	0.370	480	572	233	80	880	14.55	25.99	38.70	<0.2	159	179	<1	<1	<1	1	1	*	18	70
19843	BA-4	42	28	10	0.375	490	891	136	60	1500	20.94	23.20	35.94	0.8	166	159	<1	<1	<1	1	<1	*	3	17
19844	BA-4	70	77	39	0.780	1250	749	406	100	300	16.35	20.53	42.99	3.0	143	128	<1	<1	<1	<1	<1	*	21	57
19845	BA-4	94	<2	99	1.675	2500	834	309	80	1000	14.03	24.06	39.27	1.6	161	157	<1	<1	<1	1	<1	*	20	83
19846	BA-4	89	<2	89	0.830	2200	725	397	60	1800	13.18	22.29	39.29	1.4	157	124	<1	<1	<1	1	<1	*	24	82
19847	BA-4	56	83	42	0.865	1550	646	278	80	280	12.55	22.57	39.20	0.8	152	138	<1	1	<1	1	<1	*	14	65
19848	BA-4	26	35	15	0.120	530	396	109	80	3000	7.43	12.33	44.01	0.4	83	87	<1	<1	<1	<1	<1	*	<1	16
19849	BA-4	<10	7	4	0.195	230	356	246	60	440	9.03	16.05	43.18	0.2	95	139	<1	<1	<1	<1	<1	*	23	78
19850	BA-4												44.50									*		**42
19850	BA-4	<10	<2	9	0.110	470	306	279	80	600	8.39	15.12	44.97	0.2	93	119	<1	<1	<1	<1	<1	28	7	<10
19851	BA-4	<10	<2	<1	0.950	330	191	271	100	1100	7.30	14.64	45.35	<0.2	85	122	<1	<1	<1	<1	<1	29	19	**74
19852	BA-4	<10	<2	<1	0.050	173	140	162	120	1100	5.46	10.44	49.50	<0.2	63	246	<1	1	<1	1	1	17	12	**38
19853	BA-4	17	55	<1	0.060	260	248	387	80	1500	7.58	11.48	46.68	<0.2	79	101	<1	<1	<1	<1	<1	16	6	**36
19854	BA-4	<10	<2	4	0.055	360	163	314	80	880	5.73	12.13	48.98	4.4	74	119	<1	<1	<1	<1	<1	21	17	**64
19855	BA-4	<10	7	<1	3.500	130	171	455	80	940	6.84	11.63	47.03	<0.2	69	105	<1	<1	<1	1	1	21	11	**32
19856	BA-4	37	<2	10	0.035	200	519	1697	120	1250	15.67	19.78	42.06	<0.2	131	146	<1	<1	<1	1	<1	16	3	**20
19858	BA-4	<10	<2	<1	0.100	185	325	281	100	760	10.74	18.00	43.06	<0.2	110	144	<1	<1	<1	<1	1	29	14	**76
19859	BA-4	23	46	3	0.070	360	1160	163	120	440	19.45	18.73	38.85	<0.2	146	164	<1	<1	<1	<1	1	18	15	**64

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Results requested but not received
** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6e

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19816	D-6A	141	220	57	0.613	2200	1725	216	80	130	19.92	18.85	39.72	94	1.15	9.21	4.80	1.29	0.41	0.20	0.32	70	140	151	116
19818	D-6A	125	277	85	1.186	4500	2288	219	20	260	12.81	14.97	42.79	61	0.56	16.04	7.65	1.87	0.50	0.15	0.40	80	130	276	95
19819	D-6A	<10	50	5	0.073	100	1288	140	40	260	29.66	26.12	37.97	38	0.09	3.08	1.61	0.38	<0.1	0.29	0.06	72	200	51	22
19821	D-6A	86	97	35	0.033	2600	1395	175	80	200	10.90	14.43	43.63	90	0.48	17.34	8.05	2.25	0.15	0.15	0.29	62	90	275	107
19822	D-6A	99	<2	60	1.203	3000	2378	441	80	100	23.97	25.03	38.84	89	0.52	7.27	3.53	1.00	0.22	0.26	0.33	68	165	121	55
19823	D-6A	102	211	55	1.113	4700	2326	235	60	520	11.94	19.65	42.91	167	2.06	13.61	6.75	2.19	0.35	0.19	0.51	80	125	229	145
19824	D-6A	98	<2	48	1.743	2900	1493	396	40	320	5.91	14.74	44.69	324	4.37	17.60	9.01	2.87	0.60	0.15	0.43	70	85	321	189
19825	D-6A	20	75	17	1.102	1850	782	327	80	500	4.79	12.04	47.01	268	3.62	19.58	9.76	3.22	0.40	0.13	0.30	80	60	348	194
19827	D-6A	70	68	30	0.646	2300	1122	541	60	450	8.66	16.45	45.76	199	2.08	15.93	7.83	2.49	0.56	0.18	0.40	68	93	261	195
19829	D-6A	199	377	162	0.787	4000	1225	238	60	760	6.43	15.30	47.12	283	2.72	14.43	8.49	2.72	0.91	0.19	0.59	70	80	343	280
19830	D-6A	70	64	26	1.035	2100	384	116	20	128	2.01	3.62	64.44	45	0.35	17.44	3.27	5.47	2.53	0.06	0.28	68	15	1061	1322
19831	BA-4	<10	6	<1	0.431	160	411	121	80	440	11.05	12.38	47.00	67	0.63	17.51	8.10	2.39	0.44	0.15	0.11	52	62	278	131
19832	BA-4	<10	34	<1	0.028	72	691	131	320	1500	18.77	17.37	42.01	61	0.57	12.25	5.98	1.58	0.10	0.20	0.09	60	81	187	68
19833	BA-4	<10	<2	<1	0.023	116	275	108	60	470	7.88	11.17	47.59	106	0.92	19.11	10.20	2.64	0.38	0.14	0.09	62	65	319	110
19834	BA-4	<10	<2	3	0.073	320	280	120	60	1250	14.26	22.30	43.33	245	4.06	6.09	7.29	0.66	0.67	0.32	1.03	64	95	116	151
19835	BA-4	<10	<2	9	0.191	900	336	251	60	1300	8.24	19.01	46.88	416	6.16	8.75	5.70	1.82	1.07	0.25	0.65	58	80	192	229
19836	BA-4	20	31	<1	0.427	270	270	229	120	2500	8.74	13.22	51.79	200	1.58	9.96	9.39	2.04	0.46	0.21	1.42	66	86	198	100
19837	BA-4	18	21	11	0.141	1900	465	310	40	440	9.37	19.20	41.05	585	7.19	8.68	11.83	1.09	0.41	0.24	0.21	62	100	147	55
19838	BA-4	29	<2	12	0.220	1000	351	341	20	370	7.75	16.18	43.03	452	5.66	13.67	10.86	2.02	0.37	0.20	0.19	63	88	235	88
19839	BA-4	102	26	13	0.425	1100	419	197	20	250	9.07	20.78	40.23	541	4.45	11.03	10.86	1.18	0.16	0.24	0.18	64	120	201	68
19840	BA-4	<10	<2	3	0.730	1050	502	167	40	1500	9.11	21.59	42.26	324	4.38	9.14	10.72	1.23	0.34	0.28	0.85	74	125	189	96
19841	BA-4	<10	3	<1	0.260	250	345	152	80	1300	11.00	19.74	42.47	186	2.99	9.05	9.94	1.38	0.35	0.28	0.97	64	125	181	119
19842	BA-4	<10	8	6	0.370	480	572	233	80	880	14.55	25.99	38.70	398	5.55	5.75	8.12	0.80	<0.1	0.33	0.31	70	170	98	55
19843	BA-4	42	28	10	0.375	490	891	136	60	1500	20.94	23.20	35.94	158	1.75	5.79	3.55	0.28	<0.1	0.30	0.09	58	135	56	17
19844	BA-4	70	77	39	0.780	1250	749	406	100	300	16.35	20.53	42.99	476	3.67	1.80	13.94	0.30	<0.1	0.29	0.14	48	155	26	13
19845	BA-4	94	<2	99	1.675	2500	834	309	80	1000	14.03	24.06	39.27	522	5.89	2.46	12.12	0.34	0.34	0.30	0.28	60	195	44	16
19846	BA-4	89	<2	89	0.830	2200	725	397	60	1800	13.18	22.29	39.29	627	7.29	2.50	13.73	0.32	0.34	0.28	0.22	70	180	43	<10
19847	BA-4	56	83	42	0.865	1550	646	278	80	280	12.55	22.57	39.20	446	6.17	7.32	11.94	0.61	0.10	0.27	0.26	64	160	132	22
19848	BA-4	26	35	15	0.120	530	396	109	80	3000	7.43	12.33	44.01	73	0.88	21.74	11.68	1.63	0.15	0.15	0.11	66	63	401	51
19849	BA-4	<10	7	4	0.195	230	356	246	60	440	9.03	16.05	43.18	252	3.17	13.84	11.95	1.46	0.42	0.22	0.54	68	92	249	76
19850	BA-4												44.50			15.00	10.31	2.02	0.29	0.19	0.12			**236	**84
19850	BA-4	<10	<2	9	0.110	470	306	279	80	600	8.39	15.12	44.97	306	3.55	14.95	10.30	2.10	0.27	0.19	0.13	68	84	<10	<10
19851	BA-4	<10	<2	<1	0.950	330	191	271	100	1100	7.30	14.64	45.35	418	3.98	15.03	10.13	2.35	0.31	0.18	0.32	68	85	**257	<10
19852	BA-4	<10	<2	<1	0.050	173	140	162	120	1100	5.46	10.44	49.50	249	1.92	18.36	9.57	3.12	0.42	0.17	0.20	66	70	**290	<10
19853	BA-4	17	55	<1	0.060	260	248	387	80	1500	7.58	11.48	46.68	220	1.84	18.90	10.17	2.68	0.29	0.15	0.13	62	60	**262	<10
19854	BA-4	<10	<2	4	0.055	360	163	314	80	880	5.73	12.13	48.98	443	3.94	14.74	8.92	2.75	1.44	0.17	0.20	70	67	**280	<10
19855	BA-4	<10	7	<1	3.500	130	171	455	80	940	6.84	11.63	47.03	252	1.35	18.42	10.58	2.64	0.46	0.15	0.14	64	71	**313	<10
19856	BA-4	37	<2	10	0.035	200	519	1697	120	1250	15.67	19.78	42.06	302	1.29	11.75	6.53	1.59	0.21	0.23	0.09	50	130	**157	<10
19858	BA-4	<10	<2	<1	0.100	185	325	281	100	760	10.74	18.00	43.06	451	3.15	12.92	8.44	1.89	0.45	0.21	0.20	66	118	**181	<10
19859	BA-4	23	46	3	0.070	360	1160	163	120	440	19.45	18.73	38.85	216	1.68	8.21	5.02	1.08	0.23	0.22	0.21	52	130	**109	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6f

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19860	BA-4	118	341	35	0.490	2500	1100	192	120	178	11.96	12.73	44.36	0.6	109	100	<1	<1	<1	1	2	12	11	**54
19861	BA-4	98	493	51	0.525	2000	1115	79	60	2500	11.26	13.26	44.86	0.8	107	132	<1	<1	<1	<1	1	7	8	**44
19862	BA-4	54	241	16	0.795	1450	620	122	80	860	8.52	12.03	46.54	0.4	84	104	<1	2	<1	1	<1	8	7	**52
19863	BA-4	135	295	27	0.550	2600	1343	104	120	1100	8.45	12.36	45.24	1.0	100	106	<1	<1	<1	<1	<1	10	11	**56
19864	BA-4	150	<2	51	0.800	2400	1581	124	100	2000	13.65	20.02	42.75	0.8	156	146	<1	5	<1	<1	<1	13	9	**75
19865	BA-4	240	238	98	0.895	2500	2038	166	120	1000	22.61	29.69	37.88	0.8	238	201	<1	10	<1	1	<1	15	7	**38
19866	BA-4	109	<2	37	0.820	1700	1439	223	100	760	21.42	29.57	42.01	1.0	241	197	<1	14	<1	1	<1	16	6	**65
19867	BA-4	36	<2	9	0.875	1150	827	169	80	1100	6.84	13.89	46.50	<0.2	87	118	<1	5	<1	<1	<1	20	23	**120
19868	BA-4	<10	73	10	0.275	630	212	61	100	3600	6.98	15.53	54.65	<0.2	16	51	<1	10	<1	1	1	3	9	**21
19869	W-12	32	9	4	0.288	70	114	195	60	4000	3.54	8.05	50.40	<0.2	32	149	<1	14	<1	1	1	19	31	**79
19870	W-12	32	<2	<1	0.030	89	408	257	80	1800	10.75	13.64	45.87	<0.2	90	121	<1	<1	<1	1	<1	13	9	**44
19871	W-12	<10	3	<1	0.035	210	1114	158	140	1300	21.54	21.37	37.93	<0.2	140	162	<1	<1	<1	<1	<1	11	7	**24
19872	W-12	18	20	<1	0.083	170	691	180	100	1200	13.70	15.78	43.71	<0.2	100	124	<1	1	<1	1	<1	11	6	**41
19873	W-12	<10	<2	<1	0.050	195	397	202	120	1500	8.90	11.86	46.39	0.2	72	89	<1	1	<1	1	2	15	6	**48
19874	W-12	213	887	89	0.215	1400	541	214	100	520	7.74	10.58	46.14	2.2	68	63	<1	<1	<1	1	<1	12	6	**35
19875	W-12	55	<2	9	0.065	400	764	230	100	720	14.60	16.64	42.25	<0.2	115	136	<1	<1	<1	<1	<1	12	4	**30
19876	W-12	89	<2	34	0.240	1950	723	3247	100	3100	12.85	17.20	42.48	0.2	116	146	<1	<1	<1	2	<1	7	2	**24
19877	W-12	41	99	8	0.100	1050	812	12186	340	860	14.01	25.88	35.22	<0.2	175	225	<1	<1	<1	<1	<1	8	<1	**24
19878	W-12	36	23	3	0.070	280	404	1711	120	2500	11.33	14.89	43.55	<0.2	101	103	<1	1	<1	<1	<1	7	2	**24
19879	W-12	<10	8	3	0.055	180	321	1196	100	820	9.52	14.87	43.61	<0.2	952	109	<1	1	<1	<1	<1	6	2	**23
19880	W-12	37	34	6	0.095	380	372	1840	100	1050	9.65	17.70	42.78	<0.2	115	141	<1	1	<1	<1	<1	10	4	**33
19881	W-12	82	<2	65	1.130	5200	1170	186	100	740	5.83	11.54	45.34	2.0	88	212	<1	13	<1	<1	<1	10	11	**64
19882	W-12	34	8	6	0.105	170	218	276	60	2400	6.83	13.16	48.93	<0.2	75	119	<1	1	<1	<1	<1	17	13	**84
19883	W-12	<10	5	<1	0.310	450	282	418	100	860	7.76	16.21	41.15	<0.2	86	191	<1	1	<1	<1	<1	37	9	**79
19884	W-12	23	30	9	0.525	1900	1008	110	120	4500	6.93	13.60	45.43	2.0	972	124	<1	<1	<1	<1	1	15	16	**131
19885	BA-3	<10	7	<1	0.065	43	1148	131	120	2900	24.31	21.26	35.96	<0.2	171	151	<1	<1	<1	<1	<1	7	<1	**16
19886	BA-3	<10	<2	<1	0.035	70	638	132	100	880	14.68	14.73	41.76	<0.2	111	95	<1	<1	<1	<1	1	7	4	**16
19887	BA-3	<10	7	<1	0.050	74	767	124	120	800	18.44	17.62	41.84	<0.2	131	130	<1	<1	<1	<1	<1	9	<1	**19
19889	BA-3	90	<2	45	0.240	930	745	83	100	370	13.76	14.13	42.93	<0.2	104	130	<1	<1	<1	<1	<1	8	<1	**19
19890	BA-3	28	<2	3	0.015	165	880	141	100	2300	19.12	19.79	40.39	<0.2	147	155	<1	<1	<1	<1	<1	15	4	**25
19891	BA-3	<10	7	<1	0.060	152	462	98	80	34	9.50	11.29	45.98	<0.2	82	78	<1	<1	<1	<1	<1	7	4	**24
19892	BA-3	<10	3	<1	0.030	29	408	979	100	430	9.06	18.44	39.47	<0.2	110	150	<1	<1	<1	<1	1	14	7	**32
19893	BA-3	<10	8	<1	0.060	78	366	304	100	560	11.76	11.85	44.25	<0.2	91	83	<1	<1	<1	2	<1	8	<1	**11
19894	BA-3	55	66	35	0.135	770	533	1027	120	320	14.01	17.83	42.15	<0.2	127	156	<1	<1	<1	<1	<1	16	3	**28
19895	BA-3	<10	42	24	0.120	880	279	402	120	1400	7.79	13.99	42.95	<0.2	97	85	<1	<1	<1	<1	<1	28	7	**53
19896	BA-3	<10	68	<1	0.450	116	468	127	120	1150	12.55	16.44	49.90	<0.2	106	132	<1	<1	<1	<1	<1	16	7	**58
19897	BA-3	<10	<2	4	0.125	150	708	119	80	1500	20.27	22.33	41.53	<0.2	148	128	<1	<1	<1	<1	<1	13	6	**25
19898	BA-3	<10	3	<1	0.041	100	618	92	120	1400	15.42	16.26	42.43	<0.2	120	137	<1	<1	<1	<1	<1	7	<1	**19
19899	BA-3	48	<2	12	0.375	530	419	129	60	1600	12.54	19.63	41.97	<0.2	120	138	<1	<1	<1	<1	<1	32	21	**127
19900	BA-3	<10	3	<1	0.075	82	404	304	120	350	11.60	12.03	45.17	<0.2	89	100	<1	<1	<1	<1	<1	10	6	**38

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6g

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19860	BA-4	118	341	35	0.490	2500	1100	192	120	178	11.96	12.73	44.36	105	0.91	17.64	7.91	1.89	0.26	0.14	0.37	54	80	**225	<10
19861	BA-4	98	493	51	0.525	2000	1115	79	60	2500	11.26	13.26	44.86	60	0.55	17.97	7.74	2.07	0.26	0.15	0.34	62	92	**249	<10
19862	BA-4	54	241	16	0.795	1450	620	122	80	860	8.52	12.03	46.54	85	0.72	19.54	8.79	2.59	0.49	0.14	0.27	62	80	**289	<10
19863	BA-4	135	295	27	0.550	2600	1343	104	120	1100	8.45	12.36	45.24	99	1.02	19.35	9.20	2.42	0.35	0.13	0.49	64	80	**276	<10
19864	BA-4	150	<2	51	0.800	2400	1581	124	100	2000	13.65	20.02	42.75	137	1.12	13.48	6.76	1.81	<0.1	0.20	0.46	60	140	**178	<10
19865	BA-4	240	238	98	0.895	2500	2038	166	120	1000	22.61	29.69	37.88	189	1.25	5.03	3.10	0.64	<0.1	0.30	0.48	54	180	**66	<10
19866	BA-4	109	<2	37	0.820	1700	1439	223	100	760	21.42	29.57	42.01	200	1.09	3.25	1.59	0.71	<0.1	0.26	0.35	62	190	**37	<10
19867	BA-4	36	<2	9	0.875	1150	827	169	80	1100	6.84	13.89	46.50	198	2.18	17.73	9.42	2.78	0.51	0.16	0.42	70	90	**269	<10
19868	BA-4	<10	73	10	0.275	630	212	61	100	3600	6.98	15.53	54.65	84	0.19	2.15	17.91	0.31	<0.1	0.12	0.43	42	115	**151	<10
19869	W-12	32	9	4	0.288	70	114	195	60	4000	3.54	8.05	50.40	143	0.67	14.09	19.44	1.39	0.42	0.35	0.23	58	46	**298	<10
19870	W-12	32	<2	<1	0.030	89	408	257	80	1800	10.75	13.64	45.87	112	0.82	17.18	8.34	1.98	0.27	0.17	0.17	54	68	**237	<10
19871	W-12	<10	3	<1	0.035	210	1114	158	140	1300	21.54	21.37	37.93	81	0.57	7.43	3.85	0.82	0.17	0.25	0.09	54	160	**97	<10
19872	W-12	18	20	<1	0.083	170	691	180	100	1200	13.70	15.78	43.71	89	0.80	14.61	6.92	1.69	0.43	0.19	0.13	70	118	**205	<10
19873	W-12	<10	<2	<1	0.050	195	397	202	120	1500	8.90	11.86	46.39	139	1.41	18.51	8.40	2.38	0.70	0.14	0.14	68	84	**263	<10
19874	W-12	213	887	89	0.215	1400	541	214	100	520	7.74	10.58	46.14	119	1.07	20.52	9.25	2.51	0.55	0.12	0.25	62	66	**284	<10
19875	W-12	55	<2	9	0.065	400	764	230	100	720	14.60	16.64	42.25	93	0.72	13.83	6.66	1.78	0.14	0.19	0.14	50	110	**183	<10
19876	W-12	89	<2	34	0.240	1950	723	3247	100	3100	12.85	17.20	42.48	363	0.99	16.26	7.13	2.07	<0.1	0.17	0.29	64	125	**235	<10
19877	W-12	41	99	8	0.100	1050	812	12186	340	860	14.01	25.88	35.22	1463	3.55	13.31	4.99	1.50	0.25	0.22	0.20	48	120	**156	<10
19878	W-12	36	23	3	0.070	280	404	1711	120	2500	11.33	14.89	43.55	284	0.82	17.40	7.68	2.15	0.64	0.16	0.12	60	107	**242	<10
19879	W-12	<10	8	3	0.055	180	321	1196	100	820	9.52	14.87	43.61	289	1.03	18.03	7.88	2.31	0.19	0.15	0.11	66	110	**266	<10
19880	W-12	37	34	6	0.095	380	372	1840	100	1050	9.65	17.70	42.78	614	1.84	16.88	7.49	2.30	0.25	0.18	0.16	68	125	**236	<10
19881	W-12	82	<2	65	1.130	5200	1170	186	100	740	5.83	11.54	45.34	133	0.99	21.15	10.42	2.82	0.11	0.11	0.58	64	100	**324	<10
19882	W-12	34	8	6	0.105	170	218	276	60	2400	6.83	13.16	48.93	209	1.51	19.03	6.18	2.64	1.21	0.13	0.15	72	66	**257	<10
19883	W-12	<10	5	<1	0.310	450	282	418	100	860	7.76	16.21	41.15	308	2.08	16.88	4.74	1.89	2.97	0.13	3.90	160	115	**213	<10
19884	W-12	23	30	9	0.525	1900	1008	110	120	4500	6.93	13.60	45.43	140	1.53	19.02	8.84	2.62	0.40	0.14	0.60	80	110	**283	<10
19885	BA-3	<10	7	<1	0.065	43	1148	131	120	2900	24.31	21.26	35.96	59	0.25	5.63	2.11	0.45	<0.1	0.23	0.08	50	135	**80	<10
19886	BA-3	<10	<2	<1	0.035	70	638	132	100	880	14.68	14.73	41.76	57	0.41	14.57	7.03	1.56	0.26	0.17	0.09	56	105	**204	<10
19887	BA-3	<10	7	<1	0.050	74	767	124	120	800	18.44	17.62	41.84	64	0.40	12.03	5.61	1.40	0.21	0.20	0.06	56	125	**197	<10
19889	BA-3	90	<2	45	0.240	930	745	83	100	370	13.76	14.13	42.93	48	0.39	16.13	7.48	1.88	0.35	0.16	0.16	50	95	**248	<10
19890	BA-3	28	<2	3	0.015	165	880	141	100	2300	19.12	19.79	40.39	127	1.36	9.91	5.56	1.16	0.14	0.23	0.19	46	81	**144	<10
19891	BA-3	<10	7	<1	0.060	152	462	98	80	34	9.50	11.29	45.98	86	1.04	18.92	9.11	2.63	0.36	0.13	0.09	48	61	**285	<10
19892	BA-3	<10	3	<1	0.030	29	408	979	100	430	9.06	18.44	39.47	489	2.36	17.81	9.87	1.75	0.10	0.14	0.04	66	120	**237	<10
19893	BA-3	<10	8	<1	0.060	78	366	304	100	560	11.76	11.85	44.25	134	0.56	18.60	9.71	2.03	<0.1	0.14	0.05	56	80	**266	<10
19894	BA-3	55	66	35	0.135	770	533	1027	120	320	14.01	17.83	42.15	350	2.00	13.26	8.12	1.73	<0.1	0.20	0.11	48	100	**207	<10
19895	BA-3	<10	42	24	0.120	880	279	402	120	1400	7.79	13.99	42.95	461	5.17	15.85	10.92	2.38	<0.1	0.16	0.11	56	78	**260	<10
19896	BA-3	<10	68	<1	0.450	116	468	127	120	1150	12.55	16.44	49.90	138	1.31	10.82	5.45	2.57	0.22	0.20	0.07	42	82	**155	<10
19897	BA-3	<10	<2	4	0.125	150	708	119	80	1500	20.27	22.33	41.53	105	1.13	9.03	5.20	1.45	0.23	0.27	0.09	48	130	**136	<10
19898	BA-3	<10	3	<1	0.041	100	618	92	120	1400	15.42	16.26	42.43	45	0.49	13.64	6.42	1.83	<0.1	0.19	0.06	42	90	**200	<10
19899	BA-3	48	<2	12	0.375	530	419	129	60	1600	12.54	19.63	41.97	398	4.68	9.94	9.27	1.55	<0.1	0.25	0.18	56	92	**170	<10
19900	BA-3	<10	3	<1	0.075	82	404	304	120	350	11.60	12.03	45.17	102	0.93	18.16	9.23	2.27	<0.1	0.15	0.09	40	52	**247	<10

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6h

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19901	BA-3	<10	<2	<1	0.025	51	384	340	120	1200	11.75	12.26	50.17	<0.2	88	109	<1	2	<1	<1	1	7	7	**36
19902	BA-3	29	<2	<1	0.050	41	328	477	120	3900	9.30	11.75	56.08	<0.2	58	146	<1	14	<1	<1	1	12	49	**61
19903	BA-3	<10	<2	4	0.075	122	319	300	120	2600	11.43	14.97	47.45	<0.2	91	136	<1	<1	<1	<1	<1	18	43	**47
19904	BA-3	<10	4	<1	0.550	540	422	240	40	950	11.81	18.82	39.62	<0.2	127	122	<1	<1	<1	<1	<1	41	14	**63
19905	BA-3	<10	<2	3	0.090	132	252	250	80	1300	7.93	11.33	46.53	<0.2	65	88	<1	<1	<1	<1	<1	13	5	**26
19906	BA-3	54	26	8	0.112	600	491	301	120	480	14.85	15.97	49.40	<0.2	104	164	<1	3	1	1	3	18	9	**34
19907	BA-3	<10	12	5	0.020	120	220	203	140	1800	8.57	13.40	50.83	<0.2	76	100	<1	2	<1	<1	2	29	20	**39
19908	BA-3	39	60	3	0.436	400	546	231	60	1700	12.12	14.95	52.82	<0.2	85	142	<1	2	1	1	2	20	31	**30
19909	BA-3	<10	13	7	0.124	700	34	240	120	2200	8.33	12.92	47.15	<0.2	73	96	1	3	<1	<1	1	23	9	**29
19910	BA-3	<10	3	<1	0.064	140	251	202	100	430	7.35	11.09	47.81	<0.2	63	102	1	2	<1	<1	1	16	6	**24
19911	BA-3	<10	4	3	0.760	185	216	159	80	480	6.94	12.56	46.83	<0.2	71	90	<1	3	<1	<1	1	18	9	**41
19912	BA-3	<10	19	10	0.172	900	390	307	80	800	8.18	13.76	45.55	<0.2	84	118	1	2	1	1	2	26	16	**62
19913	BA-3	<10	8	4	0.034	53	249	336	80	800	7.54	8.31	47.01	<0.2	58	90	2	2	1	<1	<1	9	6	**32
19914	B-3	<10	23	10	0.332	900	272	185	40	1700	5.50	13.92	43.79	<0.2	76	130	<1	3	<1	2	<1	25	43	**102
19915	B-3	<10	7	3	0.100	132	290	328	40	900	8.11	13.10	46.20	<0.2	78	105	<1	2	1	1	<1	11	15	**78
19916	B-3	167	389	57	0.152	800	590	1548	<20	380	16.46	17.57	42.08	<0.2	118	161	<1	2	<1	1	<1	10	4	**26
19917	B-3	28	63	26	0.492	2300	944	129	100	860	8.36	11.84	46.20	2.2	108	82	<1	8	<1	1	<1	7	3	**36
19918	B-3	<10	19	9	0.276	1200	423	148	40	1400	5.62	8.06	48.46	0.2	65	75	<1	2	<1	1	<1	11	11	**47
19919	B-3	89	82	33	0.244	1700	706	126	60	980	8.47	11.81	47.03	0.4	87	91	<1	1	<1	1	1	9	11	**56
19920	B-3	60	85	28	0.280	1800	998	143	60	1400	15.04	17.10	43.05	<0.2	121	151	4	1	<1	1	<1	12	6	**58
19921	B-3	72	28	11	0.124	700	382	133	40	980	7.20	11.12	47.37	<0.2	70	93	3	1	<1	1	<1	8	9	**67
19922	B-3	<10	45	25	0.252	2000	931	127	80	800	14.77	15.84	43.40	0.4	114	140	<1	1	<1	1	<1	9	4	**28
19923	B-3	<10	41	18	1.060	5400	1537	89	60	235	5.66	10.24	46.41	3.0	81	90	1	<1	<1	<1	<1	5	7	**56
19924	B-3	50	47	23	0.592	2400	801	140	40	1150	11.56	13.26	44.73	0.6	99	105	<1	1	<1	1	<1	8	10	**47
19925	B-3	30	22	9	0.740	2500	734	196	60	840	8.29	13.27	46.17	0.4	97	133	<1	1	<1	1	<1	9	11	**66
19926	B-3	26	10	6	0.644	900	527	289	60	520	7.11	9.78	47.90	<0.2	86	85	<1	1	<1	<1	<1	5	4	**32
19927	B-3	<10	7	<1	0.044	55	259	389	80	540	8.73	13.08	46.35	<0.2	89	91	<1	1	<1	<1	<1	9	9	**50
19928	B-3	36	36	35	0.236	2000	541	155	60	410	12.34	13.65	44.63	0.6	99	125	<1	1	<1	1	<1	6	4	**30
19929	B-3	<10	3	<1	0.052	165	203	198	80	1050	7.30	13.60	47.21	<0.2	82	105	<1	7	<1	<1	<1	20	17	**69
19930	B-3	<10	6	5	0.048	285	266	415	60	1000	7.27	14.63	45.26	<0.2	88	130	<1	1	<1	<1	<1	13	16	**81
19931	B-3	15	<2	3	0.060	225	120	412	40	2100	5.88	15.60	43.10	<0.2	92	111	<1	1	1	<1	<1	62	28	**158
19932	B-3	23	3	4	0.080	225	101	278	60	800	6.16	14.30	46.14	<0.2	70	160	1	1	<1	1	<1	40	36	**133
19933	B-3	<10	4	2	0.048	136	163	125	60	1000	6.12	13.17	47.52	<0.2	70	85	<1	1	<1	1	<1	19	26	**165
19934	B-3	<10	16	<1	0.056	96	197	207	80	1000	6.24	13.31	46.99	<0.2	73	123	1	1	<1	1	<1	14	22	**138
19935	B-3	<10	5	<1	0.168	175	126	152	80	1750	5.19	16.87	44.89	<0.2	74	163	<1	2	1	1	<1	25	53	**194
19936	B-3	<10	4	2	0.024	77	206	168	60	740	6.27	10.77	48.76	<0.2	68	97	1	1	<1	<1	<1	13	17	**88
19937	W-5	64	32	19	0.120	500	286	196	60	1200	6.44	11.36	46.98	0.4	77	99	<1	1	<1	<1	<1	13	13	**98
19938	W-5	46	19	10	0.080	450	240	131	60	1750	6.46	12.19	46.80	<0.2	68	106	<1	1	<1	1	<1	11	21	**81
19939	W-5	<10	15	6	0.060	240	116	540	60	1350	5.32	11.01	47.97	<0.2	58	92	1	1	<1	<1	<1	13	21	**135
19940	W-5	<10	17	5	0.140	600	265	184	80	1450	6.74	14.67	46.41	<0.2	85	136	<1	1	<1	1	<1	21	28	**127

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6i

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19901	BA-3	<10	<2	<1	0.025	51	384	340	120	1200	11.75	12.26	50.17	65	0.62	14.11	6.16	2.03	1.02	0.16	0.30	56	60	**206	<10
19902	BA-3	29	<2	<1	0.050	41	328	477	120	3900	9.30	11.75	56.08	98	0.55	7.08	7.45	1.42	0.81	0.19	3.04	62	60	**81	<10
19903	BA-3	<10	<2	4	0.075	122	319	300	120	2600	11.43	14.97	47.45	217	3.01	8.59	8.08	1.38	0.75	0.26	2.68	62	58	**199	<10
19904	BA-3	<10	4	<1	0.550	540	422	240	40	950	11.81	18.82	39.62	484	6.18	9.25	13.16	0.74	<0.1	0.23	0.17	56	105	**163	<10
19905	BA-3	<10	<2	3	0.090	132	252	250	80	1300	7.93	11.33	46.53	131	1.08	18.88	10.56	2.66	<0.1	0.14	0.14	50	44	**265	<10
19906	BA-3	54	26	8	0.112	600	491	301	120	480	14.85	15.97	49.40	160	1.25	10.20	4.99	1.34	0.90	0.26	0.24	52	63	**140	<10
19907	BA-3	<10	12	5	0.020	120	220	203	140	1800	8.57	13.40	50.83	284	2.20	11.23	6.71	2.23	0.87	0.19	0.42	64	78	**202	<10
19908	BA-3	39	60	3	0.436	400	546	231	60	1700	12.12	14.95	52.82	164	1.42	7.90	5.52	1.82	0.91	0.24	1.71	64	72	**144	<10
19909	BA-3	<10	13	7	0.124	700	34	240	120	2200	8.33	12.92	47.15	191	1.68	16.43	9.70	2.35	0.29	0.17	0.21	36	75	**261	<10
19910	BA-3	<10	3	<1	0.064	140	251	202	100	430	7.35	11.09	47.81	142	1.26	18.62	9.81	2.64	0.29	0.15	0.12	38	56	**289	<10
19911	BA-3	<10	4	3	0.760	185	216	159	80	480	6.94	12.56	46.83	277	2.56	18.80	9.05	2.44	0.12	0.14	0.15	38	58	**275	<10
19912	BA-3	<10	19	10	0.172	900	390	307	80	800	8.18	13.76	45.55	314	2.92	15.19	8.88	2.12	0.49	0.18	0.26	40	60	**252	<10
19913	BA-3	<10	8	4	0.034	53	249	336	80	800	7.54	8.31	47.01	81	0.56	20.99	10.13	2.51	0.58	0.11	0.11	44	40	**298	<10
19914	B-3	<10	23	10	0.332	900	272	185	40	1700	5.50	13.92	43.79	294	3.07	16.07	10.52	2.73	0.40	0.17	1.08	32	68	**282	<10
19915	B-3	<10	7	3	0.100	132	290	328	40	900	8.11	13.10	46.20	176	1.46	17.86	8.77	2.60	0.78	0.16	0.21	42	64	**306	<10
19916	B-3	167	389	57	0.152	800	590	1548	<20	380	16.46	17.57	42.08	332	1.36	13.27	6.41	1.77	<0.1	0.20	0.15	36	92	**219	<10
19917	B-3	28	63	26	0.492	2300	944	129	100	860	8.36	11.84	46.20	77	0.64	19.37	9.13	2.54	0.13	0.13	0.28	50	67	**306	<10
19918	B-3	<10	19	9	0.276	1200	423	148	40	1400	5.62	8.06	48.46	103	0.78	22.00	10.74	2.78	<0.1	0.10	0.22	48	46	**355	<10
19919	B-3	89	82	33	0.244	1700	706	126	60	980	8.47	11.81	47.03	89	0.85	18.83	8.81	2.46	0.22	0.14	0.27	50	69	**306	<10
19920	B-3	60	85	28	0.280	1800	998	143	60	1400	15.04	17.10	43.05	88	0.94	13.54	7.02	1.82	<0.1	0.20	0.26	36	105	**219	<10
19921	B-3	72	28	11	0.124	700	382	133	40	980	7.20	11.12	47.37	90	0.94	19.80	8.80	2.76	0.15	0.13	0.19	50	64	**325	<10
19922	B-3	<10	45	25	0.252	2000	931	127	80	800	14.77	15.84	43.40	57	0.47	15.07	7.31	1.96	<0.1	0.18	0.26	34	82	**228	<10
19923	B-3	<10	41	18	1.060	5400	1537	89	60	235	5.66	10.24	46.41	56	0.65	21.61	9.94	2.83	<0.1	0.10	0.57	42	55	**334	<10
19924	B-3	50	47	23	0.592	2400	801	140	40	1150	11.56	13.26	44.73	68	0.68	17.80	8.60	2.38	<0.1	0.14	0.34	44	72	**279	<10
19925	B-3	30	22	9	0.740	2500	734	196	60	840	8.29	13.27	46.17	112	0.97	18.48	8.68	2.57	<0.1	0.14	0.37	56	72	**284	<10
19926	B-3	26	10	6	0.644	900	527	289	60	520	7.11	9.78	47.90	51	0.52	21.23	9.21	2.86	<0.1	0.11	0.17	58	42	**325	<10
19927	B-3	<10	7	<1	0.044	55	259	389	80	540	8.73	13.08	46.35	106	0.96	18.58	8.98	2.62	<0.1	0.15	0.12	73	46	**276	<10
19928	B-3	36	36	35	0.236	2000	541	155	60	410	12.34	13.65	44.63	42	0.42	16.99	7.76	2.44	<0.1	0.16	0.26	78	40	**259	<10
19929	B-3	<10	3	<1	0.052	165	203	198	80	1050	7.30	13.60	47.21	208	2.32	15.82	8.72	2.54	<0.1	0.17	0.27	65	42	**256	<10
19930	B-3	<10	6	5	0.048	285	266	415	60	1000	7.27	14.63	45.26	273	1.85	17.30	8.34	2.69	<0.1	0.17	0.21	64	48	**281	<10
19931	B-3	15	<2	3	0.060	225	120	412	40	2100	5.88	15.60	43.10	718	8.47	11.42	11.40	2.23	<0.1	0.20	0.20	70	50	**186	<10
19932	B-3	23	3	4	0.080	225	101	278	60	800	6.16	14.30	46.14	338	4.10	14.46	9.92	2.73	<0.1	0.18	0.30	66	62	**235	<10
19933	B-3	<10	4	2	0.048	136	163	125	60	1000	6.12	13.17	47.52	179	2.21	17.68	8.64	3.01	<0.1	0.16	0.30	52	60	**278	<10
19934	B-3	<10	16	<1	0.056	96	197	207	80	1000	6.24	13.31	46.99	171	2.30	18.21	8.72	2.87	0.14	0.16	0.23	58	58	**285	<10
19935	B-3	<10	5	<1	0.168	175	126	152	80	1750	5.19	16.87	44.89	384	3.88	14.11	8.79	2.92	0.39	0.20	0.83	70	100	**229	<10
19936	B-3	<10	4	2	0.024	77	206	168	60	740	6.27	10.77	48.76	123	1.44	18.97	8.89	2.94	0.51	0.13	0.16	60	66	**293	<10
19937	W-5	64	32	19	0.120	500	286	196	60	1200	6.44	11.36	46.98	135	1.57	19.16	8.75	2.93	0.40	0.14	0.22	59	66	**323	<10
19938	W-5	46	19	10	0.080	450	240	131	60	1750	6.46	12.19	46.80	112	1.34	18.77	9.11	2.95	0.27	0.15	0.26	63	60	**296	<10
19939	W-5	<10	15	6	0.060	240	116	540	60	1350	5.32	11.01	47.97	206	1.88	18.50	9.03	3.18	0.42	0.13	0.26	59	70	**296	<10
19940	W-5	<10	17	5	0.140	600	265	184	80	1450	6.74	14.67	46.41	245	2.48	15.93	8.74	2.83	0.40	0.18	0.31	88	76	**255	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6j

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19941	W-5	26	11	3	0.036	210	592	169	80	1400	16.83	17.44	42.72	<0.2	122	134	<1	1	<1	1	<1	10	7	**50
19942	W-5	32	61	21	0.664	4400	1081	139	60	1700	11.63	14.19	44.15	2.0	105	122	<1	1	<1	11	1	8	7	**69
19943	W-5	51	68	25	0.684	2800	1803	150	60	2000	12.80	15.55	44.33	1.2	130	130	1	1	<1	1	1	14	10	**64
19944	W-5	53	84	35	1.180	3700	1168	121	40	1200	10.10	17.72	46.77	1.6	139	134	<1	4	<1	1	<1	9	9	**56
19945	W-5	<10	32	16	0.016	3200	1185	548	20	1400	7.41	16.82	44.36	1.2	135	119	<1	7	<1	<1	<1	15	16	**81
19946	W-5	35	83	26	9.300	5700	1107	227	20	1300	5.24	18.61	45.43	2.2	123	177	3	3	<1	1	<1	17	22	**68
19947	A-2	97	169	52	0.632	3200	1160	491	20	1500	9.00	17.45	40.90	2.6	150	150	2	10	<1	1	1	25	4	**46
19948	A-2	67	193	65	0.588	2000	863	214	40	1550	11.46	16.92	41.63	1.0	143	147	1	8	<1	1	<1	12	3	**26
19949	A-2	46	79	20	0.180	1000	619	179	20	600	9.73	14.34	43.98	0.2	108	113	<1	6	<1	1	<1	10	5	**24
19950	A-2	36	64	19	0.316	1200	690	150	20	1500	11.99	15.71	44.54	0.4	98	121	<1	7	<1	1	<1	14	12	**33
19951	A-2	92	78	14	0.040	1500	710	251	<20	1400	11.34	13.44	44.68	0.4	119	134	1	4	<1	1	<1	14	7	**18
19952	A-2	45	98	18	0.620	1850	965	208	40	540	11.53	25.34	38.35	0.2	213	187	<1	9	<1	1	<1	11	9	**27
19953	A-2	83	201	49	3.064	3300	944	326	60	430	11.88	25.14	40.40	4.4	207	219	2	10	<1	1	<1	29	9	**44
19955	A-2	<10	42	2	0.592	1500	239	382	40	940	4.68	7.95	48.93	6.0	45	81	27	9	<1	1	1	21	19	**109
19956	A-2	16	23	4	0.168	220	324	148	40	1400	9.47	11.87	43.89	<0.2	65	87	<1	2	<1	<1	<1	10	21	**82
19957	A-2	33	25	20	0.960	500	284	220	120	680	8.23	13.54	45.88	<0.2	74	119	<1	5	<1	1	<1	13	18	**75
19959	A-2	31	41	4	0.052	370	435	227	40	800	9.52	12.14	45.19	<0.2	92	134	<1	1	<1	1	<1	9	14	**81
19960	A-2	<10	13	5	0.096	210	332	168	60	430	11.33	15.49	44.10	<0.2	81	130	<1	1	<1	1	<1	16	17	**103
19961	A-2	26	12	5	0.028	170	339	199	80	680	8.86	14.37	44.87	<0.2	89	135	<1	1	<1	<1	<1	15	18	**97
19962	A-2	39	61	9	0.080	255	262	179	80	480	10.21	15.39	44.87	<0.2	79	115	<1	1	<1	<1	<1	14	25	**128
19963	A-2	<10	30	8	0.060	205	324	183	100	390	8.93	14.11	45.19	<0.2	80	130	<1	5	<1	<1	<1	15	23	**125
19964	A-2	39	51	8	0.048	360	388	147	60	275	8.82	14.45	45.99	<0.2	88	127	<1	1	<1	<1	<1	14	24	**118
19965	A-2	71	86	10	0.026	800	436	169	60	580	9.15	15.44	44.92	<0.2	83	130	<1	1	<1	1	1	18	22	**141
19966	A-2	29	69	11	0.108	380	361	139	60	335	9.33	15.27	45.18	<0.2	77	96	<1	1	<1	1	<1	15	23	**116
19967	A-2	20	61	10	0.720	290	345	130	60	530	8.90	14.58	44.87	<0.2	70	140	<1	1	<1	1	1	16	33	**196
19968	A-2	26	47	7	0.108	310	299	112	60	355	7.12	13.09	46.45	<0.2	70	123	<1	1	<1	<1	<1	16	20	**127
19970	A-2	<10	23	5	0.068	175	188	120	80	610	6.76	13.99	47.14	<0.2	67	127	1	1	<1	1	<1	20	43	**210
19971	A-2	23	17	6	0.080	240	209	196	40	355	7.66	15.68	45.78	<0.2	76	134	<1	1	<1	1	<1	21	31	**159
19972	A-2	<10	22	6	0.048	200	284	165	80	290	8.00	13.13	45.73	<0.2	70	110	<1	1	<1	1	<1	14	22	**118
19973	A-2	16	71	8	0.076	370	367	125	40	710	8.42	13.68	45.37	<0.2	71	121	<1	1	<1	1	<1	12	22	**104
19974	A-2	<10	48	78	0.068	500	389	935	40	500	8.17	13.85	45.85	<0.2	72	120	<1	1	<1	1	<1	14	24	**145
19975	A-4	43	108	38	0.100	1200	541	229	60	115	15.04	19.40	40.56	0.2	132	154	<1	2	<1	1	<1	*	15	22
19976	A-4	60	141	39	0.340	1400	580	644	40	320	17.07	26.93	32.74	0.4	193	170	<1	3	<1	<1	<1	*	7	50
19977	A-4	53	71	26	0.804	900	414	555	40	167	14.58	22.97	35.50	0.2	156	151	<1	1	<1	<1	<1	*	9	34
19978	A-4	45	83	22	0.604	900	439	472	20	190	16.22	26.09	33.84	<0.2	174	171	<1	4	<1	<1	<1	*	<1	24
19979	A-4	40	80	24	0.704	700	362	287	40	213	18.53	28.02	35.04	<0.2	180	171	<1	2	<1	1	<1	*	4	22
19980	A-4	47	105	38	0.120	1500	499	280	60	320	19.50	29.21	34.30	0.8	192	177	<1	4	<1	<1	<1	*	6	20
19981	A-4	20	68	23	0.940	700	322	554	80	213	15.89	24.99	33.53	<0.2	167	149	<1	4	<1	1	<1	*	2	29
19982	A-4	59	83	25	0.624	900	446	542	60	160	18.47	28.65	32.29	0.4	189	154	<1	2	<1	<1	<1	*	<1	27
19983	A-4	96	323	35	0.832	2200	414	705	80	275	16.91	28.51	33.47	0.6	199	180	<1	4	<1	1	<1	*	7	46

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Results requested but not received
** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6k

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19941	W-5	26	11	3	0.036	210	592	169	80	1400	16.83	17.44	42.72	83	0.78	12.80	6.16	1.82	<0.1	0.20	0.14	100	50	**193	<10
19942	W-5	32	61	21	0.664	4400	1081	139	60	1700	11.63	14.19	44.15	65	0.73	16.81	7.84	2.34	<0.1	0.15	0.53	90	60	**261	<10
19943	W-5	51	68	25	0.684	2800	1803	150	60	2000	12.80	15.55	44.33	117	0.98	15.29	6.46	1.95	0.17	0.16	0.39	85	68	**222	<10
19944	W-5	53	84	35	1.180	3700	1168	121	40	1200	10.10	17.72	46.77	100	0.83	15.11	6.81	1.95	<0.1	0.15	0.40	100	58	**232	<10
19945	W-5	<10	32	16	0.016	3200	1185	548	20	1400	7.41	16.82	44.36	302	1.38	16.03	7.04	2.72	0.51	0.16	0.45	78	76	**211	<10
19946	W-5	35	83	26	9.300	5700	1107	227	20	1300	5.24	18.61	45.43	235	1.88	14.35	7.97	2.12	0.67	0.18	0.60	60	72	**221	<10
19947	A-2	97	169	52	0.632	3200	1160	491	20	1500	9.00	17.45	40.90	544	4.70	15.21	6.89	1.06	0.88	0.17	0.42	64	92	**364	<10
19948	A-2	67	193	65	0.588	2000	863	214	40	1550	11.46	16.92	41.63	170	1.26	16.66	6.91	1.09	0.43	0.18	0.29	86	56	**258	<10
19949	A-2	46	79	20	0.180	1000	619	179	20	600	9.73	14.34	43.98	99	1.00	17.93	8.48	1.76	0.21	0.15	0.22	72	44	**283	<10
19950	A-2	36	64	19	0.316	1200	690	150	20	1500	11.99	15.71	44.54	162	1.38	15.98	7.65	1.19	0.23	0.17	0.24	53	44	**270	<10
19951	A-2	92	78	14	0.040	1500	710	251	<20	1400	11.34	13.44	44.68	144	0.86	17.55	9.18	1.35	<0.1	0.16	0.28	48	40	**277	<10
19952	A-2	45	98	18	0.620	1850	965	208	40	540	11.53	25.34	38.35	145	1.01	14.09	6.81	1.03	<0.1	0.17	0.24	70	28	**227	<10
19953	A-2	83	201	49	3.064	3300	944	326	60	430	11.88	25.14	40.40	360	2.60	12.96	5.83	0.79	0.12	0.19	0.41	75	32	**168	<10
19955	A-2	<10	42	2	0.592	1500	239	382	40	940	4.68	7.95	48.93	199	1.56	19.65	12.44	3.07	0.52	0.10	0.40	38	64	**293	<10
19956	A-2	16	23	4	0.168	220	324	148	40	1400	9.47	11.87	43.89	119	1.30	16.56	10.79	1.70	0.42	0.14	0.22	56	56	**185	<10
19957	A-2	33	25	20	0.960	500	284	220	120	680	8.23	13.54	45.88	155	2.41	15.59	8.50	2.64	1.12	0.17	0.32	55	100	**240	<10
19959	A-2	31	41	4	0.052	370	435	227	40	800	9.52	12.14	45.19	121	1.90	16.78	10.79	1.88	0.82	0.16	0.22	67	40	**207	<10
19960	A-2	<10	13	5	0.096	210	332	168	60	430	11.33	15.49	44.10	194	2.10	14.20	8.42	2.21	0.70	0.20	0.19	64	54	**232	<10
19961	A-2	26	12	5	0.028	170	339	199	80	680	8.86	14.37	44.87	200	1.61	15.36	8.85	2.47	0.94	0.18	0.23	63	48	**226	<10
19962	A-2	39	61	9	0.080	255	262	179	80	480	10.21	15.39	44.87	157	1.75	15.14	8.07	2.37	0.48	0.19	0.20	52	50	**249	<10
19963	A-2	<10	30	8	0.060	205	324	183	100	390	8.93	14.11	45.19	165	1.77	15.86	8.43	2.52	0.86	0.18	0.23	52	60	**244	<10
19964	A-2	39	51	8	0.048	360	388	147	60	275	8.82	14.45	45.99	188	2.25	16.31	8.50	2.60	0.52	0.18	0.27	53	50	**238	<10
19965	A-2	71	86	10	0.026	800	436	169	60	580	9.15	15.44	44.92	216	2.00	14.66	8.38	2.27	0.81	0.19	0.26	57	66	**238	<10
19966	A-2	29	69	11	0.108	380	361	139	60	335	9.33	15.27	45.18	180	2.04	15.25	7.97	2.44	0.78	0.19	0.34	55	58	**263	<10
19967	A-2	20	61	10	0.720	290	345	130	60	530	8.90	14.58	44.87	175	1.91	15.76	8.46	2.44	0.78	0.18	0.28	60	80	**241	<10
19968	A-2	26	47	7	0.108	310	299	112	60	355	7.12	13.09	46.45	177	2.12	17.18	9.07	2.70	0.92	0.17	0.27	53	68	**277	<10
19970	A-2	<10	23	5	0.068	175	188	120	80	610	6.76	13.99	47.14	207	2.57	15.38	8.56	2.85	1.13	0.18	0.42	52	80	**242	<10
19971	A-2	23	17	6	0.080	240	209	196	40	355	7.66	15.68	45.78	246	2.96	14.62	8.53	2.63	1.08	0.20	0.34	62	68	**228	<10
19972	A-2	<10	22	6	0.048	200	284	165	80	290	8.00	13.13	45.73	159	1.57	17.29	8.87	2.67	0.70	0.16	0.25	60	60	**269	<10
19973	A-2	16	71	8	0.076	370	367	125	40	710	8.42	13.68	45.37	148	1.64	16.90	8.66	2.63	0.81	0.17	0.29	52	62	**262	<10
19974	A-2	<10	48	78	0.068	500	389	935	40	500	8.17	13.85	45.85	171	1.94	16.49	8.58	2.65	1.09	0.17	0.36	56	66	**252	<10
19975	A-4	43	108	38	0.100	1200	541	229	60	115	15.04	19.40	40.56	215	1.27	13.72	6.06	1.52	0.51	0.19	0.15	70	28	207	58
19976	A-4	60	141	39	0.340	1400	580	644	40	320	17.07	26.93	32.74	887	6.81	7.55	3.45	0.72	0.78	0.24	0.17	88	40	111	33
19977	A-4	53	71	26	0.804	900	414	555	40	167	14.58	22.97	35.50	747	5.80	11.95	5.34	0.95	0.68	0.21	0.12	72	32	175	39
19978	A-4	45	83	22	0.604	900	439	472	20	190	16.22	26.09	33.84	649	4.96	8.92	4.48	0.60	0.66	0.24	0.12	82	38	126	32
19979	A-4	40	80	24	0.704	700	362	287	40	213	18.53	28.02	35.04	395	2.78	7.50	3.32	0.59	0.39	0.26	0.10	92	32	98	19
19980	A-4	47	105	38	0.120	1500	499	280	60	320	19.50	29.21	34.30	370	2.52	6.20	3.08	0.53	0.68	0.27	0.16	95	26	85	22
19981	A-4	20	68	23	0.940	700	322	554	80	213	15.89	24.99	33.53	712	5.68	10.68	5.17	0.79	1.03	0.23	0.12	90	30	143	26
19982	A-4	59	83	25	0.624	900	446	542	60	160	18.47	28.65	32.29	661	5.08	6.86	3.29	0.52	0.66	0.27	0.13	120	30	92	18
19983	A-4	96	323	35	0.832	2200	414	705	80	275	16.91	28.51	33.47	818	6.13	6.29	3.29	0.75	0.96	0.27	0.23	105	44	85	77

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when done by ICAP whole rock package

TABLE 255-1-6l

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19984	A-4	37	89	24	0.448	700	459	691	100	370	18.17	29.34	31.46	<0.2	197	183	<1	2	<1	<1	1	*	3	33
19985	A-4	139	302	47	0.408	800	871	320	120	193	21.00	24.37	36.51	<0.2	164	150	<1	1	<1	1	<1	*	<1	< 10
19986	A-4	80	160	51	0.468	1000	796	217	80	145	23.55	30.83	32.81	<0.2	190	222	<1	1	<1	1	<1	*	<1	< 10
19987	A-4	63	445	277	0.676	1700	666	355	320	430	22.46	33.34	32.16	0.6	216	244	<1	2	<1	<1	1	*	<1	16
19988	A-4	41	139	35	1.186	1900	785	684	80	150	19.87	36.27	27.88	0.2	277	213	<1	4	<1	1	<1	*	<1	38
19989	A-4	32	144	33	0.840	2000	832	598	100	167	19.80	34.24	30.54	1.2	239	242	<1	6	<1	1	<1	*	2	50
19990	A-4	49	94	33	0.516	1150	793	296	500	550	20.78	33.35	30.99	0.4	199	219	<1	2	<1	1	<1	*	<1	19
19991	A-4	44	127	49	0.464	1200	881	256	140	213	22.13	33.07	34.89	2.2	190	234	<1	4	<1	1	1	*	<1	13
19992	A-4	48	232	70	0.772	2200	1025	261	140	145	22.56	34.79	30.18	1.0	242	239	<1	6	<1	1	<1	*	<1	16
19993	A-4	39	156	47	0.800	2000	869	251	120	125	21.87	35.10	29.83	0.4	254	233	<1	5	<1	1	<1	*	<1	16
19995	A-4	44	86	24	0.536	1200	619	582	140	150	22.25	35.65	30.03	0.2	217	247	<1	4	<1	1	<1	*	<1	15
19996	A-4	34	86	24	0.732	1200	769	1370	160	100	19.01	32.22	29.30	0.6	229	203	<1	4	<1	<1	<1	*	10	58
19997	A-4	40	93	36	0.840	1700	936	7000	160	105	20.06	37.09	27.06	0.6	268	284	<1	5	<1	<1	<1	*	3	36
19998	A-4	<10	58	19	0.492	900	676	2200	100	175	20.60	35.37	26.99	0.8	252	210	<1	2	<1	1	<1	*	<1	53
20000	A-4	19	49	19	0.200	700	567	2600	80	130	17.79	37.80	21.42	<0.2	258	195	<1	2	<1	<1	<1	*	<1	100
20001	A-4	16	17	3	0.028	375	459	2100	160	200	16.48	37.40	17.57	0.2	261	211	<1	1	<1	<1	2	*	<1	128
20002	A-4	28	39	18	0.096	500	598	2070	120	125	15.34	37.41	17.86	0.4	272	216	<1	1	<1	1	<1	*	<1	127
20003	A-4	16	28	5	0.284	500	556	2000	120	105	13.80	39.43	14.88	0.4	275	240	<1	1	<1	1	<1	*	<1	156
20004	A-4	30	34	8	0.240	700	626	1400	100	210	17.68	36.28	19.22	0.4	274	171	<1	1	<1	2	<1	*	<1	132
20005	A-4	20	48	18	0.216	1000	675	1300	60	320	16.77	36.00	20.28	0.8	273	216	<1	3	<1	1	<1	*	2	130
20006	A-4	19	26	11	0.144	600	593	1400	60	420	16.32	36.37	20.59	1.6	268	194	<1	1	<1	<1	<1	*	<1	125
20007	A-4	<10	41	27	0.228	1000	671	1200	40	105	16.51	35.82	22.57	0.8	279	203	<1	1	<1	1	<1	*	5	112
20009	A-4	59	145	40	0.800	1700	816	750	80	245	19.69	36.00	30.81	1.0	240	254	<1	2	<1	1	<1	*	<1	34
20010	A-4	88	367	61	0.580	1600	920	790	60	100	19.57	37.30	29.51	1.0	266	263	<1	4	<1	1	<1	*	3	50
20011	A-4	69	250	85	0.808	2400	1155	510	80	50	18.67	32.24	34.61	1.4	249	242	<1	6	<1	1	1	*	<1	31
20012	A-4	20	52	13	0.140	700	372	400	80	900	9.11	19.28	39.01	<0.2	118	150	<1	2	<1	1	<1	*	4	33
20013	A-4	<10	36	15	0.204	800	381	380	100	430	9.05	19.49	39.05	<0.2	115	150	<1	2	<1	1	<1	*	<1	33
20014	A-4	<10	38	17	0.176	500	343	271	40	150	13.39	17.84	38.34	<0.2	84	124	1	2	<1	1	<1	*	2	23
20015	A-1	45	164	66	0.180	1400	505	193	60	450	8.16	14.78	46.33	0.6	85	141	<1	3	<1	1	<1	*	26	118
20016	A-1	15	13	12	1.068	450	139	538	60	130	7.00	18.58	42.47	<0.2	59	266	<1	6	<1	1	<1	*	6	155
20017	A-1	55	118	43	0.400	2700	569	273	20	250	6.65	15.25	47.28	1.0	78	140	<1	1	<1	1	<1	*	25	118
20019	A-1	77	134	22	0.152	800	348	127	60	440	6.84	15.28	47.82	<0.2	65	124	<1	1	<1	2	1	*	27	158
20020	A-1	<10	29	6	0.212	115	128	115	40	600	4.19	12.67	53.01	<0.2	51	165	<1	8	<1	1	<1	*	31	224
20021	A-1	<10	3	<1	0.048	60	60	182	<20	700	2.43	8.41	60.19	<0.2	23	194	<1	11	<1	1	<1	*	25	137
20022	3	<10	12	6	0.372	150	210	240	20	66	6.16	12.80	48.06	0.2	59	118	<1	1	<1	1	<1	*	18	90
20023	3	<10	12	7	0.360	220	236	275	20	320	6.04	14.49	49.26	<0.2	60	171	<1	2	<1	1	<1	*	23	134
20024	3	30	39	13	0.080	125	205	242	40	200	5.69	9.88	49.50	<0.2	48	89	<1	1	<1	1	1	*	14	65
20025	3	<10	4	8	0.092	270	80	123	20	240	5.18	16.49	46.89	<0.2	60	133	<1	1	<1	1	<1	*	35	150
20026	3	<10	23	9	0.600	260	112	148	40	290	4.66	14.77	48.54	<0.2	55	142	<1	1	<1	1	<1	*	40	250
20027	3	<10	70	20	0.076	500	185	114	40	410	5.23	14.36	48.27	<0.2	57	123	1	1	<1	1	1	*	34	218

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

* Results requested but not received

TABLE 255-1-6m

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19984	A-4	37	89	24	0.448	700	459	691	100	370	18.17	29.34	31.46	791	6.64	6.45	3.23	0.46	0.80	0.28	0.12	105	30	86	17
19985	A-4	139	302	47	0.408	800	871	320	120	193	21.00	24.37	36.51	153	0.88	6.62	2.90	0.58	0.58	0.27	0.10	105	28	78	22
19986	A-4	80	160	51	0.468	1000	796	217	80	145	23.55	30.83	32.81	194	1.03	2.04	1.51	0.17	0.48	0.30	0.12	135	26	28	<10
19987	A-4	63	445	277	0.676	1700	666	355	320	430	22.46	33.34	32.16	341	2.22	2.15	1.14	0.21	0.56	0.30	0.16	130	32	31	13
19988	A-4	41	139	35	1.186	1900	785	684	80	150	19.87	36.27	27.88	828	6.89	1.50	1.01	0.15	0.45	0.31	0.27	145	34	28	12
19989	A-4	32	144	33	0.840	2000	832	598	100	167	19.80	34.24	30.54	688	6.00	2.02	0.76	0.26	0.99	0.31	0.23	120	56	24	99
19990	A-4	49	94	33	0.516	1150	793	296	500	550	20.78	33.35	30.99	386	3.21	2.53	1.37	0.19	0.86	0.29	0.13	140	34	37	13
19991	A-4	44	127	49	0.464	1200	881	256	140	213	22.13	33.07	34.89	239	1.63	1.26	0.47	0.22	1.04	0.31	0.14	170	56	< 10	40
19992	A-4	48	232	70	0.772	2200	1025	261	140	145	22.56	34.79	30.18	328	2.46	0.36	0.47	0.07	0.60	0.31	0.21	100	36	< 10	13
19993	A-4	39	156	47	0.800	2000	869	251	120	125	21.87	35.10	29.83	315	2.52	0.46	0.33	0.05	0.58	0.23	0.17	125	32	< 10	<10
19995	A-4	44	86	24	0.536	1200	619	582	140	150	22.25	35.65	30.03	428	2.77	0.94	0.54	0.04	0.46	0.24	0.14	70	30	12	<10
19996	A-4	34	86	24	0.732	1200	769	1370	160	100	19.01	32.22	29.30	1120	9.83	0.97	2.64	0.18	0.60	0.30	0.15	86	30	18	22
19997	A-4	40	93	36	0.840	1700	936	7000	160	105	20.06	37.09	27.06	2233	6.67	0.69	0.64	0.05	0.66	0.27	0.20	72	30	< 10	29
19998	A-4	<10	58	19	0.492	900	676	2200	100	175	20.60	35.37	26.99	1191	9.66	0.22	0.60	0.03	0.49	0.29	0.11	130	33	< 10	<10
20000	A-4	19	49	19	0.200	700	567	2600	80	130	17.79	37.80	21.42	1878	19.35	0.19	0.56	0.04	0.51	0.34	0.11	155	36	< 10	<10
20001	A-4	16	17	3	0.028	375	459	2100	160	200	16.48	37.40	17.57	2215	23.50	0.02	0.62	0.04	0.82	0.35	0.08	140	36	< 10	<10
20002	A-4	28	39	18	0.096	500	598	2070	120	125	15.34	37.41	17.86	2364	24.48	0.18	0.95	0.04	0.69	0.36	0.08	125	28	< 10	<10
20003	A-4	16	28	5	0.284	500	556	2000	120	105	13.80	39.43	14.88	2786	28.72	0.05	0.66	0.04	0.28	0.37	0.08	120	36	< 10	24
20004	A-4	30	34	8	0.240	700	626	1400	100	210	17.68	36.28	19.22	2246	21.33	0.39	0.61	0.04	0.35	0.32	0.14	160	40	< 10	<10
20005	A-4	20	48	18	0.216	1000	675	1300	60	320	16.77	36.00	20.28	2193	21.36	0.42	0.33	0.03	0.27	0.32	0.13	130	40	< 10	<10
20006	A-4	19	26	11	0.144	600	593	1400	60	420	16.32	36.37	20.59	2156	21.50	0.85	0.36	0.04	0.37	0.33	0.10	90	46	< 10	11
20007	A-4	<10	41	27	0.228	1000	671	1200	40	105	16.51	35.82	22.57	1892	18.77	1.99	1.05	0.07	0.93	0.33	0.16	130	32	28	11
20009	A-4	59	145	40	0.800	1700	816	750	80	245	19.69	36.00	30.81	714	5.56	1.07	2.59	0.10	0.60	0.33	0.16	150	30	13	<10
20010	A-4	88	367	61	0.580	1600	920	790	60	100	19.57	37.30	29.51	875	8.48	1.39	1.58	0.11	0.55	0.34	0.17	150	32	20	13
20011	A-4	69	250	85	0.808	2400	1155	510	80	50	18.67	32.24	34.61	603	5.16	4.21	2.25	0.24	1.03	0.31	0.24	115	56	62	33
20012	A-4	20	52	13	0.140	700	372	400	80	900	9.11	19.28	39.01	455	4.03	16.04	7.87	0.70	1.35	0.19	0.14	80	76	206	93
20013	A-4	<10	36	15	0.204	800	381	380	100	430	9.05	19.49	39.05	469	4.13	15.48	8.19	0.75	1.19	0.20	0.14	80	48	204	77
20014	A-4	<10	38	17	0.176	500	343	271	40	150	13.39	17.84	38.34	238	1.94	14.73	6.34	0.52	1.55	0.18	0.14	80	100	198	248
20015	A-1	45	164	66	0.180	1400	505	193	60	450	8.16	14.78	46.33	183	1.78	16.42	8.48	2.50	1.19	0.17	0.39	72	70	233	204
20016	A-1	15	13	12	1.068	450	139	538	60	130	7.00	18.58	42.47	420	1.88	23.99	1.04	0.66	1.16	0.09	0.11	61	68	116	105
20017	A-1	55	118	43	0.400	2700	569	273	20	250	6.65	15.25	47.28	211	2.08	16.00	7.67	2.65	0.54	0.18	0.38	75	55	239	203
20019	A-1	77	134	22	0.152	800	348	127	60	440	6.84	15.28	47.82	183	2.09	16.08	7.68	2.74	0.59	0.19	0.35	75	72	246	233
20020	A-1	<10	29	6	0.212	115	128	115	40	600	4.19	12.67	53.01	226	2.76	16.66	4.46	2.07	2.75	0.14	0.36	55	420	451	565
20021	A-1	<10	3	<1	0.048	60	60	182	<20	700	2.43	8.41	60.19	157	0.86	17.40	0.67	1.60	4.95	0.04	0.18	30	1400	148	727
20022	3	<10	12	6	0.372	150	210	240	20	66	6.16	12.80	48.06	180	2.12	18.25	8.28	2.86	0.58	0.16	0.16	65	42	266	185
20023	3	<10	12	7	0.360	220	236	275	20	320	6.04	14.49	49.26	250	2.05	18.17	5.71	2.38	0.72	0.15	0.21	68	78	242	443
20024	3	30	39	13	0.080	125	205	242	40	200	5.69	9.88	49.50	88	0.88	21.40	8.52	3.33	0.19	0.11	0.17	40	48	315	162
20025	3	<10	4	8	0.092	270	80	123	20	240	5.18	16.49	46.89	525	4.19	13.55	11.08	2.61	0.25	0.20	0.26	80	62	210	202
20026	3	<10	23	9	0.600	260	112	148	40	290	4.66	14.77	48.54	235	3.00	16.77	8.41	3.11	0.68	0.19	0.41	60	82	247	264
20027	3	<10	70	20	0.076	500	185	114	40	410	5.23	14.36	48.27	211	2.51	16.78	8.40	2.96	0.73	0.18	0.37	60	70	247	237

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-6n

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20028	CN-1	<10	<2	<1	0.096	1000	1187	395	20	140	3.83	36.70	26.36	0.4	256	187	<1	5	<1	1	2	*	6	98
20029	CN-1	17	5	6	0.488	1100	676	748	40	24	7.49	40.09	20.31	0.4	271	192	<1	6	<1	1	<1	*	<1	135
20030	CN-1	24	80	46	0.836	1700	889	473	320	500	22.14	38.07	27.74	1.2	260	252	<1	10	<1	<1	<1	*	<1	51
20031	CN-1	<10	19	14	0.844	1900	845	414	460	89	16.97	32.03	26.84	0.6	227	144	<1	11	<1	1	<1	*	6	61
20032	CN-1	<10	10	9	1.268	2100	674	1310	460	450	13.24	39.57	17.56	0.4	298	185	<1	9	<1	<1	<1	*	<1	139
20033	CN-1	<10	7	4	0.244	1000	586	1190	260	400	17.64	39.74	21.17	<0.2	293	186	<1	5	<1	<1	<1	*	<1	95
20034	CN-1	49	97	25	0.776	1800	760	1300	500	160	18.88	39.37	23.26	0.4	294	251	<1	7	<1	<1	<1	*	2	87
20035	CN-1	20	57	12	0.684	1350	668	1100	100	138	18.90	39.24	23.70	0.4	289	213	<1	6	<1	<1	<1	*	<1	85
20036	CN-1	222	375	148	1.830	4500	963	430	40	210	18.23	36.25	33.47	2.6	224	218	<1	25	1	<1	<1	*	11	76
20037	CN-1	32	50	23	1.000	900	376	135	20	220	8.98	17.19	44.17	<0.2	118	80	<1	6	<1	<1	<1	*	2	15
20038	CN-1	<10	41	18	0.168	850	299	371	40	420	14.86	24.87	40.27	<0.2	144	126	<1	6	<1	<1	<1	*	6	23
20040	CN-1	33	64	18	12.300	800	494	462	40	140	8.53	27.66	38.36	<0.2	218	54	<1	28	<1	1	<1	*	<1	27
20042	CN-1	29	101	21	36.000	1600	621	452	20	100	10.41	40.37	32.73	0.4	267	188	<1	27	<1	1	<1	*	<1	16
20044	CN-1	<10	56	12	7.300	700	446	375	20	80	8.12	25.31	39.75	<0.2	201	107	<1	17	<1	2	2	*	<1	15
20046	CN-1	*	*	*	31.800	1800	464	300	60	100	16.15	33.92	32.11	0.4	235	162	<1	6	<1	<1	1	*	<1	10
20050	CN-1	<10	31	6	45.300	1700	1064	582	60	100	17.27	44.87	25.95	0.4	456	182	<1	11	<1	<1	<1	*	<1	13
20051	CN-1	<10	22	10	25.100	1300	686	1140	60	110	16.44	33.00	32.33	<0.2	304	186	<1	5	<1	1	<1	*	<1	<10
20052	CN-1	<10	23	8	52.960	1600	991	830	40	180	13.29	34.74	33.49	0.2	390	163	<1	11	<1	1	<1	*	<1	18
20056	CN-1	34	51	26	5.800	950	476	747	<20	100	13.27	21.64	42.86	<0.2	169	186	<1	18	<1	1	<1	*	2	22
20057	CN-1	27	37	23	8.100	1000	770	260	<20	500	8.43	22.65	43.75	0.2	211	117	<1	15	<1	1	1	*	4	27
20059	CN-1	54	75	59	1.770	1300	371	306	40	190	6.73	15.09	46.02	0.6	96	113	<1	15	<1	1	<1	*	7	23
20060	CN-1	16	28	13	1.990	800	404	332	<20	100	8.02	18.97	45.04	6.2	124	135	<1	15	1	1	<1	*	2	16
20061	CN-1	<10	23	12	24.200	700	476	191	20	145	14.13	23.80	41.48	0.4	167	162	<1	14	1	1	<1	*	<1	12
20062	CN-1	28	47	25	42.100	2100	1690	164	40	100	7.86	35.34	33.16	0.8	433	143	<1	15	<1	1	<1	*	2	16
20063	CN-1	<10	67	42	39.300	3000	1350	498	40	110	15.72	37.32	31.97	0.8	369	264	<1	17	<1	1	<1	*	<1	41
20064	CN-1	33	70	69	0.362	1500	1430	1560	40	110	18.30	40.89	30.28	0.4	420	265	<1	23	<1	<1	<1	*	2	16
20066	CN-1	22	40	41	2.960	800	239	1010	100	100	5.46	18.85	44.32	0.4	122	160	<1	19	<1	1	<1	*	11	110
20067	CN-1	<10	7	15	0.620	390	861	1200	20	165	14.90	31.28	36.05	0.2	283	191	<1	11	<1	<1	<1	*	6	29
20069	CN-1	<10	11	10	0.790	800	511	1160	80	175	16.50	35.90	26.61	0.2	249	240	<1	7	<1	<1	<1	*	2	74
20070	CN-1	<10	22	16	1.800	500	464	790	60	110	9.41	28.31	34.82	<0.2	178	180	<1	14	<1	1	<1	*	6	68
20071	CN-1	16	37	24	1.660	1600	595	618	120	70	17.52	33.25	31.29	1.2	246	188	<1	13	<1	<1	<1	32	7	46
20072	CN-1	49	81	57	1.340	2100	1283	477	240	160	21.51	39.42	31.88	1.4	335	217	1	16	<1	1	<1	23	5	35
20073	CN-1	58	111	120	1.330	2300	850	306	100	160	20.63	31.38	39.41	1.2	232	216	<1	14	<1	1	<1	27	5	19
20075	CN-1	<10	46	30	0.870	1400	946	317	100	50	16.80	23.83	39.22	0.4	203	123	<1	9	<1	1	<1	18	3	<10
20076	CN-1	54	75	76	0.560	1800	929	333	60	200	18.46	25.31	38.94	0.6	209	145	2	9	<1	1	<1	23	3	10
20077	CN-1	23	48	29	0.440	2700	1562	753	20	50	12.56	28.24	34.93	1.2	288	163	<1	15	<1	1	<1	36	6	51
20079	CN-1	42	80	48	0.510	2900	1087	316	<20	130	12.86	22.51	42.51	1.2	168	162	<1	14	1	1	<1	30	7	24
20080	CN-7	<10	3	6	0.480	400	325	477	20	370	8.84	24.07	39.00	<0.2	156	135	<1	3	<1	1	<1	69	28	229
20081	CN-7	<10	6	4	0.560	290	156	467	20	130	12.86	25.01	37.01	0.8	147	119	<1	1	<1	1	<1	81	19	130
20083	CN-7	<10	13	10	1.350	1200	468	415	40	190	8.90	24.93	37.55	0.6	166	124	<1	3	<1	1	<1	48	10	87

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Results requested but not received

TABLE 255-1-6o

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20028	CN-1	<10	<2	<1	0.096	1000	1187	395	20	140	3.83	36.70	26.36	838	14.05	1.89	1.89	0.29	<0.1	0.26	0.20	88	20	25	44
20029	CN-1	17	5	6	0.488	1100	676	748	40	24	7.49	40.09	20.31	1499	25.09	0.29	2.22	0.08	<0.1	0.40	0.15	105	28	14	16
20030	CN-1	24	80	46	0.836	1700	889	473	320	500	22.14	38.07	27.74	738	8.73	0.22	0.52	0.05	<0.1	0.34	0.19	140	26	< 10	<10
20031	CN-1	<10	19	14	0.844	1900	845	414	460	89	16.97	32.03	26.84	631	6.77	0.92	2.65	0.11	<0.1	0.30	0.29	125	32	16	29
20032	CN-1	<10	10	9	1.268	2100	674	1310	460	450	13.24	39.57	17.56	1738	23.84	0.14	2.05	0.08	<0.1	0.36	0.20	140	80	< 10	<10
20033	CN-1	<10	7	4	0.244	1000	586	1190	260	400	17.64	39.74	21.17	1477	17.99	0.18	0.69	0.08	0.18	0.36	0.13	150	72	< 10	<10
20034	CN-1	49	97	25	0.776	1800	760	1300	500	160	18.88	39.37	23.26	1376	16.12	< 0.02	0.58	0.04	0.24	0.37	0.18	150	70	< 10	<10
20035	CN-1	20	57	12	0.684	1350	668	1100	100	138	18.90	39.24	23.70	1272	15.23	0.05	0.62	0.04	0.25	0.36	0.15	200	72	< 10	<10
20036	CN-1	222	375	148	1.830	4500	963	430	40	210	18.23	36.25	33.47	576	5.89	1.76	3.99	0.21	0.37	0.35	0.57	165	78	34	35
20037	CN-1	32	50	23	1.000	900	376	135	20	220	8.98	17.19	44.17	119	0.91	17.36	7.14	2.04	0.36	0.16	0.14	95	80	262	69
20038	CN-1	<10	41	18	0.168	850	299	371	40	420	14.86	24.87	40.27	144	0.59	12.16	5.07	1.46	0.24	0.22	0.13	120	72	186	67
20040	CN-1	33	64	18	12.300	800	494	462	40	140	8.53	27.66	38.36	198	1.06	13.74	5.83	1.46	0.37	0.18	0.16	110	62	210	72
20042	CN-1	29	101	21	36.000	1600	621	452	20	100	10.41	40.37	32.73	246	0.56	7.09	3.35	0.57	0.16	0.22	0.23	200	50	111	32
20044	CN-1	<10	56	12	7.300	700	446	375	20	80	8.12	25.31	39.75	200	0.63	15.26	6.58	1.61	0.59	0.16	0.13	120	80	232	51
20046	CN-1	*	*	*	31.800	1800	464	300	60	100	16.15	33.92	32.11	206	0.40	8.66	4.02	0.73	0.37	0.20	0.17	170	44	134	30
20050	CN-1	<10	31	6	45.300	1700	1064	582	60	100	17.27	44.87	25.95	248	0.45	3.02	1.32	0.26	0.61	0.21	0.21	215	48	45	17
20051	CN-1	<10	22	10	25.100	1300	686	1140	60	110	16.44	33.00	32.33	341	0.63	8.64	3.71	0.79	0.23	0.18	0.15	145	48	133	30
20052	CN-1	<10	23	8	52.960	1600	991	830	40	180	13.29	34.74	33.49	470	0.83	9.45	2.34	0.40	0.64	0.15	0.19	130	22	89	30
20056	CN-1	34	51	26	5.800	950	476	747	<20	100	13.27	21.64	42.86	488	0.68	16.77	1.86	0.33	0.63	0.13	0.12	150	64	90	40
20057	CN-1	27	37	23	8.100	1000	770	260	<20	500	8.43	22.65	43.75	155	0.35	14.81	5.46	1.10	0.38	0.14	0.15	80	60	218	82
20059	CN-1	54	75	59	1.770	1300	371	306	40	190	6.73	15.09	46.02	175	0.49	19.93	7.16	1.84	0.30	0.12	0.17	60	64	285	116
20060	CN-1	16	28	13	1.990	800	404	332	<20	100	8.02	18.97	45.04	196	0.53	19.62	5.54	1.31	<0.1	0.13	0.12	85	72	216	73
20061	CN-1	<10	23	12	24.200	700	476	191	20	145	14.13	23.80	41.48	81	0.22	13.26	5.26	1.64	0.16	0.19	0.11	105	54	202	61
20062	CN-1	28	47	25	42.100	2100	1690	164	40	100	7.86	35.34	33.16	99	0.25	11.64	4.77	1.32	<0.1	0.14	0.27	145	40	175	56
20063	CN-1	<10	67	42	39.300	3000	1350	498	40	110	15.72	37.32	31.97	191	0.36	7.34	2.91	0.61	<0.1	0.19	0.35	150	44	120	74
20064	CN-1	33	70	69	0.362	1500	1430	1560	40	110	18.30	40.89	30.28	527	0.58	4.48	1.54	0.32	<0.1	0.22	0.19	135	40	60	39
20066	CN-1	22	40	41	2.960	800	239	1010	100	100	5.46	18.85	44.32	1023	9.35	12.33	7.23	0.66	<0.1	0.25	0.12	110	58	259	33
20067	CN-1	<10	7	15	0.620	390	861	1200	20	165	14.90	31.28	36.05	625	2.72	10.60	2.62	0.47	<0.1	0.22	0.12	70	66	156	39
20069	CN-1	<10	11	10	0.790	800	511	1160	80	175	16.50	35.90	26.61	1424	16.68	3.72	0.90	0.18	<0.1	0.31	0.11	120	64	42	27
20070	CN-1	<10	22	16	1.800	500	464	790	60	110	9.41	28.31	34.82	971	10.97	10.63	3.04	0.49	<0.1	0.26	0.11	100	60	173	35
20071	CN-1	16	37	24	1.660	1600	595	618	120	70	17.52	33.25	31.29	733	8.83	7.32	0.33	0.11	<0.1	0.27	0.23	140	60	11	19
20072	CN-1	49	81	57	1.340	2100	1283	477	240	160	21.51	39.42	31.88	487	5.64	0.63	0.21	0.04	<0.1	0.33	0.31	160	56	< 10	44
20073	CN-1	58	111	120	1.330	2300	850	306	100	160	20.63	31.38	39.41	207	1.14	4.61	1.96	0.21	<0.1	0.27	0.30	125	62	41	53
20075	CN-1	<10	46	30	0.870	1400	946	317	100	50	16.80	23.83	39.22	135	0.98	10.96	6.56	0.91	<0.1	0.23	0.24	135	60	163	32
20076	CN-1	54	75	76	0.560	1800	929	333	60	200	18.46	25.31	38.94	200	0.85	8.00	4.54	0.48	<0.1	0.26	0.25	120	58	89	24
20077	CN-1	23	48	29	0.440	2700	1562	753	20	50	12.56	28.24	34.93	808	7.41	9.05	5.50	0.50	<0.1	0.23	0.45	120	66	159	59
20079	CN-1	42	80	48	0.510	2900	1087	316	<20	130	12.86	22.51	42.51	336	2.03	11.03	6.85	0.86	<0.1	0.23	0.46	105	58	206	71
20080	CN-7	<10	3	6	0.480	400	325	477	20	370	8.84	24.07	39.00	956	9.53	5.88	9.06	0.69	0.83	0.25	0.29	100	100	83	168
20081	CN-7	<10	6	4	0.560	290	156	467	20	130	12.86	25.01	37.01	988	10.60	3.72	9.60	0.64	0.18	0.27	0.13	120	70	49	66
20083	CN-7	<10	13	10	1.350	1200	468	415	40	190	8.90	24.93	37.55	673	7.17	9.54	8.78	1.02	0.10	0.24	0.21	110	68	150	56

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

* Results requested but not received

TABLE 255-1-6p

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20084	CN-7	<10	17	10	0.470	900	477	192	20	115	6.99	17.56	42.37	0.2	117	105	<1	5	<1	1	<1	20	8	54
20085	CN-7	<10	14	7	0.280	1300	718	131	20	125	9.63	21.07	42.51	0.2	123	122	<1	2	<1	1	1	10	<1	21
20086	CN-7	<10	15	10	0.520	1800	894	107	40	290	8.34	19.06	41.65	0.4	139	120	<1	3	<1	1	<1	13	<1	30
20088	CN-7	<10	5	5	0.300	700	410	141	20	135	8.08	19.21	42.80	<0.2	107	114	<1	3	<1	1	<1	23	15	78
20090	CN-7	<10	8	5	0.210	600	416	253	60	680	7.65	17.57	42.90	<0.2	103	122	1	3	<1	1	<1	20	4	36
20091	CN-7	<10	<2	3	0.140	240	243	264	20	130	5.31	10.65	46.54	<0.2	62	68	<1	2	<1	1	<1	11	<1	30
20092	CN-7	<10	<2	4	0.490	210	279	364	20	700	9.19	25.55	38.10	<0.2	151	141	<1	3	<1	1	<1	36	10	69
20093	CN-7	<10	6	5	0.430	400	277	360	20	170	14.07	28.28	37.54	<0.2	158	169	<1	3	<1	1	1	70	19	84
20094	CN-7	<10	4	3	0.220	380	295	373	20	150	8.08	22.63	39.15	<0.2	134	140	<1	3	<1	1	<1	21	10	61
20095	CN-7	<10	6	4	1.090	600	505	360	20	110	8.97	27.46	36.33	<0.2	190	150	<1	5	<1	1	<1	36	8	65
20096	CN-7	<10	<2	<1	0.120	115	265	436	20	150	8.32	21.96	40.50	<0.2	127	136	<1	2	<1	1	1	27	15	79
20098	CN-7	<10	6	3	0.610	240	234	552	20	115	13.90	33.36	32.77	<0.2	195	179	<1	2	<1	<1	<1	48	9	81
20099	CN-7	<10	6	5	1.270	400	425	616	40	210	9.63	33.74	32.01	<0.2	223	179	<1	5	<1	1	<1	42	13	101
20100	CN-7	<10	5	<1	0.670	235	260	559	20	190	8.90	27.10	36.59	<0.2	158	154	1	3	<1	<1	<1	48	16	86
20101	CN-7	<10	4	<1	0.260	125	255	444	60	120	7.56	18.06	41.09	<0.2	106	114	<1	1	<1	1	<1	23	7	58
20102	CN-7	74	202	58	0.120	1500	924	95	440	50	22.41	26.61	34.58	<0.2	184	167	<1	1	<1	1	1	9	<1	16
20103	CN-7	90	205	59	1.120	2400	1104	289	460	85	21.09	37.63	30.17	1.2	251	283	<1	4	<1	1	1	23	4	52
20105	CN-7	43	150	57	1.690	2300	768	1190	80	175	18.43	40.76	21.97	0.8	300	251	<1	8	<1	1	<1	37	<1	99
20106	CN-7	<10	71	29	2.200	1500	551	1336	420	155	18.49	41.54	20.81	0.4	332	229	<1	5	<1	1	1	37	<1	96
20107	CN-7	<10	42	13	22.000	2100	987	1010	60	340	18.21	45.66	20.93	0.4	374	183	<1	7	<1	1	2	30	<1	64
20108	CN-7	<10	78	30	43.800	3100	1317	933	60	130	16.94	49.00	19.00	0.4	468	200	<1	17	<1	1	1	22	<1	61
20109	CN-7	<10	88	22	15.000	1400	628	1046	60	155	19.13	44.01	22.03	0.2	348	213	<1	5	<1	1	<1	27	<1	64
20110	CN-7	127	57	10	8.400	2500	521	1232	40	125	16.77	44.74	20.36	0.6	344	255	<1	5	<1	1	1	35	<1	85
20111	CN-7	<10	49	28	5.700	1550	887	1203	100	140	17.76	43.18	20.97	0.2	339	207	<1	7	<1	<1	1	35	<1	83
20112	CN-7	17	63	44	1.890	1500	876	1007	120	53	17.29	39.83	24.09	0.4	291	209	<1	8	<1	1	1	32	<1	74
20113	CN-7	<10	52	26	8.800	1700	1056	2261	120	53	14.68	36.20	27.99	<0.2	284	163	<1	6	<1	1	<1	19	<1	44
20114	CN-7	<10	39	21	1.820	1250	6406	1690	60	42	9.65	23.32	36.76	<0.2	165	132	<1	8	<1	1	1	10	<1	32
20115	CN-7	<10	16	10	0.870	600	655	3764	80	23	8.77	19.67	39.57	<0.2	148	123	<1	6	<1	1	1	14	<1	24
20116	CN-7	<10	20	10	0.910	700	598	1336	80	37	8.62	19.62	38.45	<0.2	132	107	<1	4	<1	1	1	10	<1	26
20117	CN-7	<10	13	11	0.930	1000	639	3245	60	100	8.18	19.32	38.23	0.6	139	134	<1	4	<1	1	<1	9	<1	24
20118	CN-7	<10	23	15	0.700	700	562	5821	100	31	11.02	21.11	37.36	<0.2	133	154	<1	3	<1	1	<1	18	6	28
20119	CN-7	<10	12	6	0.880	750	844	10418	100	28	12.56	26.95	33.68	<0.2	180	167	<1	3	<1	1	<1	16	<1	23
20120	CN-7	19	40	43	0.340	1200	981	787	20	155	11.73	17.10	48.22	0.4	119	172	<1	48	7	<1	<1	24	10	19
20121	CN-7	<10	36	21	6.500	1400	837	594	<20	40	9.39	19.70	43.71	<0.2	162	142	<1	11	<1	1	<1	35	<1	18
20122	CN-7	<10	69	41	34.700	330	1756	1052	20	44	14.58	30.57	41.02	<0.2	281	235	<1	28	<1	2	<1	62	6	16
20123	CN-7	<10	27	13	0.800	500	499	639	40	70	13.24	18.01	47.40	<0.2	107	139	<1	19	<1	1	<1	41	6	22
20124	CN-7	<10	11	7	30.900	2600	357	163	40	37	9.50	13.01	46.62	<0.2	84	95	<1	5	<1	1	<1	9	4	16
20125	CN-7	<10	43	22	6.800	1300	1898	329	40	47	7.23	27.69	35.64	<0.2	369	112	<1	14	<1	1	<1	20	2	20
20126	CN-7	22	40	25	5.700	2300	585	388	<20	39	7.71	15.61	45.40	<0.2	130	91	<1	18	<1	2	1	30	7	20
20128	CN-7	24	25	19	5.600	800	368	536	<20	31	6.53	16.41	46.71	<0.2	93	156	<1	14	1	1	<1	41	5	24
20129	CN-7	<10	27	15	0.690	600	394	545	20	44	11.79	16.68	47.98	<0.2	79	157	<1	11	2	1	<1	43	7	17
20130	CN-7	<10	28	11	0.610	375	399	400	<20	60	8.74	13.52	48.46	<0.2	67	117	<1	7	1	1	<1	33	5	21
20131	CN-7	26	97	61	1.750	3000	884	685	<20	37	11.79	18.49	48.30	1.2	124	193	<1	11	5	1	<1	52	10	11

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-q

Project 255-1
Gabbro Analytical Package Results
For Basal Contact Zone of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20084	CN-7	<10	17	10	0.470	900	477	192	20	115	6.99	17.56	42.37	297	3.90	16.10	8.31	2.37	0.78	0.18	0.24	68	60	277	96
20085	CN-7	<10	14	7	0.280	1300	718	131	20	125	9.63	21.07	42.51	96	0.71	14.76	6.73	1.91	0.62	0.21	0.24	115	60	251	82
20086	CN-7	<10	15	10	0.520	1800	894	107	40	290	8.34	19.06	41.65	207	2.12	15.74	7.27	2.12	0.60	0.18	0.34	95	60	270	95
20088	CN-7	<10	5	5	0.300	700	410	141	20	135	8.08	19.21	42.80	247	2.92	14.35	7.95	1.75	0.92	0.20	0.25	100	90	225	116
20090	CN-7	<10	8	5	0.210	600	416	253	60	680	7.65	17.57	42.90	297	3.03	16.36	8.66	2.20	0.54	0.18	0.19	48	52	282	89
20091	CN-7	<10	<2	3	0.140	240	243	264	20	130	5.31	10.65	46.54	160	1.26	21.17	9.42	2.87	0.78	0.11	0.15	36	52	354	128
20092	CN-7	<10	<2	4	0.490	210	279	364	20	700	9.19	25.55	38.10	637	5.61	10.51	7.98	1.13	0.46	0.26	0.15	80	52	181	61
20093	CN-7	<10	6	5	0.430	400	277	360	20	170	14.07	28.28	37.54	741	6.05	3.90	8.50	0.52	0.39	0.31	0.20	115	65	59	54
20094	CN-7	<10	4	3	0.220	380	295	373	20	150	8.08	22.63	39.15	402	4.88	13.52	7.62	1.52	0.98	0.22	0.22	58	46	233	86
20095	CN-7	<10	6	4	1.090	600	505	360	20	110	8.97	27.46	36.33	539	5.77	9.50	7.95	1.03	0.88	0.27	0.26	72	44	170	56
20096	CN-7	<10	<2	<1	0.120	115	265	436	20	150	8.32	21.96	40.50	405	4.68	12.32	8.07	1.65	0.96	0.23	0.24	56	44	229	91
20098	CN-7	<10	6	3	0.610	240	234	552	20	115	13.90	33.36	32.77	736	8.48	4.24	6.28	0.45	0.78	0.34	0.13	90	56	78	28
20099	CN-7	<10	6	5	1.270	400	425	616	40	210	9.63	33.74	32.01	823	9.99	5.11	5.85	0.63	0.90	0.32	0.33	105	68	87	64
20100	CN-7	<10	5	<1	0.670	235	260	559	20	190	8.90	27.10	36.59	721	7.44	8.67	8.07	0.93	0.75	0.27	0.25	105	70	146	73
20101	CN-7	<10	4	<1	0.260	125	255	444	60	120	7.56	18.06	41.09	387	3.88	16.00	9.33	1.66	1.08	0.18	0.20	67	72	272	81
20102	CN-7	74	202	58	0.120	1500	924	95	440	50	22.41	26.61	34.58	80	0.33	6.17	2.71	0.51	0.74	0.27	0.29	78	32	91	29
20103	CN-7	90	205	59	1.120	2400	1104	289	460	85	21.09	37.63	30.17	357	3.92	1.15	1.45	0.14	0.71	0.34	0.42	120	60	23	31
20105	CN-7	43	150	57	1.690	2300	768	1190	80	175	18.43	40.76	21.97	1368	15.29	0.10	0.55	0.05	0.50	0.33	0.37	130	58	< 10	12
20106	CN-7	<10	71	29	2.200	1500	551	1336	420	155	18.49	41.54	20.81	1652	16.66	< 0.02	0.37	0.03	0.46	0.32	0.26	138	78	< 10	<10
20107	CN-7	<10	42	13	22.000	2100	987	1010	60	340	18.21	45.66	20.93	1280	12.68	0.38	0.39	0.08	0.36	0.30	0.36	150	76	11	<10
20108	CN-7	<10	78	30	43.800	3100	1317	933	60	130	16.94	49.00	19.00	1145	11.19	0.19	0.35	0.07	0.99	0.27	0.69	200	66	12	13
20109	CN-7	<10	88	22	15.000	1400	628	1046	60	155	19.13	44.01	22.03	1207	12.45	0.15	0.32	0.05	0.63	0.31	0.27	160	70	< 10	13
20110	CN-7	127	57	10	8.400	2500	521	1232	40	125	16.77	44.74	20.36	1366	15.03	0.53	0.56	0.07	0.49	0.31	0.45	160	80	16	11
20111	CN-7	<10	49	28	5.700	1550	887	1203	100	140	17.76	43.18	20.97	1398	15.31	0.38	0.51	0.08	0.59	0.31	0.30	150	80	14	10
20112	CN-7	17	63	44	1.890	1500	876	1007	120	53	17.29	39.83	24.09	1125	12.46	2.22	1.41	0.20	0.71	0.30	0.32	135	80	41	39
20113	CN-7	<10	52	26	8.800	1700	1056	2261	120	53	14.68	36.20	27.99	988	6.72	7.52	4.02	0.46	0.73	0.25	0.29	110	56	108	21
20114	CN-7	<10	39	21	1.820	1250	6406	1690	60	42	9.65	23.32	36.76	603	2.80	16.03	8.35	0.96	1.13	0.18	0.25	60	40	226	34
20115	CN-7	<10	16	10	0.870	600	655	3764	80	23	8.77	19.67	39.57	865	2.52	17.18	8.62	1.16	0.83	0.16	0.15	61	56	268	39
20116	CN-7	<10	20	10	0.910	700	598	1336	80	37	8.62	19.62	38.45	474	2.50	18.42	9.59	1.00	0.82	0.16	0.17	46	42	273	38
20117	CN-7	<10	13	11	0.930	1000	639	3245	60	100	8.18	19.32	38.23	642	2.35	18.70	9.60	0.99	0.78	0.15	0.21	44	26	270	44
20118	CN-7	<10	23	15	0.700	700	562	5821	100	31	11.02	21.11	37.36	1464	4.65	15.23	8.47	0.91	<0.1	0.19	0.15	59	48	221	42
20119	CN-7	<10	12	6	0.880	750	844	10418	100	28	12.56	26.95	33.68	2079	5.36	13.13	6.26	0.69	<0.1	0.22	0.16	74	40	183	27
20120	CN-7	19	40	43	0.340	1200	981	787	20	155	11.73	17.10	48.22	360	1.44	13.90	5.82	0.98	0.58	0.15	0.20	43	44	195	133
20121	CN-7	<10	36	21	6.500	1400	837	594	<20	40	9.39	19.70	43.71	371	1.37	15.97	6.23	0.86	<0.1	0.14	0.22	52	34	230	49
20122	CN-7	<10	69	41	34.700	330	1756	1052	20	44	14.58	30.57	41.02	774	0.68	6.26	2.19	0.36	<0.1	0.17	0.39	37	40	106	22
20123	CN-7	<10	27	13	0.800	500	499	639	40	70	13.24	18.01	47.40	430	0.87	12.93	6.10	1.29	0.23	0.18	0.14	45	36	187	69
20124	CN-7	<10	11	7	30.900	2600	357	163	40	37	9.50	13.01	46.62	62	0.39	19.76	9.18	2.08	<0.1	0.13	0.12	115	38	295	88
20125	CN-7	<10	43	22	6.800	1300	1898	329	40	47	7.23	27.69	35.64	210	0.93	12.49	7.40	1.45	0.19	0.14	0.45	60	40	209	65
20126	CN-7	22	40	25	5.700	2300	585	388	<20	39	7.71	15.61	45.40	287	1.26	15.54	10.91	1.99	0.10	0.15	0.20	118	40	307	69
20128	CN-7	24	25	19	5.600	800	368	536	<20	31	6.53	16.41	46.71	358	0.99	20.05	6.57	0.90	<0.1	0.13	0.14	45	34	329	47
20129	CN-7	<10	27	15	0.690	600	394	545	20	44	11.79	16.68	47.98	394	0.69	16.26	5.65	0.86	0.18	0.15	0.12	37	30	193	83
20130	CN-7	<10	28	11	0.610	375	399	400	<20	60	8.74	13.52	48.46	273	0.74	18.58	8.34	1.71	0.31	0.14	0.12	36	40	325	83
20131	CN-7	26	97	61	1.750	3000	884	685	<20	37	11.79	18.49	48.30	538	0.36	12.70	5.96	1.00	<0.1	0.15	0.35	44	30	208	65

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-6r

Project 255-1
"Granite" Analyses of Basal Portion
of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Mo	Sc	Y	Zr	Th
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19716	32718	<10	4	<1	0.084	21	134	210	20	2300	4.19	7.52	61.95	<0.2	48	66	<1	<1	<1			6	19	31	81	6.0
19717	32718	<10	3	<1	0.056	8	137	159	40	3050	4.97	8.52	61.73	<0.2	54	78	<1	<1	<1			4	24	43	87	7.0
19718	32718	<10	9	<1	0.118	11	218	139	20	2100	8.25	13.80	52.89	<0.2	77	112	<1	<1	<1			4	25	47	148	5.0
19719	32718	<10	<2	<1	0.039	15	221	135	20	4200	8.17	14.04	54.14	<0.2	81	123	<1	<1	<1			4	24	46	131	5.8
19720	32718	<10	<2	<1	0.017	390	218	110	40	1600	7.48	16.12	48.84	0.2	87	104	<1	<1	<1			2	20	26	106	2.0
19723	32718	<10	<2	<1	0.023	74	233	96	60	2000	6.10	11.70	57.46	<0.2	69	111	<1	1	<1			6	27	40	147	7.7
19730	DU-7	<10	<2	<1	0.084	9	21	964	20	920	0.95	2.18	72.51	0.2	18	27	<1	<1	<1			4	2	12	64	14.0
19761	NM-3	<10	6	<1	0.051	420	12	97	40	450	2.40	10.27	57.57	0.4	36	64	<1	<1	<1			4	18	10	23	3.7
19807	D-6A	<10	<2	<1	0.011	14	18	56	140	260	1.75	5.00	59.74	<0.2	15	35	<1	1	<1			4	**	7	56	14.0
19857	BA-4	<10	<2	<1	0.080	189	67	88	120	1100	2.91	6.65	61.63	<0.2	40	61	<1	<1	<1			4	14	15	< 10	4.4

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Sr	Ba	Sn
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19716	32718	<10	4	<1	0.084	21	134	210	20	2300	4.19	7.52	61.95	150		12.48	4.59	3.12	3.91	0.09	0.40	190	153	389	<100
19717	32718	<10	3	<1	0.056	8	137	159	40	3050	4.97	8.52	61.73	151		11.66	4.70	2.96	3.37	0.10	0.35	150	110	287	<100
19718	32718	<10	9	<1	0.118	11	218	139	20	2100	8.25	13.80	52.89	165		9.84	6.37	2.14	0.48	0.20	0.25	82	87	159	<100
19719	32718	<10	<2	<1	0.039	15	221	135	20	4200	8.17	14.04	54.14	162		9.50	5.91	2.13	0.85	0.23	0.25	90	74	178	<100
19720	32718	<10	<2	<1	0.017	390	218	110	40	1600	7.48	16.12	48.84	175		14.62	6.22	1.97	1.30	0.21	0.28	142	281	603	<100
19723	32718	<10	<2	<1	0.023	74	233	96	60	2000	6.10	11.70	57.46	162		11.51	5.76	2.92	1.62	0.16	0.17	140	108	224	<100
19730	DU-7	<10	<2	<1	0.084	9	21	964	20	920	0.95	2.18	72.51	22		13.60	1.01	4.02	4.51	0.03	0.10	400	110	554	<100
19761	NM-3	<10	6	<1	0.051	420	12	97	40	450	2.40	10.27	57.57	98		14.36	6.30	4.14	1.05	0.14	0.32	70	296	182	<100
19807	D-6A	<10	<2	<1	0.011	14	18	56	140	260	1.75	5.00	59.74	31		17.93	0.27	2.04	11.55	0.04	0.06	600	35	494	<100
19857	BA-4	<10	<2	<1	0.080	189	67	88	120	1100	2.91	6.65	61.63	167		13.88	4.73	3.74	2.46	0.09	0.37	84	< 10	< 10	<100

** INSUFFICIENT SAMPLE

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-7

FIGURE 255-1-3A

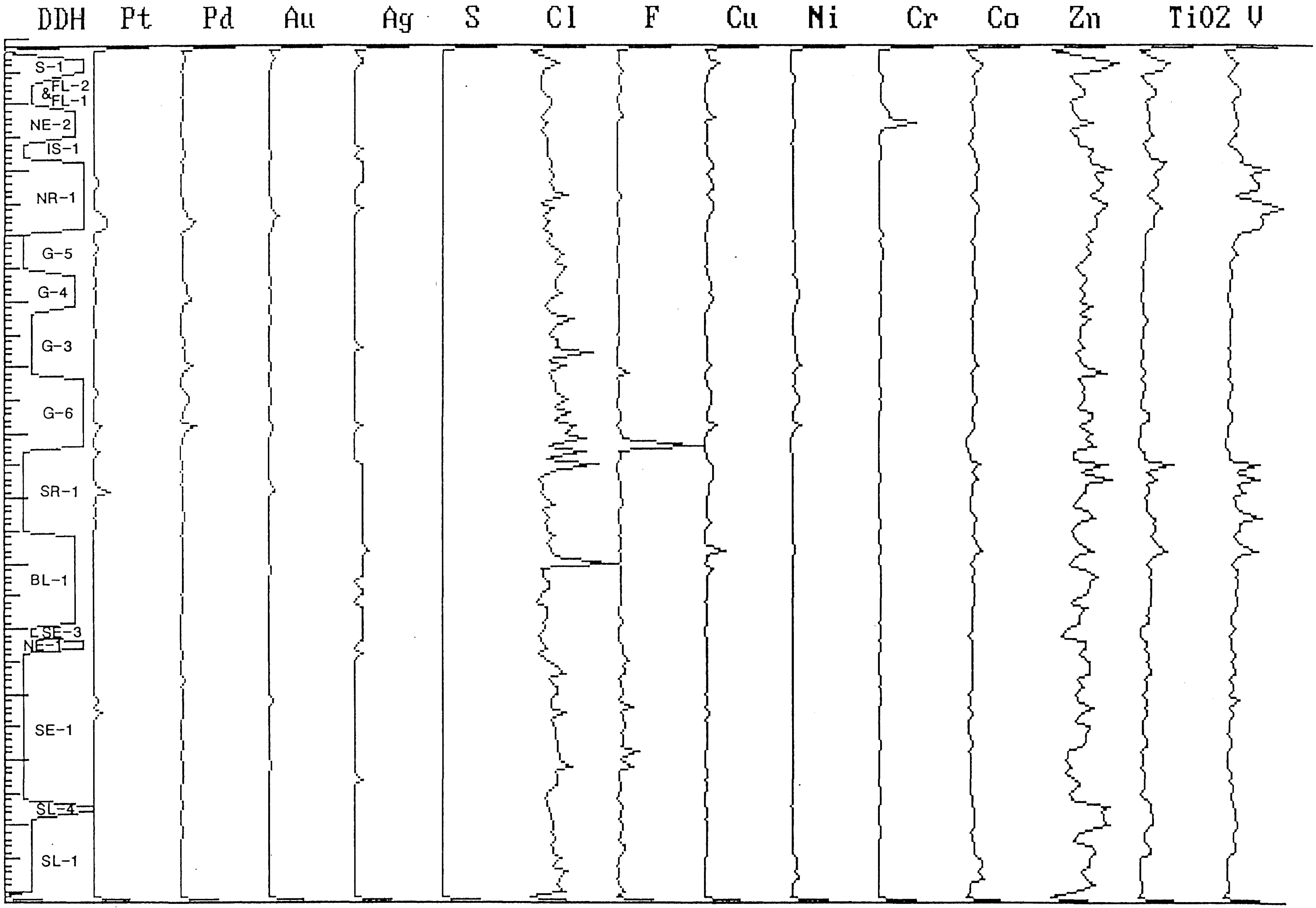


FIGURE 255-1-3A: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pt, Pd, Au, Ag, S, Cl, F, Cu, Ni, Cr, Co, Zn, TiO2 and V). Sample #'s are broken up by drill hole in the left hand column.

FIGURE 255-1-3B

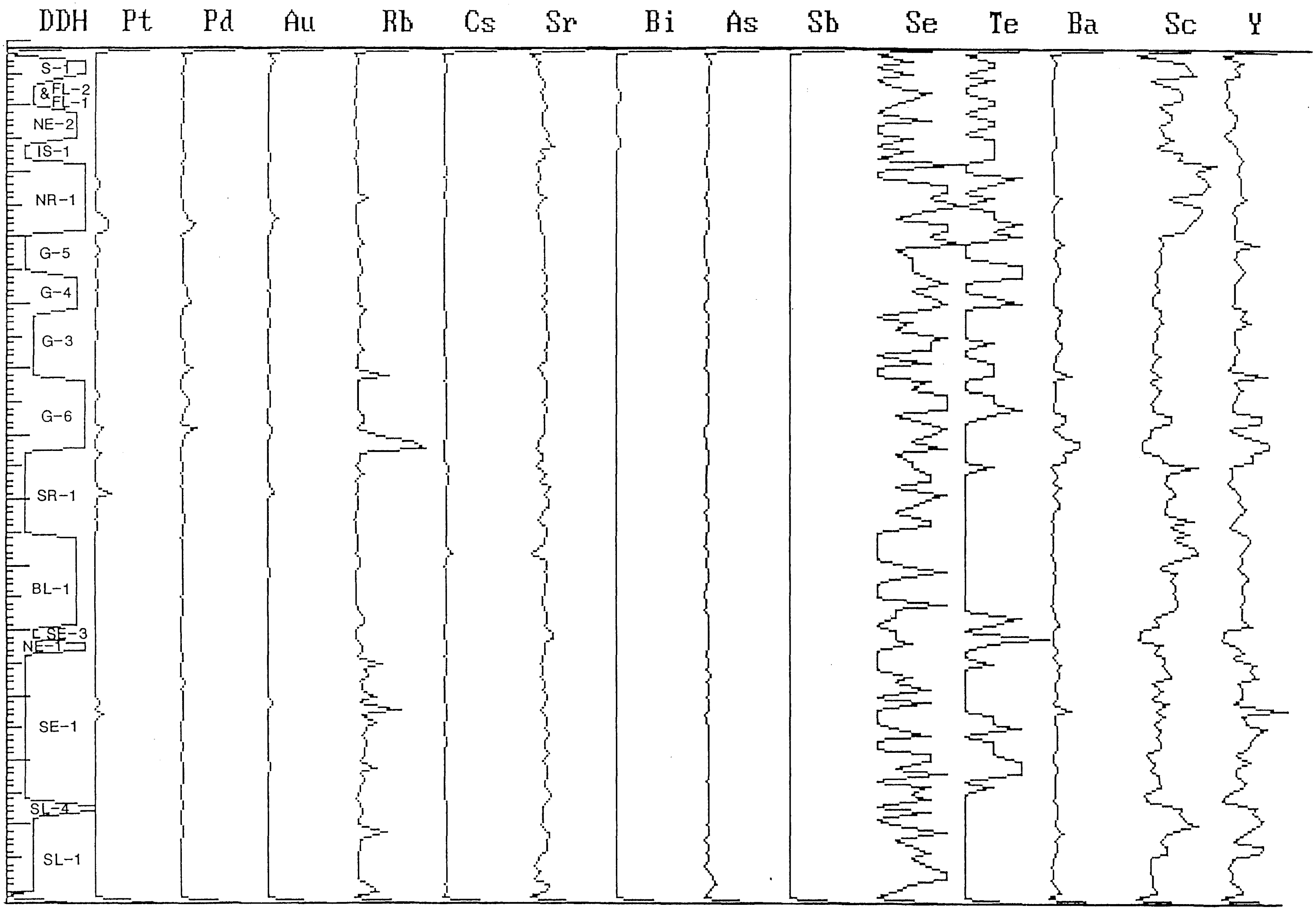


FIGURE 255-1-3B: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pt, Pd, Au, Rb, Cs, Sr, Bi, As, Sb, Se, Te, Ba, Sc and Y). Sample #'s are broken up by drill hole in the left hand column.

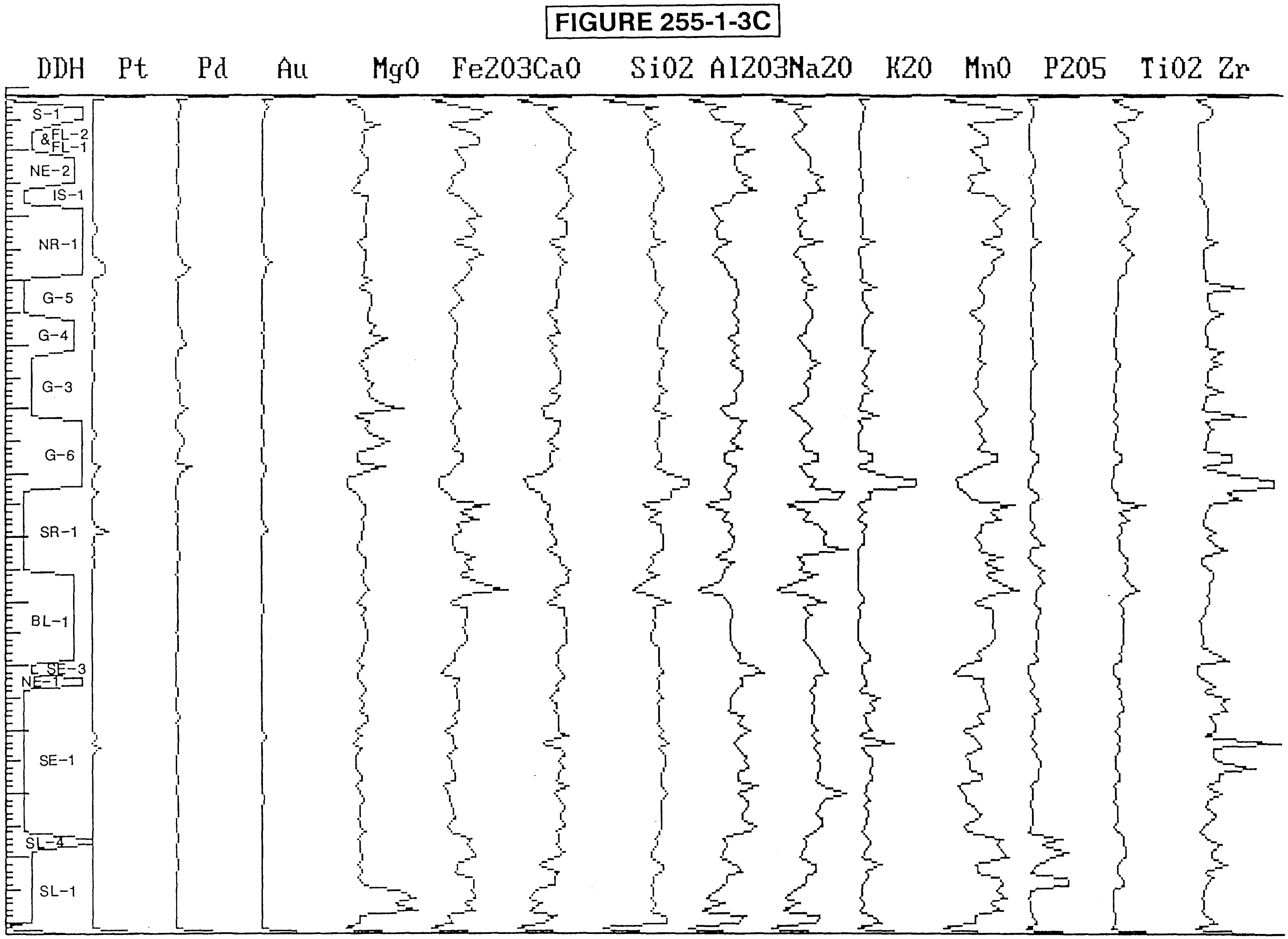


FIGURE 255-1-3C: Sample Value vs. Sample # Plot for Mafic Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pt, Pd, Au, MgO, Fe2O3, CaO, SiO2, Al2O3, Na2O, K2O, MnO, P2O5, TiO2 and Zr). Sample #'s are broken up by drill hole in the left hand column.

FIGURE 255-1-4A

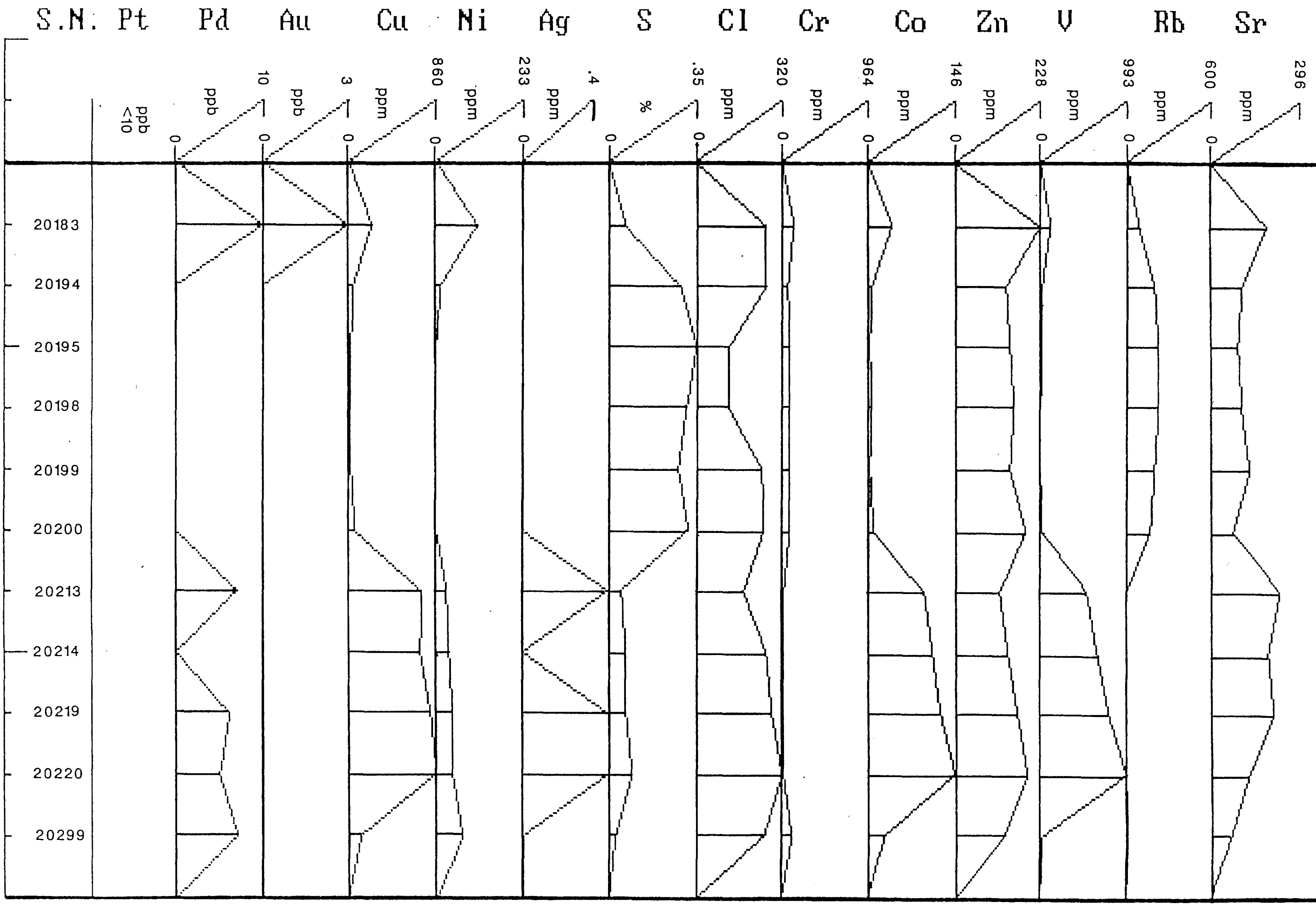


FIGURE 255-1-4A: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pt, Pd, Au, Cu, Ni, Ag, S, Cl, Cr, Co, Zn, V, Rb, and Sr). Sample #'s are indicated in the left hand column.

FIGURE 255-1-4B

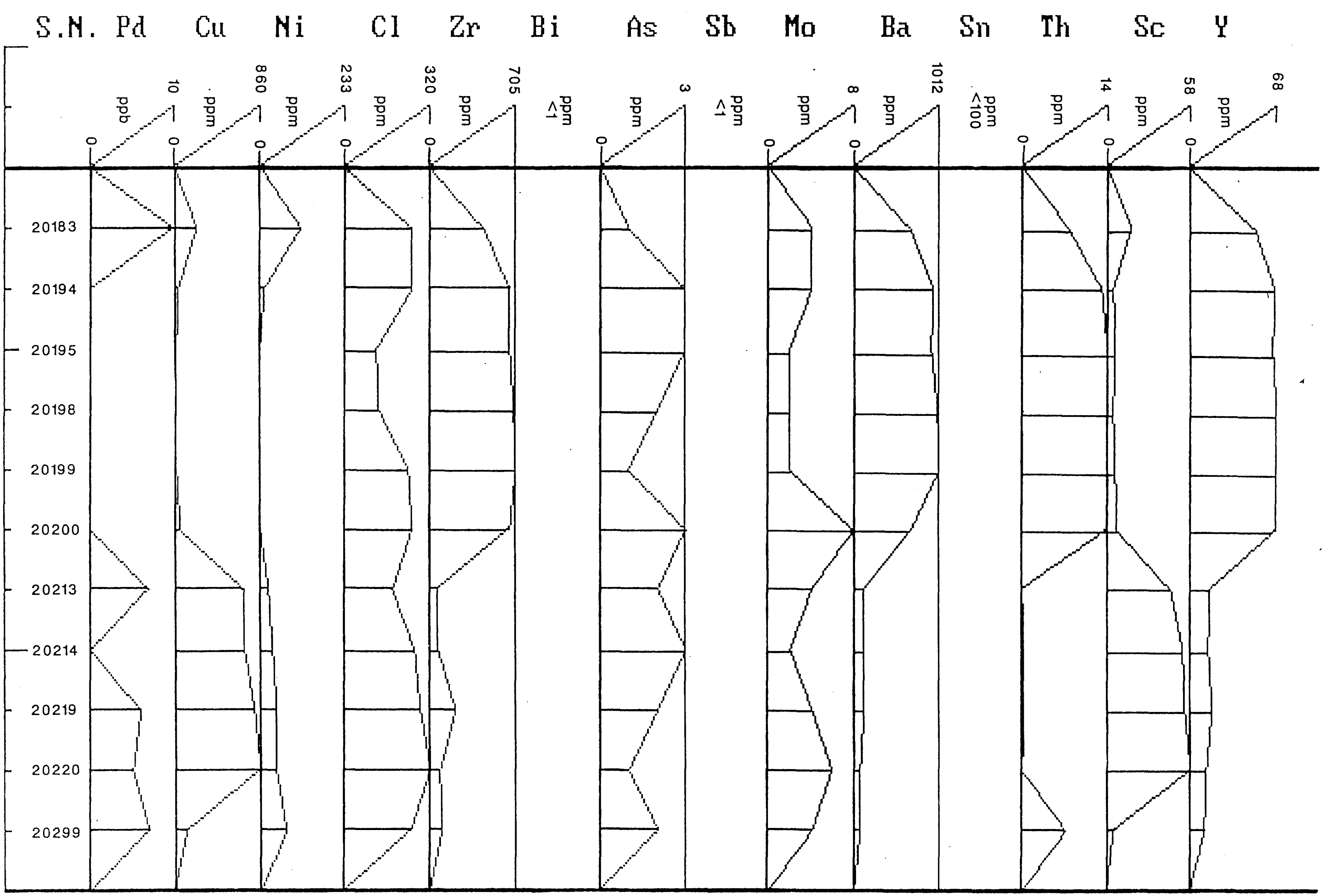


FIGURE 255-1-4B: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pd, Cu, Ni, Cl, Zr, Bi, As, Sb, Mo, Ba, Sn, Th, Sc and Y). Sample #'s are indicated in the left hand column.

FIGURE 255-1-4C

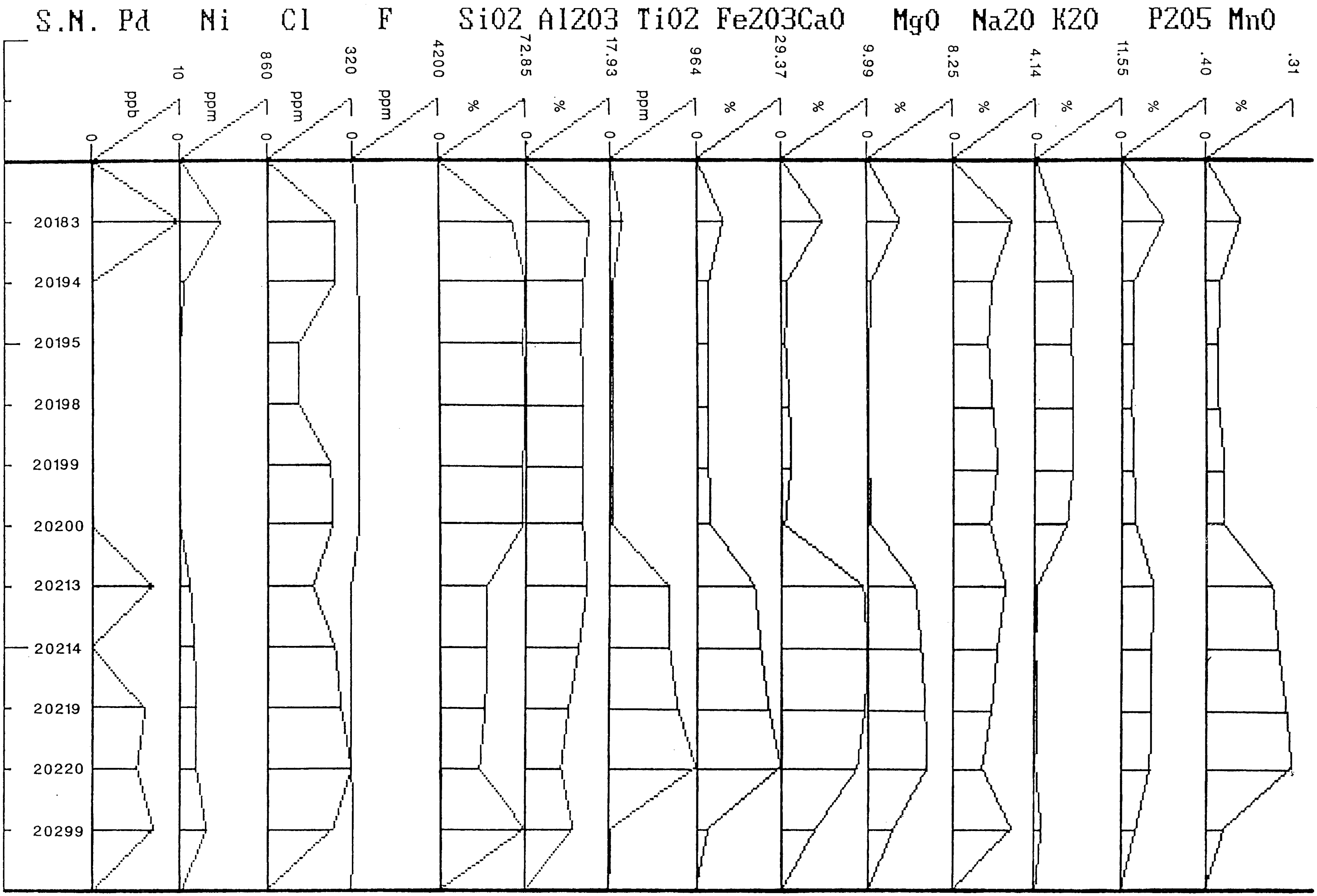


FIGURE 255-1-4C: Sample Value vs. Sample # Plot for Granitoid Analyses of Drill Holes within the Inner Portion of the Duluth Complex (Pd, Ni, Cl, F, SiO2 , Al2O3, TiO2, Fe2O3, CaO, MgO, Na2O, K2O, P2O5, and MnO). Sample #'s are indicated in the left hand column.

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20137	S-1	<10	47	22	0.37	420	5	14	180	200	4.85	21.15	45.10	0.5	103	132	<1	4	<1	2	1	44	28	118
20138	S-1	<10	8	12	0.36	1625	10	11	290	<20	5.95	35.05	33.37	0.5	182	220	<1	3	<1	<1	1	47	17	129
20139	S-1	<10	4	2	0.32	416	<1	11	125	540	5.93	27.45	39.82	<0.5	137	160	<1	3	<1	2	<1	56	22	107
20141	FL-2	<10	11	3	0.08	173	480	500	100	140	11.79	9.81	46.28	<0.5	69	61	<1	2	<1	<1	1	14	3	7
20142	FL-1	<10	18	2	0.16	67	85	200	110	100	5.27	23.32	37.18	<0.5	92	84	<1	1	<1	1	<1	39	4	7
20143	FL-1	<10	11	<1	0.01	36	140	195	110	360	6.18	27.43	34.49	<0.5	120	102	1	1	<1	3	<1	43	8	16
20145	FL-1	<10	6	2	0.01	45	100	185	185	<20	5.50	26.08	35.89	<0.5	110	100	1	2	<1	2	1	40	2	13
20146	FL-1	<10	11	<1	0.01	38	120	230	200	<20	4.31	14.35	41.52	<0.5	64	58	<1	2	<1	1	1	22	5	9
20147	NE-2	<10	15	5	0.02	392	200	1200	160	100	7.09	17.46	41.84	<0.5	87	63	<1	1	<1	<1	<1	32	21	28
20148	NE-2	<10	9	5	0.11	1200	200	1400	110	540	7.37	19.26	40.42	<0.5	97	88	<1	2	<1	3	1	30	16	19
20149	NE-2	<10	5	2	0.02	99	265	5250	160	<20	7.65	18.57	42.74	<0.5	103	133	<1	1	<1	<1	1	21	16	33
20150	NE-2	<10	<2	<1	0.03	265	55	150	105	<20	3.77	10.97	47.38	<0.5	58	56	<1	3	<1	<1	<1	25	3	14
20151	NE-2	<10	5	2	0.03	249	70	80	145	<20	4.67	12.56	45.85	<0.5	69	80	1	3	<1	2	1	35	11	48
20152	IS-1	<10	7	<1	0.01	40	20	57	175	<20	2.13	8.72	50.07	<0.5	35	85	1	3	<1	<1	1	19	21	51
20153	IS-1	<10	24	2	0.04	316	90	230	175	<20	7.11	16.33	44.92	0.5	76	130	<1	1	<1	2	1	43	21	27
20154	IS-1	<10	38	8	0.02	383	100	190	160	<20	6.37	21.20	42.18	<0.5	92	121	<1	<1	<1	<1	1	39	30	72
20155	NR-1	<10	5	<1	0.06	700	30	16	200	<20	6.87	24.16	40.82	0.5	132	123	<1	<1	<1	5	<1	74	23	107
20156	NR-1	<10	14	5	0.06	880	80	92	185	<20	5.84	28.41	37.45	0.5	145	190	<1	1	<1	<1	<1	56	19	93
20157	NR-1	<10	4	<1	0.05	343	40	26	220	<20	5.76	20.16	43.99	0.5	102	138	<1	1	<1	<1	2	63	26	98
20158	NR-1	31	5	4	0.06	780	50	36	185	<20	6.46	24.76	40.27	0.5	125	165	<1	2	<1	4	1	68	26	104
20159	NR-1	<10	<2	4	0.06	940	65	14	220	<20	6.69	23.34	41.95	<0.5	116	154	<1	1	<1	4	<1	62	25	87
20160	NR-1	<10	<2	3	0.04	183	40	62	355	260	3.99	14.12	51.24	<0.5	64	125	<1	<1	<1	3	1	30	37	181
20161	NR-1	<10	10	6	0.05	920	90	38	110	<20	6.56	26.39	38.76	<0.5	131	180	<1	1	<1	5	<1	59	18	68
20162	NR-1	<10	11	11	0.06	990	100	52	220	<20	6.69	30.41	35.98	0.5	151	175	<1	2	<1	3	1	61	15	72
20163	NR-1	60	50	40	0.06	600	70	49	135	<20	5.75	21.06	42.05	<0.5	104	140	<1	1	<1	1	1	56	19	68
20164	NR-1	71	133	17	0.02	297	80	51	185	100	6.00	22.43	42.12	<0.5	110	143	<1	2	<1	4	2	50	16	70
20165	NR-1	57	85	10	0.04	240	70	50	135	<20	5.24	20.29	43.04	<0.5	98	138	<1	1	<1	4	1	44	18	89
20166	G-5	<10	6	4	0.01	133	330	700	200	<20	9.03	17.84	42.54	<0.5	107	115	<1	<1	<1	3	2	22	18	85
20169	G-5	<10	19	4	0.06	138	110	105	160	180	4.33	12.63	50.52	<0.5	60	132	<1	<1	<1	5	<1	25	53	417
20170	G-5	22	12	<1	0.03	205	310	345	215	<20	8.21	15.30	45.85	<0.5	89	109	<1	<1	<1	1	<1	21	19	98
20171	G-5	<10	13	3	0.04	173	310	490	330	<20	8.49	18.53	43.73	<0.5	110	128	<1	<1	<1	2	<1	23	18	92
20172	G-5	15	17	2	0.05	182	275	150	250	<20	7.83	13.53	48.03	<0.5	81	100	<1	1	<1	2	2	21	25	124
20173	G-5	<10	20	3	0.03	155	260	280	350	120	7.49	10.65	53.87	<0.5	70	81	<1	3	<1	2	2	18	33	238
20174	G-4	<10	12	3	0.05	226	220	185	285	120	7.68	13.78	47.63	<0.5	81	103	<1	<1	<1	3	2	20	22	111
20175	G-4	17	27	8	0.09	433	530	180	240	<20	9.88	15.34	46.06	<0.5	97	115	<1	2	<1	4	<1	18	16	81
20177	G-4	<10	57	3	0.24	790	520	195	235	<20	8.29	13.68	46.60	<0.5	89	94	<1	2	<1	2	<1	22	17	78
20178	G-4	21	57	6	0.11	590	860	125	300	<20	14.32	14.84	45.01	<0.5	113	104	<1	2	<1	3	1	16	16	92
20179	G-4	17	99	6	0.17	890	660	145	185	160	9.60	13.87	45.53	<0.5	95	95	<1	<1	<1	4	2	16	15	82
20180	G-4	<10	27	3	0.13	461	310	170	150	220	5.97	12.70	53.81	<0.5	68	131	<1	<1	<1	3	<1	23	36	252
20184	G-3	<10	<2	<1	0.03	135	190	165	230	180	7.13	12.59	48.20	<0.5	71	92	<1	2	<1	<1	<1	22	27	139

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-8a

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20137	S-1	<10	47	22	0.37	420	5	14	180	200	4.85	21.15	45.10	263	5.66	11.66	8.79	2.61	0.48	0.26	0.22	7	32	199	172
20138	S-1	<10	8	12	0.36	1625	10	11	290	<20	5.95	35.05	33.37	427	10.09	6.88	6.59	1.49	0.29	0.37	0.29	3	55	119	98
20139	S-1	<10	4	2	0.32	416	<1	11	125	540	5.93	27.45	39.82	241	7.58	8.96	8.62	1.97	0.32	0.32	0.19	3	44	158	109
20141	FL-2	<10	11	3	0.08	173	480	500	100	140	11.79	9.81	46.28	85	0.53	18.44	10.14	2.31	0.11	0.12	0.08	1	19	229	73
20142	FL-1	<10	18	2	0.16	67	85	200	110	100	5.27	23.32	37.18	364	3.77	16.15	12.00	1.95	0.021	0.17	0.08	<1	41	245	28
20143	FL-1	<10	11	<1	0.01	36	140	195	110	360	6.18	27.43	34.49	500	5.22	13.48	11.55	1.33	0.05	0.21	0.05	1	48	181	29
20145	FL-1	<10	6	2	0.01	45	100	185	185	<20	5.50	26.08	35.89	433	4.83	14.18	11.49	1.75	<0.01	0.21	0.04	<1	45	224	21
20146	FL-1	<10	11	<1	0.01	38	120	230	200	<20	4.31	14.35	41.52	233	2.45	21.32	13.01	2.21	0.06	0.13	0.06	<1	26	300	43
20147	NE-2	<10	15	5	0.02	392	200	1200	160	100	7.09	17.46	41.84	312	3.08	15.20	11.13	2.61	0.21	0.18	0.28	2	34	221	104
20148	NE-2	<10	9	5	0.11	1200	200	1400	110	540	7.37	19.26	40.42	370	3.72	15.07	10.90	2.63	0.12	0.18	0.38	<1	38	230	99
20149	NE-2	<10	5	2	0.02	99	265	5250	160	<20	7.65	18.57	42.74	445	3.16	15.48	8.66	2.46	<0.01	0.22	0.28	<1	34	219	103
20150	NE-2	<10	<2	<1	0.03	265	55	150	105	<20	3.77	10.97	47.38	286	3.25	19.93	10.99	3.43	0.21	0.12	0.11	2	21	338	145
20151	NE-2	<10	5	2	0.03	249	70	80	145	<20	4.67	12.56	45.85	396	4.64	17.46	11.18	3.11	0.27	0.14	0.15	2	25	301	174
20152	IS-1	<10	7	<1	0.01	40	20	57	175	<20	2.13	8.72	50.07	127	1.41	22.15	11.46	3.61	0.32	0.12	0.28	9	20	408	216
20153	IS-1	<10	24	2	0.04	316	90	230	175	<20	7.11	16.33	44.92	376	1.91	14.36	12.65	2.20	0.05	0.24	0.19	1	34	187	65
20154	IS-1	<10	38	8	0.02	383	100	190	160	<20	6.37	21.20	42.18	558	3.72	12.79	11.02	2.31	0.01	0.27	0.39	<1	42	237	75
20155	NR-1	<10	5	<1	0.06	700	30	16	200	<20	6.87	24.16	40.82	498	8.79	7.52	10.88	1.68	0.19	0.31	0.18	5	39	125	90
20156	NR-1	<10	14	5	0.06	880	80	92	185	<20	5.84	28.41	37.45	1420	7.20	9.29	9.01	1.84	0.20	0.28	0.18	6	58	140	102
20157	NR-1	<10	4	<1	0.05	343	40	26	220	<20	5.76	20.16	43.99	830	4.88	11.22	11.21	2.40	0.29	0.24	0.19	7	43	182	147
20158	NR-1	31	5	4	0.06	780	50	36	185	<20	6.46	24.76	40.27	1057	6.23	8.41	11.16	1.80	0.36	0.28	0.27	7	54	132	105
20159	NR-1	<10	<2	4	0.06	940	65	14	220	<20	6.69	23.34	41.95	1037	5.09	9.52	10.83	1.99	0.20	0.27	0.25	6	46	146	98
20160	NR-1	<10	<2	3	0.04	183	40	62	355	260	3.99	14.12	51.24	373	2.78	13.51	7.36	3.46	1.26	0.18	0.62	33	31	296	400
20161	NR-1	<10	10	6	0.05	920	90	38	110	<20	6.56	26.39	38.76	1503	6.14	9.39	10.55	1.86	0.03	0.28	0.19	3	50	143	87
20162	NR-1	<10	11	11	0.06	990	100	52	220	<20	6.69	30.41	35.98	1873	7.41	7.88	9.20	1.50	0.02	0.29	0.18	4	54	113	69
20163	NR-1	60	50	40	0.06	600	70	49	135	<20	5.75	21.06	42.05	1132	4.66	11.37	11.15	2.17	0.15	0.23	0.16	2	40	164	99
20164	NR-1	71	133	17	0.02	297	80	51	185	100	6.00	22.43	42.12	1230	4.92	11.65	9.98	2.27	0.23	0.24	0.13	2	40	175	99
20165	NR-1	57	85	10	0.04	240	70	50	135	<20	5.24	20.29	43.04	1080	4.37	13.21	9.63	2.64	0.27	0.22	0.16	7	42	197	132
20166	G-5	<10	6	4	0.01	133	330	700	200	<20	9.03	17.84	42.54	408	2.29	15.40	8.88	2.07	0.21	0.18	0.16	6	34	239	138
20169	G-5	<10	19	4	0.06	138	110	105	160	180	4.33	12.63	50.52	293	2.16	15.89	8.87	3.05	1.44	0.16	0.38	23	31	266	433
20170	G-5	22	12	<1	0.03	205	310	345	215	<20	8.21	15.30	45.85	268	1.93	16.09	9.20	2.34	0.31	0.18	0.18	9	30	268	165
20171	G-5	<10	13	3	0.04	173	310	490	330	<20	8.49	18.53	43.73	430	2.42	14.96	8.90	2.16	0.34	0.19	0.17	9	41	248	150
20172	G-5	15	17	2	0.05	182	275	150	250	<20	7.83	13.53	48.03	197	1.64	15.92	8.78	2.59	0.63	0.17	0.22	13	28	261	221
20173	G-5	<10	20	3	0.03	155	260	280	350	120	7.49	10.65	53.87	143	1.04	14.29	6.92	2.79	1.07	0.13	0.14	19	25	224	311
20174	G-4	<10	12	3	0.05	226	220	185	285	120	7.68	13.78	47.63	206	1.57	16.18	9.05	2.61	0.45	0.17	0.20	10	25	278	203
20175	G-4	17	27	8	0.09	433	530	180	240	<20	9.88	15.34	46.06	158	1.25	15.41	8.60	2.32	0.34	0.19	0.21	6	30	253	147
20177	G-4	<10	57	3	0.24	790	520	195	235	<20	8.29	13.68	46.60	180	1.30	16.37	9.54	2.43	0.28	0.17	0.24	7	27	272	145
20178	G-4	21	57	6	0.11	590	860	125	300	<20	14.32	14.84	45.01	122	0.99	12.81	7.03	1.82	0.36	0.18	0.19	11	30	210	145
20179	G-4	17	99	6	0.17	890	660	145	185	160	9.60	13.87	45.53	135	1.11	16.21	8.65	2.24	0.31	0.17	0.24	8	27	276	138
20180	G-4	<10	27	3	0.13	461	310	170	150	220	5.97	12.70	53.81	191	1.60	14.47	7.37	2.58	1.21	0.17	0.22	30	29	229	370
20184	G-3	<10	<2	<1	0.03	135	190	165	230	180	7.13	12.59	48.20	219	1.65	16.28	8.93	2.58	0.82	0.16	0.23	15	51	277	251

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-8b

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20185	G-3	<10	<2	6	0.05	150	80	80	420	180	4.94	14.88	49.35	<0.5	66	128	<1	1	<1	2	<1	26	41	229
20186	G-3	<10	<2	2	0.04	130	240	140	250	100	7.65	12.53	46.56	<0.5	74	91	<1	2	<1	1	<1	18	18	104
20187	G-3	18	5	2	0.04	130	185	138	190	<20	6.87	11.40	47.24	<0.5	68	89	<1	1	<1	4	<1	20	18	101
20188	G-3	<10	28	2	0.08	173	380	180	260	200	9.18	12.92	45.65	<0.5	86	87	<1	2	<1	3	1	16	16	85
20189	G-3	<10	14	4	0.14	325	390	170	250	<20	7.71	11.44	53.09	0.5	75	106	<1	1	<1	3	<1	15	23	242
20190	G-3	<10	37	4	0.06	180	300	205	600	<20	8.34	12.61	47.16	<0.5	75	81	<1	1	<1	<1	<1	23	18	89
20191	G-3	<10	28	4	0.06	190	540	140	190	<20	12.55	14.47	45.69	<0.5	94	95	<1	1	<1	3	1	16	16	72
20192	G-3	<10	115	12	0.15	740	1170	142	350	<20	19.90	17.41	41.63	<0.5	135	109	<1	<1	<1	<1	1	14	9	49
20193	G-3	<10	7	2	0.06	57	30	121	195	960	2.87	12.94	57.22	<0.5	45	180	<1	2	<1	<1	1	23	65	443
20201	G-6	<10	6	<1	0.05	123	290	122	205	<20	8.17	11.84	46.43	<0.5	70	88	<1	2	<1	3	<1	14	16	78
20202	G-6	<10	<2	<1	0.04	190	160	140	250	100	6.63	13.50	47.00	<0.5	69	102	<1	2	<1	2	<1	23	29	161
20203	G-6	24	36	7	0.33	780	490	180	240	100	8.44	13.80	45.90	<0.5	85	97	<1	1	<1	4	1	19	19	92
20204	G-6	<10	81	9	0.11	700	890	130	360	<20	14.80	15.59	43.79	<0.5	112	105	<1	3	<1	4	1	14	14	75
20205	G-6	<10	47	5	0.13	490	490	155	250	<20	9.22	12.71	45.34	<0.5	84	88	<1	2	<1	4	2	15	13	73
20206	G-6	<10	8	<1	0.06	248	25	23	380	380	3.78	18.17	48.50	<0.5	68	134	<1	3	<1	1	1	32	58	324
20207	G-6	<10	<2	<1	0.15	236	40	26	240	340	3.78	18.19	48.04	<0.5	70	124	<1	2	<1	3	<1	31	55	322
20208	G-6	53	162	17	0.30	1400	1040	124	440	<20	13.62	13.91	43.82	0.5	108	92	<1	<1	<1	4	<1	13	12	73
20209	G-6	17	30	7	0.11	356	220	134	335	280	5.08	10.01	56.59	<0.5	50	129	<1	<1	<1	3	<1	14	39	347
20211	G-6	<10	9	2	0.09	32	<1	56	540	440	0.43	4.80	71.27	<0.5	9	109	<1	1	<1	2	<1	7	66	694
20212	G-6	<10	<2	<1	0.13	17	<1	74	185	7400	0.38	4.54	70.57	<0.5	9	142	<1	1	<1	4	<1	6	68	695
20216	SR-1	34	<2	<1	0.02	147	20	41	540	160	3.50	9.49	57.11	<0.5	41	70	<1	2	<1	1	<1	22	43	283
20218	SR-1	<10	<2	<1	0.02	303	25	45	170	280	4.65	11.48	54.76	<0.5	46	73	<1	2	<1	2	<1	25	44	398
20221	SR-1	<10	8	2	0.08	860	60	20	660	<20	6.74	33.18	32.46	0.5	176	184	<1	1	<1	2	1	57	10	117
20222	SR-1	<10	6	<1	0.07	1070	70	78	215	<20	6.54	17.22	47.44	0.5	86	97	<1	1	<1	3	<1	28	15	82
20223	SR-1	<10	8	2	0.06	920	110	220	90	140	5.62	27.35	38.03	0.5	135	200	<1	1	<1	3	<1	27	8	64
20224	SR-1	20	<2	7	0.05	570	70	122	120	340	5.69	14.50	47.48	0.5	70	114	<1	1	<1	1	<1	32	18	65
20225	SR-1	97	19	21	0.04	460	60	56	115	260	5.43	16.81	47.70	0.5	75	114	<1	<1	<1	4	<1	36	27	177
20226	SR-1	16	12	<1	0.03	362	70	124	150	360	5.59	12.58	49.95	0.5	62	89	<1	3	<1	3	<1	28	23	101
20227	SR-1	<10	11	3	0.02	320	35	52	240	520	4.21	12.59	50.40	0.5	61	74	<1	2	<1	2	<1	27	35	190
20228	SR-1	19	25	<1	0.05	387	35	28	130	180	3.98	14.34	50.18	0.5	63	119	<1	<1	<1	1	<1	27	29	283
20229	SR-1	<10	40	4	0.04	310	70	47	195	160	6.95	24.85	40.10	0.5	127	145	<1	1	<1	3	<1	53	16	41
20230	SR-1	18	23	5	0.06	760	200	250	150	160	6.86	19.78	41.77	0.5	105	90	<1	2	<1	3	<1	32	12	47
20231	SR-1	<10	11	2	0.01	110	55	58	175	340	6.16	24.64	37.13	0.5	107	67	<1	1	<1	<1	<1	49	36	138
20232	BL-1	<10	<2	<1	0.02	44	70	42	250	220	5.32	16.76	47.30	0.5	79	73	<1	1	<1	<1	<1	36	43	162
20235	BL-1	<10	8	<1	0.03	124	75	36	165	380	5.93	28.22	35.29	0.5	119	98	<1	<1	<1	<1	<1	53	35	116
20237	BL-1	<10	25	<1	0.11	2280	300	265	205	120	7.95	44.04	25.08	1.0	203	140	<1	2	<1	<1	<1	57	25	115
20238	BL-1	<10	9	<1	0.05	245	90	58	235	240	5.93	20.60	41.92	0.5	97	79	<1	1	<1	<1	<1	41	31	102
20239	BL-1	<10	8	<1	0.01	100	60	59	840	140	3.59	11.67	56.07	0.5	57	60	<1	1	<1	2	<1	24	24	119
20240	BL-1	<10	13	7	0.04	880	120	195	100	260	6.75	20.65	40.83	0.5	95	110	<1	2	<1	4	<1	38	32	76
20241	BL-1	<10	13	2	0.03	370	90	155	135	300	5.33	20.30	42.39	0.5	80	150	<1	2	<1	1	<1	33	39	64

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-8c

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20185	G-3	<10	<2	6	0.05	150	80	80	420	180	4.94	14.88	49.35	199	2.52	13.99	8.17	3.29	0.80	0.20	0.40	13	56	278	332
20186	G-3	<10	<2	2	0.04	130	240	140	250	100	7.65	12.53	46.56	160	1.36	17.74	9.74	2.53	0.34	0.16	0.20	8	43	302	197
20187	G-3	18	5	2	0.04	130	185	138	190	<20	6.87	11.40	47.24	169	1.32	17.80	9.80	2.70	0.68	0.15	0.19	9	42	334	195
20188	G-3	<10	28	2	0.08	173	380	180	260	200	9.18	12.92	45.65	138	1.12	16.90	9.57	2.25	0.29	0.16	0.18	6	48	279	401
20189	G-3	<10	14	4	0.14	325	390	170	250	<20	7.71	11.44	53.09	108	0.77	15.29	7.43	2.55	1.15	0.14	0.13	21	44	241	339
20190	G-3	<10	37	4	0.06	180	300	205	600	<20	8.34	12.61	47.16	177	1.27	15.99	9.81	2.48	0.38	0.16	0.17	8	47	276	168
20191	G-3	<10	28	4	0.06	190	540	140	190	<20	12.55	14.47	45.69	132	1.11	15.22	8.29	2.14	0.12	0.18	0.17	8	55	254	136
20192	G-3	<10	115	12	0.15	740	1170	142	350	<20	19.90	17.41	41.63	105	0.72	10.42	5.75	1.22	<0.01	0.21	0.18	3	55	164	93
20193	G-3	<10	7	2	0.06	57	30	121	195	960	2.87	12.94	57.22	168	2.26	12.60	6.31	1.98	1.60	0.18	0.33	85	52	224	697
20201	G-6	<10	6	<1	0.05	123	290	122	205	<20	8.17	11.84	46.43	116	1.01	18.79	9.95	2.39	0.03	0.15	0.15	7	45	301	142
20202	G-6	<10	<2	<1	0.04	190	160	140	250	100	6.63	13.50	47.00	217	1.99	16.19	9.48	2.81	0.26	0.18	0.28	10	50	278	211
20203	G-6	24	36	7	0.33	780	490	180	240	100	8.44	13.80	45.90	161	1.30	16.70	9.36	2.52	0.07	0.17	0.23	9	56	280	164
20204	G-6	<10	81	9	0.11	700	890	130	360	<20	14.80	15.59	43.79	115	0.96	13.73	7.24	1.89	<0.01	0.20	0.20	6	59	230	123
20205	G-6	<10	47	5	0.13	490	490	155	250	<20	9.22	12.71	45.34	117	0.96	17.32	9.10	2.26	0.08	0.16	0.19	8	50	292	127
20206	G-6	<10	8	<1	0.06	248	25	23	380	380	3.78	18.17	48.50	212	3.48	11.94	7.54	3.24	1.06	0.26	0.54	22	68	257	495
20207	G-6	<10	<2	<1	0.15	236	40	26	240	340	3.78	18.19	48.04	208	3.42	12.03	7.63	3.22	1.05	0.26	0.54	22	70	256	478
20208	G-6	53	162	17	0.30	1400	1040	124	440	<20	13.62	13.91	43.82	103	0.91	15.36	8.15	1.93	<0.01	0.17	0.24	7	55	257	120
20209	G-6	17	30	7	0.11	356	220	134	335	280	5.08	10.01	56.59	134	1.06	14.77	5.78	2.41	1.75	0.12	0.15	67	50	205	446
20211	G-6	<10	9	2	0.09	32	<1	56	540	440	0.43	4.80	71.27	11	0.47	12.86	1.46	3.12	4.71	0.06	0.07	143	33	137	977
20212	G-6	<10	<2	<1	0.13	17	<1	74	185	7400	0.38	4.54	70.57	12	0.43	11.96	2.38	2.62	4.42	0.07	0.08	173	34	132	890
20216	SR-1	34	<2	<1	0.02	147	20	41	540	160	3.50	9.49	57.11	152	2.07	13.75	5.15	5.13	0.82	0.11	0.41	12	38	221	435
20218	SR-1	<10	<2	<1	0.02	303	25	45	170	280	4.65	11.48	54.76	167	2.21	13.04	5.62	4.66	0.92	0.14	0.50	15	44	214	505
20221	SR-1	<10	8	2	0.08	860	60	20	660	<20	6.74	33.18	32.46	1123	11.62	6.03	7.56	1.12	<0.01	0.34	0.14	2	90	110	68
20222	SR-1	<10	6	<1	0.07	1070	70	78	215	<20	6.54	17.22	47.44	444	3.07	12.78	6.99	2.66	0.68	0.23	0.21	23	60	285	237
20223	SR-1	<10	8	2	0.06	920	110	220	90	140	5.62	27.35	38.03	1128	5.95	11.18	6.54	2.24	0.06	0.28	0.16	3	90	174	106
20224	SR-1	20	<2	7	0.05	570	70	122	120	340	5.69	14.50	47.48	463	2.57	14.37	8.07	3.26	0.68	0.18	0.38	9	54	343	386
20225	SR-1	97	19	21	0.04	460	60	56	115	260	5.43	16.81	47.70	675	3.47	12.82	7.68	3.84	0.26	0.18	0.18	5	65	257	137
20226	SR-1	16	12	<1	0.03	362	70	124	150	360	5.59	12.58	49.95	313	2.46	14.85	8.24	3.59	0.49	0.15	0.40	8	50	311	235
20227	SR-1	<10	11	3	0.02	320	35	52	240	520	4.21	12.59	50.40	364	2.93	14.34	8.65	3.61	0.50	0.18	0.76	9	55	323	289
20228	SR-1	19	25	<1	0.05	387	35	28	130	180	3.98	14.34	50.18	547	2.99	13.95	6.97	5.38	<0.01	0.17	0.14	3	60	218	121
20229	SR-1	<10	40	4	0.04	310	70	47	195	160	6.95	24.85	40.10	1236	5.38	9.45	9.79	1.79	0.05	0.29	0.11	<1	70	145	73
20230	SR-1	18	23	5	0.06	760	200	250	150	160	6.86	19.78	41.77	491	4.70	14.86	9.98	2.16	<0.01	0.20	0.22	1	50	253	106
20231	SR-1	<10	11	2	0.01	110	55	58	175	340	6.16	24.64	37.13	481	5.61	11.51	11.92	1.95	<0.01	0.29	0.76	1	65	288	75
20232	BL-1	<10	<2	<1	0.02	44	70	42	250	220	5.32	16.76	47.30	286	4.04	11.06	11.16	3.20	0.09	0.21	0.51	6	55	249	90
20235	BL-1	<10	8	<1	0.03	124	75	36	165	380	5.93	28.22	35.29	554	6.34	9.65	11.51	1.79	<0.01	0.28	0.80	6	80	217	96
20237	BL-1	<10	25	<1	0.11	2280	300	265	205	120	7.95	44.04	25.08	1063	9.36	3.50	8.48	0.41	<0.01	0.36	0.40	5	150	43	23
20238	BL-1	<10	9	<1	0.05	245	90	58	235	240	5.93	20.60	41.92	448	5.30	11.45	9.83	2.44	0.27	0.24	0.48	11	60	268	120
20239	BL-1	<10	8	<1	0.01	100	60	59	840	140	3.59	11.67	56.07	224	2.96	13.05	7.07	3.83	0.41	0.15	0.32	11	35	273	175
20240	BL-1	<10	13	7	0.04	880	120	195	100	260	6.75	20.65	40.83	411	4.39	13.60	10.88	2.28	<0.01	0.23	0.60	2	65	246	107
20241	BL-1	<10	13	2	0.03	370	90	155	135	300	5.33	20.30	42.39	345	3.61	14.11	10.54	2.81	0.10	0.24	0.53	5	70	280	209

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-8d

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20242	BL-1	<10	13	3	0.03	330	100	215	185	260	6.33	19.28	42.08	<0.5	87	125	<1	1	<1	<1	<1	36	29	35
20243	BL-1	<10	13	2	0.02	310	110	220	185	240	6.40	18.55	42.42	0.5	89	120	<1	<1	<1	<1	<1	35	30	41
20244	BL-1	<10	6	2	0.03	395	140	240	100	320	7.24	19.75	40.52	0.5	94	115	<1	<1	<1	<1	<1	36	32	55
20245	BL-1	<10	10	<1	0.01	68	130	265	70	280	7.11	20.66	39.70	<0.5	98	68	<1	1	<1	4	<1	39	27	73
20246	BL-1	<10	7	2	0.04	235	90	205	170	180	6.01	18.01	44.32	0.5	83	120	<1	<1	<1	1	<1	35	28	38
20247	BL-1	<10	5	<1	0.02	200	115	215	175	180	5.15	13.55	46.78	0.5	75	93	<1	2	<1	1	2	17	28	194
20248	BL-1	<10	<2	<1	0.01	202	60	76	135	440	3.95	13.92	46.70	0.5	67	91	<1	2	<1	<1	1	22	45	294
20249	SE-3	<10	<2	<1	0.01	30	130	320	150	160	6.21	10.74	46.52	0.5	75	60	<1	3	<1	1	<1	4	3	9
20250	SE-3	<10	<2	<1	0.01	14	80	190	90	100	3.68	5.72	49.54	0.5	41	31	<1	3	<1	1	3	3	<2	7
20252	NE-1	<10	<2	<1	0.03	210	80	88	100	140	4.16	15.56	45.04	0.5	76	115	<1	2	<1	2	1	26	17	73
20253	NE-1	<10	5	3	0.05	255	150	145	170	420	5.77	14.10	46.37	<0.5	74	112	<1	1	<1	<1	<1	17	33	169
20254	SE-1	<10	14	5	0.05	390	155	115	90	400	6.67	15.46	44.23	0.5	87	90	<1	1	<1	<1	<1	27	16	84
20255	SE-1	<10	4	<1	0.04	262	80	116	185	1000	4.61	15.03	49.25	<0.5	69	125	<1	3	<1	<1	1	25	52	295
20256	SE-1	<10	5	2	0.09	292	135	123	260	420	5.92	16.42	45.36	<0.5	79	125	<1	1	<1	<1	<1	28	42	232
20257	SE-1	<10	4	<1	0.10	296	90	68	335	620	4.94	16.49	46.04	<0.5	74	125	<1	4	<1	2	<1	32	54	282
20258	SE-1	<10	30	5	0.03	170	230	157	195	220	7.20	12.84	46.74	<0.5	73	87	<1	1	<1	1	<1	16	23	124
20259	SE-1	<10	<2	<1	0.06	200	160	103	270	300	6.49	14.71	45.60	<0.5	78	105	<1	2	<1	3	<1	25	31	174
20260	SE-1	<10	7	<1	0.05	120	70	235	255	520	3.52	8.44	50.56	<0.5	41	80	<1	1	<1	<1	<1	15	28	165
20261	SE-1	22	20	14	0.04	254	135	245	205	180	5.56	12.90	46.19	<0.5	63	85	<1	3	<1	3	<1	31	17	75
20263	SE-1	<10	8	2	0.06	140	35	63	210	1400	2.69	12.36	54.63	<0.5	43	138	<1	3	<1	<1	<1	20	96	763
20264	SE-1	46	7	2	0.07	410	90	125	335	320	5.45	14.60	46.99	<0.5	68	108	<1	<1	<1	<1	1	27	29	154
20265	SE-1	<10	<2	<1	0.02	112	50	86	200	520	3.29	9.12	51.08	<0.5	40	78	<1	1	<1	<1	1	18	35	157
20266	SE-1	<10	4	<1	0.10	240	50	80	225	680	2.89	11.06	50.73	<0.5	40	125	<1	2	<1	1	2	23	67	202
20267	SE-1	<10	4	<1	0.08	260	45	67	250	300	2.89	11.18	49.32	<0.5	43	113	<1	3	<1	3	<1	20	49	526
20269	SE-1	<10	<2	<1	0.06	265	85	108	240	500	4.83	14.22	47.91	<0.5	66	114	<1	2	<1	<1	1	24	43	214
20270	SE-1	<10	7	<1	0.05	215	90	155	255	260	5.07	13.53	47.85	<0.5	70	100	<1	3	<1	<1	1	22	36	199
20271	SE-1	<10	6	<1	0.02	70	100	113	270	1800	3.55	7.25	48.87	<0.5	36	51	<1	3	<1	3	1	10	19	107
20272	SE-1	<10	6	<1	0.02	45	105	88	285	340	4.33	9.57	53.56	<0.5	44	48	<1	3	<1	3	2	18	43	220
20273	SE-1	<10	9	6	0.02	105	170	92	395	1400	5.73	10.26	47.87	<0.5	57	63	<1	2	<1	1	2	13	19	107
20274	SE-1	<10	7	2	0.01	202	85	90	250	160	4.26	11.51	47.44	<0.5	57	45	<1	3	<1	4	2	21	20	84
20276	SE-1	<10	7	<1	0.02	100	90	70	255	140	4.91	12.42	48.73	0.5	62	86	<1	1	<1	<1	<1	22	35	164
20278	SE-1	<10	<2	2	0.01	196	60	100	260	260	3.84	13.44	47.63	<0.5	62	92	<1	2	<1	3	1	23	29	155
20279	SE-1	<10	<2	<1	0.03	74	130	250	175	70	4.40	8.89	47.99	<0.5	59	59	<1	2	<1	2	<1	8	8	56
20280	SE-1	<10	<2	<1	0.02	48	160	156	155	<20	6.40	12.00	45.77	<0.5	88	64	<1	3	<1	3	<1	9	<2	32
20282	SL-4	<10	7	<1	0.27	122	20	32	160	460	4.00	23.07	43.47	<0.5	83	190	<1	2	<1	<1	<1	42	52	110
20283	SL-4	<10	<2	<1	0.19	280	50	71	195	380	4.51	20.80	44.07	<0.5	91	165	<1	3	<1	3	<1	41	46	221
20284	SL-1	<10	<2	<1	0.26	164	25	31	210	180	4.71	24.32	39.76	<0.5	101	175	<1	3	<1	<1	<1	46	59	130
20286	SL-1	<10	<2	<1	0.25	246	50	61	220	400	5.33	24.94	39.95	<0.5	104	190	<1	1	<1	1	<1	57	55	145
20290	SL-1	<10	7	2	0.18	252	80	171	200	300	3.96	14.52	49.93	<0.5	65	100	<1	3	<1	4	<1	31	37	276
20291	SL-1	<10	<2	<1	0.04	210	130	83	250	160	5.24	13.38	48.28	<0.5	75	71	<1	<1	<1	1	<1	23	16	74

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-8e

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20242	BL-1	<10	13	3	0.03	330	100	215	185	260	6.33	19.28	42.08	411	4.02	13.68	11.13	2.31	0.00	0.24	0.45	3	56	251	105
20243	BL-1	<10	13	2	0.02	310	110	220	185	240	6.40	18.55	42.42	396	3.95	13.95	10.88	2.39	0.02	0.24	0.47	2	50	236	121
20244	BL-1	<10	6	2	0.03	395	140	240	100	320	7.24	19.75	40.52	395	3.97	13.92	11.29	2.30	<0.01	0.25	0.51	2	62	219	105
20245	BL-1	<10	10	<1	0.01	68	130	265	70	280	7.11	20.66	39.70	400	4.17	13.54	11.10	2.22	<0.01	0.24	0.44	3	65	214	71
20246	BL-1	<10	7	2	0.04	235	90	205	170	180	6.01	18.01	44.32	355	3.66	14.31	10.50	2.55	0.23	0.22	0.48	6	55	239	147
20247	BL-1	<10	5	<1	0.02	200	115	215	175	180	5.15	13.55	46.78	244	2.70	17.17	8.94	2.92	0.82	0.16	0.38	23	50	284	217
20248	BL-1	<10	<2	<1	0.01	202	60	76	135	440	3.95	13.92	46.70	222	3.32	16.17	9.20	3.41	0.99	0.18	0.57	17	45	257	348
20249	SE-3	<10	<2	<1	0.01	30	130	320	150	160	6.21	10.74	46.52	382	1.12	21.77	8.64	3.30	0.31	0.10	0.07	4	40	361	108
20250	SE-3	<10	<2	<1	0.01	14	80	190	90	100	3.68	5.72	49.54	156	0.53	24.69	10.19	3.90	0.37	0.05	0.07	3	22	397	125
20252	NE-1	<10	<2	<1	0.03	210	80	88	100	140	4.16	15.56	45.04	260	2.92	17.20	10.84	2.94	0.53	0.19	0.17	12	54	248	140
20253	NE-1	<10	5	3	0.05	255	150	145	170	420	5.77	14.10	46.37	215	2.39	17.45	8.86	3.03	0.63	0.18	0.37	19	50	255	235
20254	SE-1	<10	14	5	0.05	390	155	115	90	400	6.67	15.46	44.23	339	3.76	15.79	9.40	2.68	0.24	0.19	0.20	7	47	228	147
20255	SE-1	<10	4	<1	0.04	262	80	116	185	1000	4.61	15.03	49.25	251	3.13	13.77	7.65	2.99	1.80	0.20	0.51	68	55	196	375
20256	SE-1	<10	5	2	0.09	292	135	123	260	420	5.92	16.42	45.36	307	3.58	13.96	8.63	2.79	0.93	0.21	0.47	21	50	212	281
20257	SE-1	<10	4	<1	0.10	296	90	68	335	620	4.94	16.49	46.04	339	4.20	12.85	8.61	2.95	1.25	0.22	0.60	31	48	197	351
20258	SE-1	<10	30	5	0.03	170	230	157	195	220	7.20	12.84	46.74	174	1.88	18.24	9.10	2.85	0.44	0.16	0.27	11	40	257	177
20259	SE-1	<10	<2	<1	0.06	200	160	103	270	300	6.49	14.71	45.60	270	3.15	16.21	9.37	2.72	0.60	0.19	0.37	16	45	233	211
20260	SE-1	<10	7	<1	0.05	120	70	235	255	520	3.52	8.44	50.56	153	1.63	20.10	9.25	3.28	1.15	0.10	0.23	51	40	273	248
20261	SE-1	22	20	14	0.04	254	135	245	205	180	5.56	12.90	46.19	475	2.62	17.49	11.44	2.85	0.22	0.14	0.18	11	42	251	134
20263	SE-1	<10	8	2	0.06	140	35	63	210	1400	2.69	12.36	54.63	140	2.15	14.72	6.20	3.41	2.89	0.17	0.46	113	55	184	704
20264	SE-1	46	7	2	0.07	410	90	125	335	320	5.45	14.60	46.99	272	2.69	16.29	9.60	2.90	0.30	0.18	0.29	19	60	250	194
20265	SE-1	<10	<2	<1	0.02	112	50	86	200	520	3.29	9.12	51.08	199	1.67	19.11	10.75	3.32	0.97	0.11	0.48	56	37	294	179
20266	SE-1	<10	4	<1	0.10	240	50	80	225	680	2.89	11.06	50.73	149	1.77	18.11	9.39	3.21	1.20	0.13	0.58	29	40	263	230
20267	SE-1	<10	4	<1	0.08	260	45	67	250	300	2.89	11.18	49.32	125	1.70	19.58	10.51	3.41	0.95	0.13	0.50	16	38	306	251
20269	SE-1	<10	<2	<1	0.06	265	85	108	240	500	4.83	14.22	47.91	242	2.67	16.29	9.32	3.21	0.90	0.18	0.52	27	52	256	273
20270	SE-1	<10	7	<1	0.05	215	90	155	255	260	5.07	13.53	47.85	239	2.55	16.41	9.07	3.10	1.08	0.17	0.47	23	46	256	271
20271	SE-1	<10	6	<1	0.02	70	100	113	270	1800	3.55	7.25	48.87	116	0.90	22.53	11.81	3.70	0.68	0.07	0.15	25	31	324	139
20272	SE-1	<10	6	<1	0.02	45	105	88	285	340	4.33	9.57	53.56	111	1.34	16.20	8.50	5.23	0.56	0.10	0.25	15	36	212	142
20273	SE-1	<10	9	6	0.02	105	170	92	395	1400	5.73	10.26	47.87	126	1.10	19.35	9.58	3.62	0.96	0.11	0.18	53	48	281	228
20274	SE-1	<10	7	2	0.01	202	85	90	250	160	4.26	11.51	47.44	237	1.99	19.46	10.90	3.40	0.43	0.14	0.20	12	45	284	155
20276	SE-1	<10	7	<1	0.02	100	90	70	255	140	4.91	12.42	48.73	201	1.88	17.70	9.94	3.09	0.87	0.18	0.25	23	45	251	200
20278	SE-1	<10	<2	2	0.01	196	60	100	260	260	3.84	13.44	47.63	329	2.33	17.92	9.93	3.50	0.64	0.16	0.26	14	45	253	185
20279	SE-1	<10	<2	<1	0.03	74	130	250	175	70	4.40	8.89	47.99	207	1.03	22.30	10.76	3.43	0.45	0.10	0.13	6	32	363	163
20280	SE-1	<10	<2	<1	0.02	48	160	156	155	<20	6.40	12.00	45.77	218	2.76	19.97	8.71	3.08	0.27	0.13	0.08	2	39	323	127
20282	SL-4	<10	7	<1	0.27	122	20	32	160	460	4.00	23.07	43.47	312	4.05	11.27	9.23	2.24	0.88	0.29	1.59	14	71	217	237
20283	SL-4	<10	<2	<1	0.19	280	50	71	195	380	4.51	20.80	44.07	389	4.35	12.15	8.76	2.42	0.96	0.26	0.71	19	70	207	272
20284	SL-1	<10	<2	<1	0.26	164	25	31	210	180	4.71	24.32	39.76	335	4.76	11.43	10.53	2.03	0.56	0.29	1.94	9	72	221	170
20286	SL-1	<10	<2	<1	0.25	246	50	61	220	400	5.33	24.94	39.95	430	5.08	10.70	9.37	1.91	0.39	0.31	1.26	8	80	196	181
20290	SL-1	<10	7	2	0.18	252	80	171	200	300	3.96	14.52	49.93	294	2.37	15.77	5.25	3.04	2.00	0.15	0.56	81	70	316	422
20291	SL-1	<10	<2	<1	0.04	210	130	83	250	160	5.24	13.38	48.28	279	2.19	17.88	9.28	3.02	0.65	0.16	0.16	12	50	291	163

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-8f

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20292	SL-1	<10	<2	<1	0.29	264	35	51	200	600	4.12	22.64	41.94	<0.5	92	132	<1	3	<1	2	<1	29	61	161
20293	SL-1	<10	<2	<1	0.20	240	80	35	225	520	5.74	24.56	39.90	<0.5	111	146	<1	1	<1	3	<1	29	53	91
20294	SL-1	<10	4	<1	0.04	112	540	68	310	90	18.65	22.44	41.58	<0.5	159	123	<1	2	<1	2	<1	13	14	56
20295	SL-1	<10	<2	<1	0.02	84	680	67	220	<20	23.77	25.86	39.99	<0.5	200	126	<1	<1	<1	3	<1	13	9	41
20296	SL-1	<10	5	2	0.03	128	450	70	355	80	16.91	19.73	43.44	<0.5	142	97	<1	2	<1	4	<1	13	14	67
20297	SL-1	<10	<2	<1	0.02	94	730	100	275	<20	24.44	25.55	39.38	<0.5	205	120	<1	5	<1	4	<1	15	12	53
20300	SL-1	<10	<2	<1	0.03	84	110	59	270	220	4.26	9.12	51.34	<0.5	52	145	<1	7	<1	2	<1	15	24	101
20301	SL-1	<10	<2	3	0.08	130	120	95	345	680	4.80	13.08	52.44	<0.5	65	80	<1	2	<1	1	<1	19	30	183

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

TABLE 255-1-8g

Project 255-1
Gabbro Analytical Package Results
For Inner Portion of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20292	SL-1	<10	<2	<1	0.29	264	35	51	200	600	4.12	22.64	41.94	377	3.82	12.30	8.42	2.36	0.86	0.27	1.85	15	70	271	247
20293	SL-1	<10	<2	<1	0.20	240	80	35	225	520	5.74	24.56	39.90	324	3.96	12.00	8.22	2.22	0.35	0.29	1.88	7	70	237	160
20294	SL-1	<10	4	<1	0.04	112	540	68	310	90	18.65	22.44	41.58	110	0.99	9.95	4.83	1.61	0.27	0.26	0.17	9	75	151	97
20295	SL-1	<10	<2	<1	0.02	84	680	67	220	<20	23.77	25.86	39.99	90	0.66	5.73	2.97	0.95	0.22	0.30	0.11	6	80	84	65
20296	SL-1	<10	5	2	0.03	128	450	70	355	80	16.91	19.73	43.44	129	1.07	11.53	5.53	1.89	0.49	0.23	0.15	9	63	169	118
20297	SL-1	<10	<2	<1	0.02	94	730	100	275	<20	24.44	25.55	39.38	130	0.86	4.71	2.87	0.75	0.16	0.29	0.12	7	78	71	75
20300	SL-1	<10	<2	<1	0.03	84	110	59	270	220	4.26	9.12	51.34	167	1.38	18.71	8.85	3.40	1.09	0.15	0.28	33	44	319	199
20301	SL-1	<10	<2	3	0.08	130	120	95	345	680	4.80	13.08	52.44	145	1.50	16.29	6.34	3.02	1.90	0.15	0.41	59	51	243	367

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-8h

Project 255-1
"Felsic" Analyses of Inner Portion
of Duluth Complex

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Mo	Sc	Y	Zr	Th
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20183	G-4	<10	10	3	0.06	208	110	120	255	260	3.12	9.22	61.16	<0.5	40	228	<1	1	<1	1	<1	4	16	51	454	7.5
20194	G-3	<10	<2	<1	0.29	30	10	54	255	260	0.40	4.00	72.85	<0.5	7	136	<1	3	<1	3		4	5	67	655	13
20195	G-3	<10	<2	<1	0.35	16	<1	78	120	360	0.26	4.37	71.78	<0.5	5	144	<1	3	<1	2	1	2	6	65	659	14
20198	G-3	<10	<2	<1	0.31	12	<1	85	125	380	0.28	4.09	72.77	<0.5	6	160	<1	2	<1	2	2	2	5	68	697	14
20199	G-3	<10	<2	<1	0.28	13	<1	82	240	340	0.25	4.34	72.23	<0.5	5	145	<1	1	<1	<1	2	2	6	68	705	14
20200	G-3	<10	<2	<1	0.32	61	<1	75	250	360	0.38	4.92	71.76	<0.5	10	190	<1	3	<1	2		8	7	68	662	14
20213	G-6	<10	7	<1	0.05	710	25	18	175	<20	4.70	19.91	40.71	0.5	97	118	<1	2	<1	<1	1	4	44	16	73	<0.1
20214	G-6	<10	<2	<1	0.06	700	35	22	260	<20	5.24	22.24	40.34	<0.5	109	140	<1	3	<1	5	<1	2	52	14	58	0.2
20219	SR-1	<10	6	<1	0.06	800	45	19	280	<20	5.65	25.07	39.61	0.5	123	170	<1	2	<1	2	<1	4	54	17	218	0.2
20220	SR-1	<10	5	<1	0.09	860	45	18	320	<20	5.87	29.37	34.78	0.5	146	195	<1	1	<1	4	<1	6	58	12	87	<0.1
20299	SL-1	<10	7	<1	0.02	116	70	94	248	100	2.56	4.52	72.80	<0.5	27	130	<1	2	<1	3	<1	4	4	11	97	7.0

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Sr	Ba	Sn
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20183	G-4	<10	10	3	0.06	208	110	120	255	260	3.12	9.22	61.16	114	1.24	13.62	4.56	2.92	2.66	0.12	0.20	88	185	673	<100
20194	G-3	<10	<2	<1	0.29	30	10	54	255	260	0.40	4.00	72.85	10	0.38	12.19	0.61	1.96	5.13	0.05	0.06	205	104	950	<100
20195	G-3	<10	<2	<1	0.35	16	<1	78	120	360	0.26	4.37	71.78	9	0.42	12.14	0.46	1.83	4.89	0.04	0.06	225	90	924	<100
20198	G-3	<10	<2	<1	0.31	12	<1	85	125	380	0.28	4.09	72.77	6	0.37	12.31	0.79	2.01	5.00	0.04	0.05	235	104	994	<100
20199	G-3	<10	<2	<1	0.28	13	<1	82	240	340	0.25	4.34	72.23	<5	0.40	12.21	0.98	2.28	4.97	0.06	0.06	205	128	1012	<100
20200	G-3	<10	<2	<1	0.32	61	<1	75	250	360	0.38	4.92	71.76	14	0.43	12.40	0.49	1.85	4.16	0.06	0.07	173	77	694	<100
20213	G-6	<10	7	<1	0.05	710	25	18	175	<20	4.70	19.91	40.71	523	6.69	13.17	9.46	2.71	0.23	0.24	0.15	4	233	129	<100
20214	G-6	<10	<2	<1	0.06	700	35	22	260	<20	5.24	22.24	40.34	644	6.76	11.47	9.99	2.29	< 0.1	0.26	0.14	1	189	119	<100
20219	SR-1	<10	6	<1	0.06	800	45	19	280	<20	5.65	25.07	39.61	787	7.53	9.53	9.82	2.00	0.12	0.29	0.14	5	214	117	<100
20220	SR-1	<10	5	<1	0.09	860	45	18	320	<20	5.87	29.37	34.78	993	9.62	7.79	8.89	1.49	< 0.1	0.31	0.13	4	132	74	<100
20299	SL-1	<10	7	<1	0.02	116	70	94	248	100	2.56	4.52	72.80	25	0.22	10.19	3.81	2.91	0.64	0.06	0.07	19	64	61	<100

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

TABLE 255-1-9

MINERALOGICAL STUDIES

Project work on Duluth Complex rocks included mineralogical studies which followed several different avenues.

Apatite Studies

A microprobe study on apatite grains from 5 drill holes was carried out in order to compare Duluth Complex apatites with apatites from other intrusions. Alan E. Boudreau from the University of Washington performed the analyses, with the results given in Table 255-1-10, and they are also plotted in Figure 255-1-5 on an F-Cl-OH ternary diagram (along with values for other intrusions (after Boudreau and others, 1986)). Please note that for the Rare Earth Elements (REE), the detection limits were about 0.05 wt%, hence the La values are particularly subject to error. The OH and H2O were calculated by anion site difference (OH + F + Cl = 1 pfu). The depths of the samples were 394' for D-10, 1334.8' for D-5, 945.4' for SE-1, 48' for NE-2, and 2581.1' for BA-2.

The chemistry for the apatites for DDH's D-10 and S-5 were very similar. The Cl concentrations were high compared with the Skaergaard or Kiglapait intrusion non-cumulus apatites, but are low compared to the chloroapatites which predominate in the lower 1/3 of the Stillwater intrusion. Boudreau reported that the halogens were not appreciably zoned.

The samples from SE-1 had very high REE contents, with values comparable to the J-M reef of the Stillwater Complex (Boudreau, 1986). Values from BA-2 were also somewhat high.

SEM/EDS WORK

A number of samples were submitted to the M.A. Hanna Research Center in Nashwauk, Minnesota for electron microscopy work (SEM/EDS) or X-ray diffraction (XRD). Figures 255-1-6, 255-1-7, and 255-1-8 contain SEM images and EDS spectra for samples 20043, 20310, and 20311. These samples raised questions about their being spinels/ilmenite/chromite.

Sample 20043 (DDH CN-1, 650') was dominantly rounded hypersthene grains "floating" in a pyrrhotite matrix, with accessory biotite, amphibole, serpentine, olivine (?), and pyrite.

Sample 20310 (DDH CN-1, 812') was dominantly rounded olivine (hortonolite (?) Fo 45-50) grains "floating" in a pyrrhotite matrix, with minor to trace amounts of hypersthene, serpentine, chalcopyrite, pentlandite, and pyrite (?).

Sample 20311 (DDH CN-1, 799.2') was intergrown hypersthene and pyrrhotite. Considerable pyrrhotite was included in the hypersthene. One bytownite grain was observed.

Other identifications answered the following questions:

Sample CL 20312 (DDH Du-13, 529') *Are these fluorite crystals?* "Fluorite" crystals turned out to be apophyllite crystals occurring in a calcite lined vug.

Sample CL 20313 (DDH Du-13, 515') *Are these "zircons intergrown with tourmaline"?* These

Project 255-1
Apatites from the Duluth Complex, Microprobe analysis

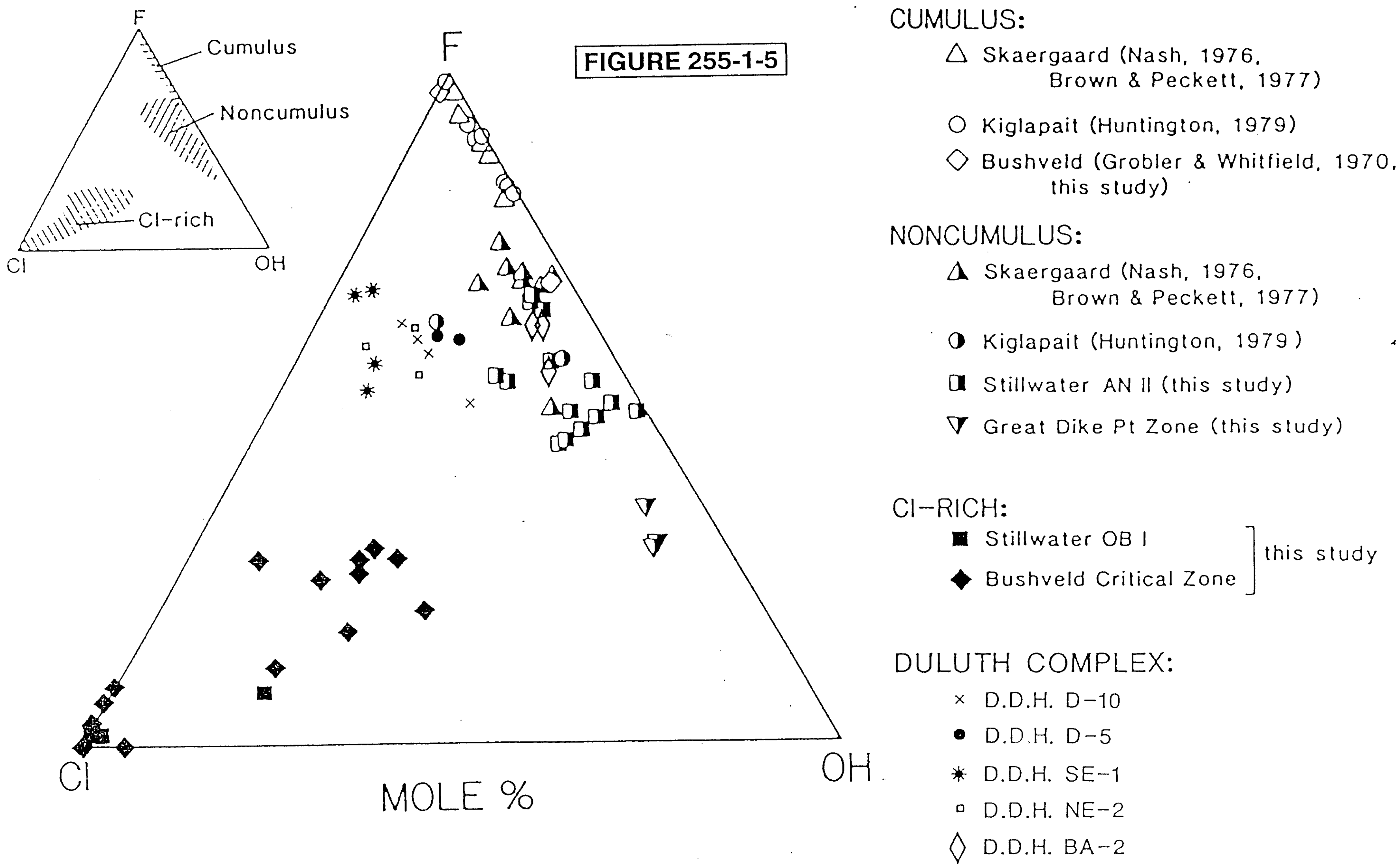
SAMPLE NUMBER	DRILL HOLE	CaO	P_2O_5	F	Cl	H_2O	La_2O_3	Ce_2O_3	SiO_2	MgO	FeO	MnO	Y_2O_3	Na_2O	SrO	TOTAL	O=F,Cl	TOTAL	X(F)	X(CL)	X(OH)	Cl/Cl+F	La+Ce	SIZE
						ERR										ERR	0.00	ERR	ERR	ERR	ERR	ERR	0.00	
20304-1	D-10	54.91	40.89	2.35	1.61	.21	.04	.16	.22	.02	.15	.04	.14	.02	.07	100.83	1.35	99.48	.64	.24	.12	.27	.20	120
20304-2A	D-10	54.85	41.00	2.24	1.58	.27	.00	.34	.09	.07	.11	.02	.13	.11	.09	100.90	1.30	99.60	.61	.23	.16	.27	.34	450
20304-2B	D-10	54.46	40.79	2.29	1.53	.25	.11	.26	.23	.05	.14	.03	.19	.10	.11	100.54	1.31	99.23	.63	.23	.15	.26	.37	450
20304-3	D-10	54.23	40.91	1.88	1.44	.46	.03	.24	.09	.06	.09	.03	.15	.11	.11	99.83	1.12	98.71	.52	.21	.27	.29	.27	540
20303-1	D-5	55.18	40.49	2.25	1.43	.30	.02	.22	.25	.03	.32	.05	.15	.04	.10	100.83	1.27	99.56	.62	.21	.17	.25	.24	1200
20303-2	D-5	54.93	41.18	2.24	1.23	.36	.08	.00	.09	.04	.30	.04	.08	.03	.10	100.70	1.22	99.48	.61	.18	.21	.23	.08	1200
13458-1	SE-1	53.83	40.92	2.51	1.76	.09	.24	.44	.22	.00	.12	.05	.20	.10	.11	100.59	1.45	99.14	.69	.26	.05	.27	.68	50
13458-2	SE-1	51.21	38.58	1.98	2.07	.18	.66	1.10	1.37	.01	.25	.04	.78	.12	.09	98.74	1.30	97.44	.57	.32	.11	.36	2.06	40
13458-3	SE-1	52.79	38.40	1.88	2.23	.20	.58	1.32	1.20	.00	.25	.07	.65	.12	.07	99.76	1.29	98.46	.54	.34	.12	.39	1.90	60
13458-4	SE-1	54.00	39.12	2.41	1.89	.07	.32	.62	.43	.02	.19	.05	.23	.14	.06	99.55	1.44	98.11	.68	.28	.04	.30	.94	45
13249-1	NE-2	54.66	40.35	2.18	2.14	.14	.05	.18	.42	.09	.15	.03	.02	.00	.11	100.52	1.40	99.12	.60	.32	.08	.34	.23	65
13249-2	NE-2	55.08	40.72	1.99	1.84	.32	.02	.21	.39	.06	.32	.04	.03	.01	.09	101.12	1.25	99.87	.55	.27	.18	.33	.23	90
13249-3	NE-2	55.35	40.75	2.26	1.64	.25	.07	.12	.16	.03	.12	.03	.02	.02	.13	100.95	1.32	99.63	.62	.24	.14	.28	.19	130
20305-1	BA-2	53.55	40.66	2.25	.58	.49	.22	.55	.19	.00	.16	.06	.24	.13	.10	99.18	1.08	98.10	.63	.09	.29	.12	.77	
20305-2	BA-2	54.01	40.46	2.01	.65	.58	.24	.48	.20	.00	.15	.08	.18	.15	.08	99.28	.99	98.29	.56	.10	.34	.15	.72	325
20305-3	BA-2	53.75	40.82	2.29	.79	.43	.19	.53	.13	.01	.13	.01	.15	.12	.11	99.45	1.14	98.31	.63	.12	.25	.16	.72	

NOTES:

20304-1 100 x 140 um, fresh in plag
20304-2a 300 x 600 um, fresh core
20304-2b 300 x 600 um, fresh rim
20304-3 280 x 800 um, fresh lens-shaped gr in sulf
20303-1 1.2 mm, fresh rim
20303-2 1.2 mm, fresh core
13458-1 30 x 70 um, fresh
13458-2 40 x 40 um, fresh
13458-3 40 x 80 um, fresh but pitted
13458-4 50 x 80 um, fresh
13249-1 120 x 60 um, fresh but pitted surface
13249-2 130 x 130 um, fresh
13249-3 130 x 130 um, fresh
20305-1 big fresh grain
20305-2 150 x 500 um, fresh
20305-3 big grain, fresh

TABLE 255-1-10

APATITE COMPOSITIONS OF MAFIC LAYERED INTRUSIONS



A comparison of the compositions of cumulus,noncumulus, and Cl-rich ore zone apatites from the Stillwater, Bushveld and Duluth Complexes, the Kiglapait and Skaergaard Intrusions and the Great Dyke. After Boudreau and others (1986).

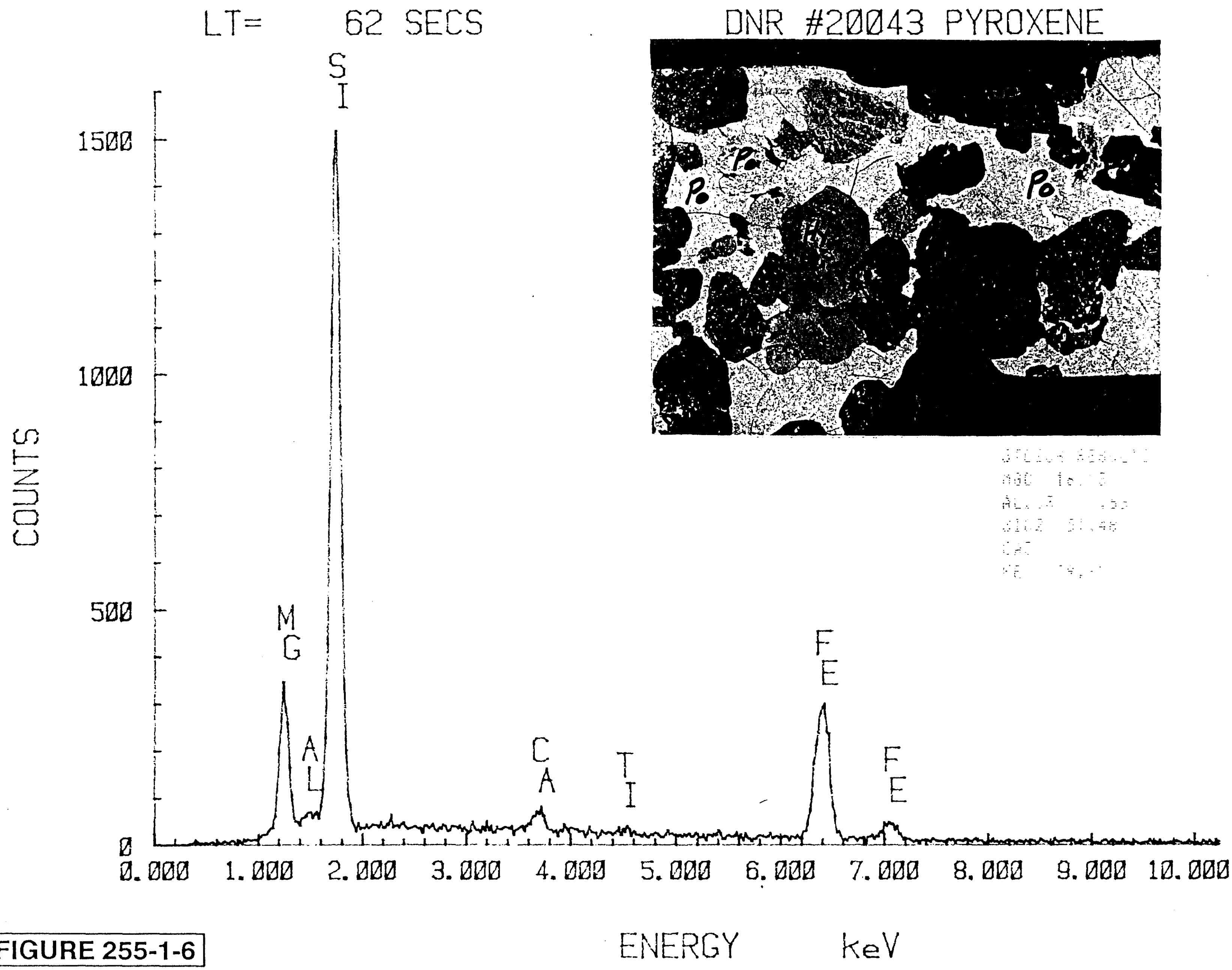


FIGURE 255-1-6

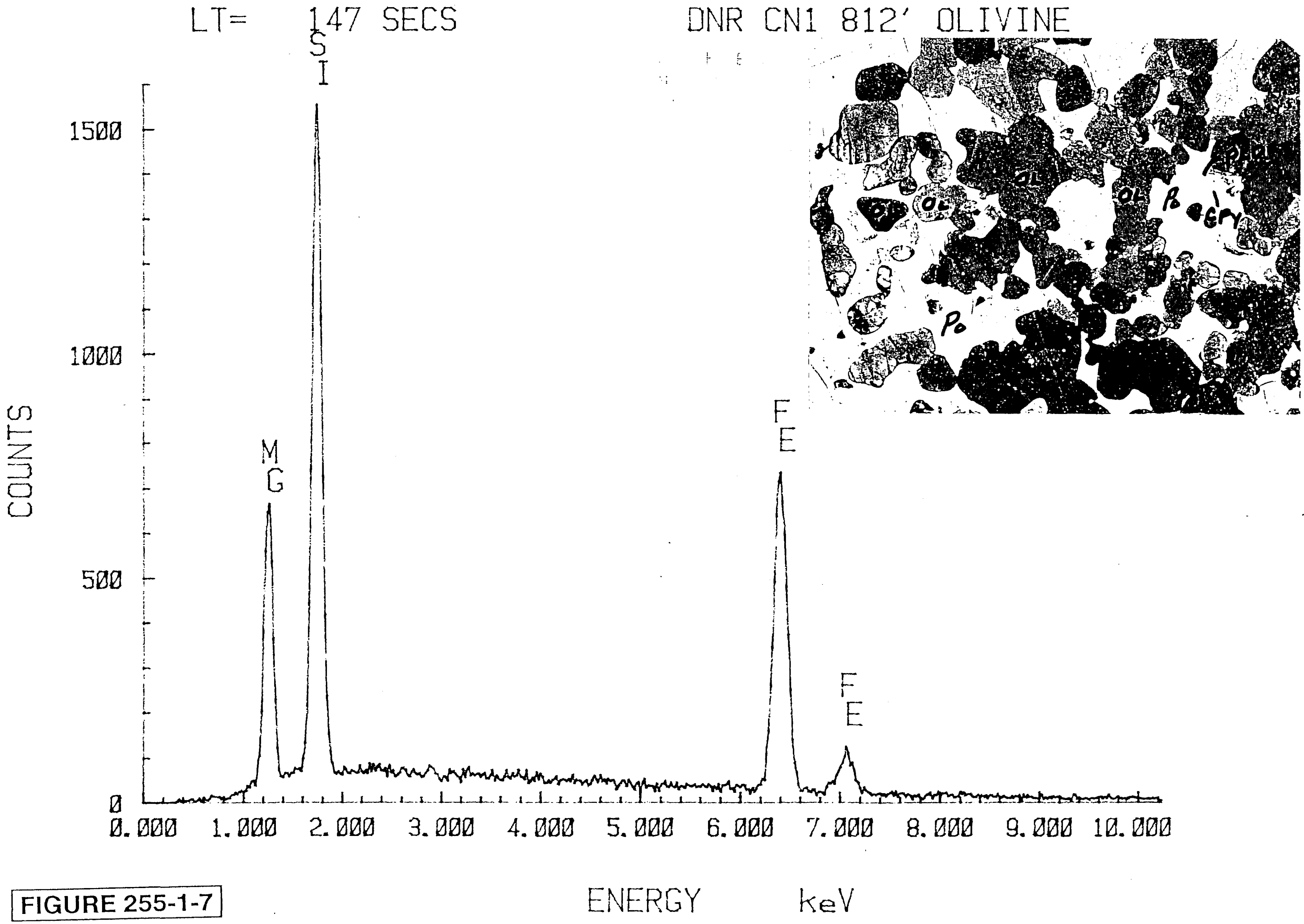


FIGURE 255-1-7

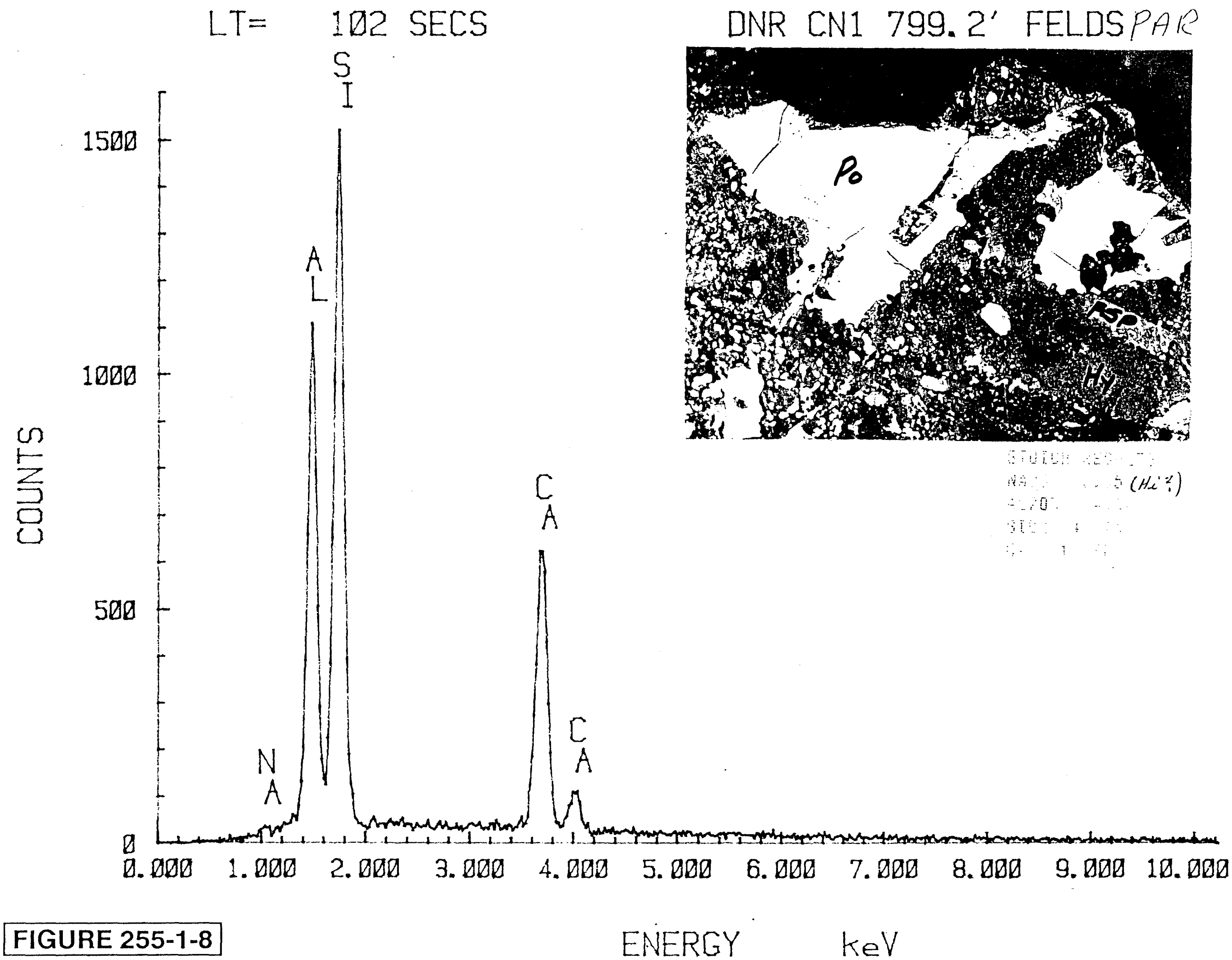


FIGURE 255-1-8

turned out to be zircons intergrown with chlorite.

Sample CL 20314 (DDH BA-3, 3510') "*What mica species" are these?* Based on the SEM/EDS spectra, the Mg:Fe ratio of .6:1 indicates that the mica was biotite, not phlogopite.

Sample CL 20315 (DDH BA-3, 3546') *Are these "tourmaline intergrown with zircon"?* By XRD, the black mineral was tourmaline (var dravite), and by EDS, the brown mineral was sphene.

Cannon Microprobe/SEM Work

Bart Cannon, of Cannon Microprobe located in Seattle, Washington took a number of SEM images on samples with the following results:

Sample CSL 18590 (DDH BA-1, 2690') imaged a grain of sperrylite.

Sample CSL 17711 (DDH DU-9, 2591') imaged a number of grains of tetraferroplatinum and isoferroplatinum grains. A quick analysis of a chromite from this chip showed it to be aluminous (with little magnesium). Most of the chromites showed 2 phases to be present (a lighter Al phase and a darker more Mg rich phase).

Pt and Pd trace element analysis of the pentlandite was performed on a few samples, but no results were above the detection limit of 0.1 wt%.

Sample CSL 20316 (DDH BI-144, 675-685') contained a mineral with Pd, Bi, and Sb in equal atomic proportions, with only 2% Te present. This is not a previously described species.

Chlorine Brines

The rusty-red fluid drops on drill core are related to a iron-OH-chlorine crystalline phase observed in partly serpentinizing olivine (Dahlberg et. al, 1988).

CONCLUSIONS

The highest density of elevated Pt + Pd + Au values and the largest volume of rocks with these values occur to the east and southeast of the Minnamax area and the geology is characterized by the relative abundance of anorthositic rocks.

Elevated values occur all along the basal zone; however, Du-15 and Du-9 still stand out as being relatively unique.

Project 255-1

Duluth Complex Sampling Project

APPENDICES

ABBREVIATIONS USED IN LITHOLOGY SUMMARY AND MISC. STATEMENTS:

ACCESSORY	ACC	MAGNETITE	MGT
AMPHIBOLE	AMPH	MASSIVE	MASS
ANORTHOSIE	ANORTH	MEDIUM-GRAINED	MGR
ANORTHOSITIC	ANORTC	MINERAL	MIN
APPROXIMATEC	APPROX	MISCELLANEOUS	MISC
BEARING	B	MODERATELY	MODLY
BIOTITE	BIO	OIKOCRYSTS	OIKS
BORNITE	BO	OLIVINE	OL
BROWN	BRN	ORTHOCLASE	ORTH
CATACLASTIC	CATACL	ORTHOPYROXENE	OPX
CHALCOPYRITE	CP	OXIDE	OX
CHLORITE	CHL	PEGMATITE	PEGMT
COARSE-GRAINED	CGR	PEGMATOID	PEGMTD
CONTACT	CTC	PEGMATOIDAL	PEGMTDL
COPPER	CU	PERIDOTITE	PERID
CRYSTAL	XL	PHENOCRYST	PHEN
CUMULUS	CUM	PICRITE	PICR
DEGREES	DEG	PICRITIC	PICRTC
DIORITE	DIOR	PLAGIOCLASE	PLAG
DISEASED	DSD	POIKILITIC	POIK
DISSEMINATED	DISSEM	PORPHYRITIC	PORPH
DISSEMINATIONS	DISS'S	PYRITE	PY
FINE-GRAINED	FGR	PYRRHOTITE	PO
FLUORITE	FLUOR	PYROXENE	PYX
FOLIATED	FOL	PYROXENITE	PYXT
FOLIATION	FOLN	QUARTZ	QTZ
FRACTURE	FRAC	QUARTZITE	QTZITE
GABBRO	GABB	SERPENTINIZED	SERPENT
GABBROIC	GABC	SERPENTINIZATION	SERPENTN
GREEN	GRN	STRINGERS	STRNGRS
HORNBLENDE	H	SULFIDE	SUL
HORNFELS	HFLS	TITANIFEROUS	TITANIF
HORNFELSIC	HFLSIC	TROCTOLITE	TROCT
ILMENITE	ILM	TROCTOLITIC	TROCC
INCLUSION	INCL	ULTRAMAFIC	ULTMAF
(IN) HOMOGENOUS	(IN) HOMO	UPPER	UPP
UBTERCALATION	INTRCALMO	VEIN	VN
IRON	FE	VERY COARSE-GRAINED	VCG
IRREGULAR	IREG	WHITE	WHT
LOCAL	LOCL	WITH	W/
LOCALLY	LOCLY	XENOLITH	XEN
LOWER	LWR	ZONE	ZN

ALL PLURALS ARE DENOTED BY ABBREVIATION PLUS AN S_S .
A SEMICOLON IS USED INSTEAD OF A COLON IN ALL CASES.

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
18582	BA-1	4 59 12	2635.0	2643.0	partly serpent ol gabb and norite w/cu-sul
18585	BA-1	4 59 12	2653.0	2663.0	ol-b norite w/pegmtdl intrcals w/cu-sul
18592	BA-1	4 59 12	2710.0	2718.0	partly serpent troct w/sul
18594	BA-1	4 59 12	3009.3	3019.5	ol-gabb w/troct spots; po clots
19412	BI-144	32 60 12	675.0	685.0	pegmtdl gab anorth w/cu-sul clots w/ilm incls
19711	MV2-1W	30 62 10	20.0	30.0	cu-sul-b mgr-cgr gabb
19712	MV2-1W	30 62 10	30.0	40.0	cu-sul-b mela-gabb
19713	MV2-1W	30 62 10	40.0	50.0	ox-b gabb w/oxidite lenses
19714	MV2-1W	30 62 10	50.0	54.0	ox-rich pyxt w/poik-pyx up to 1
19715	32718	5 61 11	150.0	160.0	ox-b gabb
19716	32718	5 61 11	191.3	201.3	partly pegmatitic amph-granite
19717	32718	5 61 11	201.3	209.8	fgr-cgr amph-granite
19718	32718	5 61 11	321.4	331.0	cgr mela-granite to hornblendite
19719	32718	5 61 11	331.0	336.0	cgr to pegmtdl mela-granite to hornblendite
19720	32718	5 61 11	336.0	338.0	transition zone of mela-granite and gabbro
19721	32718	5 61 11	338.0	346.0	cu-sul-b ol-b gabb
19722	32718	5 61 11	346.0	352.8	cu-sul-b ol-b gabb
19723	32718	5 61 11	413.0	418.4	cgr sphene-b mela-granite to hornblendite; fgr granite; and qtz
19724	32718	5 61 11	452.0	462.0	cu-sul-b gabb and pegmt with local pegmatitic oxide clots
19725	32718	5 61 11	536.0	546.0	bio-ol cu-sul-b gabb
19726	32718	5 61 11	630.0	640.0	ol and sul-b gabc-anorth
19727	32718	5 61 11	725.0	735.0	cgr-pegmtdl ol-b gabb to gabc-anorth
19728	32718	5 61 11	446.5	452.0	gabb to amph-b pegmtdl gabb w/ox concentrations
19729	DU-7	36 62 11	251.8	253.8	picrite; ol-gabb; and anorth
19730	DU-7	36 62 11	822.7	827.1	mgr-cgr granite
19731	DU-7	36 62 11	912.0	922.0	altered gabb with microcline(?) dike
19732	DU-7	36 62 11	949.0	959.0	altered cu-sul-b ol-b gabb
19733	DU-7	36 62 11	1114.0	1124.0	ctc of ol-b gabb and trocc-anorth
19734	DU-7	36 62 11	1285.0	1295.0	ctc of troct; anorth; and ol-gabb
19735	DU-7	36 62 11	1542.7	1552.7	mixed: anorth and perid
19736	DU-7	36 62 11	1582.3	1592.3	mixed: anorth; perid; and troct
19737	DU-7	36 62 11	1682.7	0	pegmtdl cu-sul-b anorth
19738	DU-7	36 62 11	1764.4	1774.4	mixed: serpent-dunite; troct; anorth; and locly pegmtdl
19739	DU-7	36 62 11	2440.3	2442.1	pegmtdl gabb w/dsd plag
19740	DU-7	36 62 11	2479.0	2489.0	inhomo troct and picr w/locl pegmtdl aspects
19741	DU-7	36 62 11	2489.0	2499.7	mainly pegmtdl gabb and anorth
19742	DU-7	36 62 11	2757.2	2767.2	cu-sul-b ol-gabb; troct; picr; w/locl pegmtdl aspects
19743	DU-7	36 62 11	2767.2	2777.2	mixed: cu-sul-b troct; gabb; anorth; and locl pegmt
19744	DU-7	36 62 11	3131.0	3148.0	cu-sul-b pyx-monzonite; charnockite; and hflsic-norite
19745	DU-7	36 62 11	2794.0	2813.0	cu-sul-b troct and picr
19746	DU-7	36 62 11	2831.0	2850.0	cu-sul-b troct and picr
19747	DU-7	36 62 11	2868.0	2888.0	cu-sul-b troct; picr; qtzite and monzonite
19748	DU-7	36 62 11	2905.0	2924.0	cu-sul-b norite and feldspathic pyxt
19749	DU-7	36 62 11	2981.5	2999.5	pyx monzonite
19750	DU-7	36 62 11	1932.0	1950.0	ol and cp-b fgr norite
19751	DU-7	36 62 11	3037.0	3055.8	cu-sul-b pyx-monzonite and hflsic-norite
19752	DU-7	36 62 11	3093.0	3112.0	cu-sul-b pyx-monzonite; hfls; charnockites; and anorth
19753	NM-3	2 61 11	138.0	148.0	mixed: cu-sul-b ox-rich pegmtdl-gabb and cgr ol-gabb
19754	NM-3	2 61 11	148.0	158.0	mixed: cu-sul-b ox-rich pegmtdl-gabb and cgr ol-gabb
19755	NM-3	2 61 11	158.0	168.0	mixed: cgr-pegmtdl cu-sul-b ox-rich gabb and mgr pyx-troct w/dsd plag
19756	NM-3	2 61 11	168.0	178.0	mixed: ox-rich pegmtdl-gabb and troct w/zns of dunite
19758	NM-3	2 61 11	262.5	272.5	cgr cu-sul-b ol-b gabb
19759	NM-3	2 61 11	272.5	282.5	cu-sul-b cgr ol-b gabb; and pegmtdl cu-sul-b gabc-anorth
19760	NM-3	2 61 11	282.5	292.5	mixed: gabb-anorth; ol-b gabbro; and basic hfls
19761	NM-3	2 61 11	650.0	660.0	cu-sul-b basic hfls cut by a 4' cu-sul-b graphic granite vn

APPENDIX A-1

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE			SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
19762	NM-3	2	61	11	157.9	0	ctc of cu-sul-b ox-rich gabb pegmt and cgr ol-gabb
19763	NM-3	2	61	11	956.0	966.0	cu-fe-sul-rich ol-b gabb w/thin hfls w/5% po
19764	NM-3	2	61	11	1128.4	0	mixed zn of anorth and pyx-rich masses
19765	NM-3	2	61	11	1155.0	1165.0	mixed: ox-rich gabc pegmt w/dsd plag and cgr ol-gabb
19766	NM-3	2	61	11	1360.0	1369.8	cu-sul-b ol-gabb to ox-rich pyx-troct
19767	NM-3	2	61	11	1429.0	0	ox-rich cgr homo pyx-troct
19768	NM-3	2	61	11	1819.0	1829.0	ctc zn of cgr ol-gabb; and mixed: cgr ol-gabb and mgr ol-mela-gabb
19769	NM-3	2	61	11	1879.0	1889.0	mgr-cgr ox-b ol-gabb w/tr of cu-sul and 2' of cgr ol-b anortc-gabb
19770	NM-3	2	61	11	1890.3	0	ctc of cgr ol-b anortc-gabb and fgr anortc-gabb xen
19771	NM-3	2	61	11	2213.0	2223.0	mgr-cgr cu-sul-b ol and pyx-b anorth
19772	NM-3	2	61	11	2223.0	2232.5	cgr pegmtdl cu-sul-rich ol-gabb w/dsd plag
19773	NM-3	2	61	11	2232.5	2242.5	cgr pegmtdl cu-sul-rich ol-gabb w/dsd plag
19774	NM-3	2	61	11	2242.5	2251.0	cgr pegmtdl cu-sul-rich ol-gabb w/dsd plag
19775	NM-3	2	61	11	2251.0	2260.0	cgr pegmtdl cu-sul-rich ol-gabb w/dsd plag
19776	NM-3	2	61	11	2260.0	2270.0	cgr pegmtdl cu-sul-rich ol-gabb w/dsd plag
19777	NM-3	2	61	11	2270.0	2280.0	ctc of cu-sul-rich ol-gabb; anorth xen; and cgr anorth
19778	NM-3	2	61	11	1871.7	1873.0	ox-rich cgr ol-gabb
19779	NM-3	2	61	11	2411.5	0	ol-b bio-dior(?)/anorth(?) w/aggregates of ol and dsd bio
19780	NM-3	2	61	11	2414.0	2416.5	fgr-mgr po-oxidite w/10-15% po
19781	NM-3	2	61	11	2419.0	0	mgr bio-dior(?)/anorth(?)
19782	NM-3	2	61	11	2541.0	2551.0	cu-sul-b cgr pegmtdl gabc-anorth to anorth w/dsd plag
19783	NM-3	2	61	11	2551.0	2560.0	cu-sul-b cgr pegmtdl ol-b gabc-anorth to anorth w/dsd plag
19784	NM-3	2	61	11	2579.8	0	mgr anortc-ol-gabb w/oiks of pyx; ol; and ilm
19785	NM-3	2	61	11	2539.4	0	cgr; zircon and ol-b gabc-anorth
19786	NM-3	2	61	11	2703.7	0	mgr anorth w/a 1/4" cp-rich dsd plag vn
19787	NM-3	2	61	11	3346.0	3356.0	cu-sul-b (vcg-pegmtdl) cgr-pegmtdl anorth w/foln 90 deg to core axis
19788	NM-3	2	61	11	3527.0	3536.0	ctc zn of cu-sul-b pegmtdl-anorth; and cgr ol-gabb
19789	NM-3	2	61	11	3831.0	0	zircon-b gabb pegmt w/abundant mgt and bio
19790	NM-3	2	61	11	3978.0	3986.0	cu-sul-rich mgr troct and cgr-pegmtdl ol-b gabb
19791	NM-3	2	61	11	4111.5	4120.5	cu-sul-rich mgr-cgr ol-gabb
19792	NM-3	2	61	11	4188.0	4198.0	ctc of mgr norite (w/tr of sul) and footwall cu-sul-b monzanite(?)
19793	DU-13	8	61	11	514.0	524.0	cu-sul-b pegmtdl gabb w/qtz vns w/smoky qtz and zircon xls
19794	DU-13	8	61	11	524.0	533.0	cu-sul-b pegmtdl gabb w/zircon; minor qtz; and dsd plag
19795	DU-13	8	61	11	533.0	540.5	cu-sul-b cgr pegmtdl ox-b gabb w/bio books
19796	DU-13	8	61	11	581.2	591.2	cu-sul-b pegmtdl ox-b gabb
19797	DU-13	8	61	11	2421.0	0	granitic vein w/qtz feldspar; bio; fluor; tourmaline(acc);and asbestos min
19798	DU-13	8	61	11	2892.0	2897.0	cu-sul-b catcl serpent ol-b gabb w/qtz vn
19799	DU-13	8	61	11	1913.7	1919.6	ctc zn of ol-gabb; ox-rich hfls; and anorth
19800	DU-13	8	61	11	1327.5	1337.4	gradational ctc zn of anortc-ol-gabb and anorth
19801	DU-13	8	61	11	3347.7	3357.5	cu-sul-b cgr pegmtdl ol-b gabb w/zircons and locly ox-rich in pegmts
19802	DU-13	8	61	11	1919.0	0	fgr anorth w/thin strngrs of mgt or chromite on lwr ctc hfls
19803	DU-13	8	61	11	3503.0	3510.0	cu-sul-rich norite and mela-gabb w/suls of cp>bo>po
19804	DU-13	8	61	11	3536.0	3554.0	cu-sul-rich gabb-norite; mass po; and pyx-monzonite
19805	DU-13	8	61	11	3655.0	3661.0	cp-bearing catcl granite
19806	D-6A	11	60	12	189.3	199.0	cu-sul-b ol-b gabb-pegmt w/dsd plag-rich clots
19807	D-6A	11	60	12	383.0	392.4	catcl fault breccia; 90% feldspar w/hematite; amph; and clay cement
19808	D-6A	11	60	12	517.0	526.0	cu-sul-b cgr pegmtdl ol-gabb w/minor mixed mgr troct
19809	D-6A	11	60	12	681.0	694.0	cu-sul-b mixed zn of cgr gabc-anorth and cgr ol-gabb
19810	D-6A	11	60	12	703.7	713.0	mixed: cu-sul-b gabb pegmt; troct; ol-gabb; and anorth
19811	D-6A	11	60	12	1240.0	0	cgr bio and pyx-b troct
19812	D-6A	11	60	12	1246.0	1256.0	cu-sul-b qtz-bio-plag-hbl-dior to hbl-mela-dior
19813	D-6A	11	60	12	1256.0	1266.0	cu-sul-b qtz-bio-plag-hbl-dior to hbl-mela-dior
19814	D-6A	11	60	12	1266.0	1269.5	cu-sul-b qtz-bio-plag-hbl-dior to hbl-mela-dior
19815	D-6A	11	60	12	389.0	0	pink-leached hematite-stained feldspars
19816	D-6A	11	60	12	1344.5	1354.0	mixed: cu-sul-rich; cgr troct; ox-rich serpent picr; and gabb pegmt

APPENDIX A-2

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	SAMPLING INTERVAL ENDING	BRIEF LITHOLOGIC SUMMARY
19817	D-6A	11 60 12	1371.3	0	fgr ox-rich serpent feldspathic-dunite w/possible chromite(?)
19818	D-6A	11 60 12	1402.4	1412.4	cgr cu-sul-rich troct mixed w/serpent-picr
19819	D-6A	11 60 12	1451.7	1461.0	fgr ox-rich dunite or possibly diopsidic-pyxt
19820	D-6A	11 60 12	1392.0	0	mixed: sub-mylonitic troct and serpent dunite
19821	D-6A	11 60 12	1518.7	1529.8	cu-sul-b hfls picr and troct
19822	D-6A	11 60 12	1625.0	1634.8	mixed: cu-sul-rich serpent picr and cu-sul-b troct
19823	D-6A	11 60 12	1659.5	1669.3	cu-sul-rich pegmtdl ol-gabb and mixed: cgr troct and picr
19824	D-6A	11 60 12	1730.5	1740.5	cu-sul-b ol-gabb w/mixed portions of anorth
19825	D-6A	11 60 12	1740.5	1750.5	cu-sul-b ol-gabb w/mixed portions of anorth w/mgt oiks
19826	D-6A	11 60 12	1839.0	0	fgr ol-pyxt w/rusty fluid drops and dried wht and blue spots
19827	D-6A	11 60 12	1914.6	1924.6	cu-sul-b troct; apatite-b pegmtdl gabb; and dior
19828	D-6A	11 60 12	1351.0	0	cu-sul-b serpent-picr w/a pegmtdl plag xenocryst
19829	D-6A	11 60 12	2015.6	2021.0	fgr cu-sul-b norite and mgr-cgr amph-gabb
19830	D-6A	11 60 12	2052.4	2057.0	cu-sul-b pyx-monzonite
19831	BA-4	1 59 13	172.0	182.0	ctc zn of cgr anortc-troct and serpent-picr
19832	BA-4	1 59 13	201.0	210.6	serpent-picr w/rusty-red fluid drops on core surface
19833	BA-4	1 59 13	285.0	295.0	pegmtdl anortc-ol-gabb
19834	BA-4	1 59 13	517.0	526.0	cu-sul-b ox-rich uralitized ol-gabb
19835	BA-4	1 59 13	580.7	587.0	cu-sul-b ox-rich uralitized ol-gabb
19836	BA-4	1 59 13	627.0	637.0	highly altered cu-sul-b bio-qtz-plag-hbl-monzonite
19837	BA-4	1 59 13	675.3	678.8	cu-sul-b ox-rich gabb w/portions of mgr-cgr troct
19838	BA-4	1 59 13	715.0	725.0	mixed zn w/cgr troct; ox-rich norite; sul; and ox-rich gabb
19839	BA-4	1 59 13	767.0	772.0	cu-sul-b ox-rich ol-gabb
19840	BA-4	1 59 13	989.0	997.0	cu-sul-b ox-rich uralitized ol-gabb
19841	BA-4	1 59 13	1214.0	1223.8	cu-sul-rich ox-b feldspathic-pyxt
19842	BA-4	1 59 13	1223.8	1233.7	cu-sul-rich ox-b feldspathic-pyxt
19843	BA-4	1 59 13	1233.7	1245.0	mgt-b serpent-ultmaf
19844	BA-4	1 59 13	1245.0	1253.4	cu-sul-b ox-rich ol-pyxt
19845	BA-4	1 59 13	1253.4	1264.0	cu-sul-b ox-rich ol-pyxt
19846	BA-4	1 59 13	1264.0	1274.0	cu-sul-b ox-rich ol-pyxt
19847	BA-4	1 59 13	1274.0	1275.4	cu-sul-b ox-rich ol-pyxt
19848	BA-4	1 59 13	1275.4	1278.0	cgr cu-sul-b troct
19849	BA-4	1 59 13	1301.3	1311.0	cu-sul and ox-b mela-gabb and cgr-troct
19850	BA-4	1 59 13	1607.2	1617.0	mixed: cgr ol-gabb; cu-sul-b norite; and ox-rich cu-sul-b ol-gabb
19851	BA-4	1 59 13	1713.5	1723.4	cu-sul-b ox-rich gabb w/troct and mgr norite
19852	BA-4	1 59 13	1742.3	1752.0	mixed: troct and ox-rich cu-sul-b gabb cut by bio-granite vns
19853	BA-4	1 59 13	1808.0	1817.8	ctc zn of mgr troct and cgr trocc-anorth
19854	BA-4	1 59 13	1866.0	1875.8	ox-rich cu-sul-b gabb w/anortc-troct and pegmtdl bio-granite
19855	BA-4	1 59 13	1923.0	1932.8	mixed: ol-gabb; anortc-gabb; and serpent-picr
19856	BA-4	1 59 13	1932.8	1942.4	serpent-picr w/rusty-red fluid drops on core surface
19857	BA-4	1 59 13	2133.3	2145.3	pegmtdl bio-plag-granite
19858	BA-4	1 59 13	2155.0	2165.0	mixed: cgr troct and cgr ox-rich cu-sul-b ol-b mela-gabb
19859	BA-4	1 59 13	2292.0	2301.0	cgr serpent-pyx-troct
19860	BA-4	1 59 13	2301.0	2311.0	mgr cu-sul-b troct
19861	BA-4	1 59 13	2330.3	2340.3	ctc zn of cu-sul-b mgr troct and cu-sul-b cgr troct
19862	BA-4	1 59 13	2350.4	2361.0	cgr cu-sul-b pyx-b anortc-troct
19863	BA-4	1 59 13	2418.6	2427.4	cu-sul-b anortc-troct mixed w/cu-sul-b pyx-picr
19864	BA-4	1 59 13	2447.0	2457.0	mixed: cu-sul-b troct and pyx-picr
19865	BA-4	1 59 13	2477.0	2485.0	cu-sul-b ox-rich modly-serpent-picr w/rusty-red fluid drops
19866	BA-4	1 59 13	2496.0	2506.0	cu-sul-b picr and bio-granite pegmt
19867	BA-4	1 59 13	2554.0	2564.0	cu-sul-b cgr-pegmtdl trocc-anorth
19868	BA-4	1 59 13	2633.0	2643.0	cu-sul-b metamorphosed iron formation
19869	W-12	19 59 13	223.0	233.0	po and graphite-b pelitic hfls
19870	W-12	19 59 13	281.3	291.6	bio and pyx-b trocc-anorth w/a 4' contaminated zone
19871	W-12	19 59 13	311.0	320.0	serpent-picr

APPENDIX A-3

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
19872	W-12	19 59 13	320.0	330.0	serpent-picr w/mixed troct and ol-gabb
19873	W-12	19 59 13	330.0	340.0	cu-sul-b ol-gabb
19874	W-12	19 59 13	340.0	350.0	cu-sul-b to cu-sul-rich ol-gabb
19875	W-12	19 59 13	492.5	502.0	ox-b feldspathic dunite w/plag strngrs
19876	W-12	19 59 13	545.0	555.0	cgr anortc-pyx-troct an ox-rich cu-sul-b picr
19877	W-12	19 59 13	555.0	564.7	ox-rich cu-sul-b picr w/15-60% ox
19878	W-12	19 59 13	564.7	574.0	cgr uralitized ol-b gabb w/a 9" ox-rich picr portion
19879	W-12	19 59 13	612.5	622.5	cgr uralitized ol-b gabb
19880	W-12	19 59 13	622.5	632.5	mgr ox-b troct w/some mixed in cgr ol-gabb
19881	W-12	19 59 13	672.6	682.4	cu-sul-rich cgr to pegmtdl anortc-ol-gabb
19882	W-12	19 59 13	791.0	799.3	ctc zone of basalt hfls and uralitized ol-gabb
19883	W-12	19 59 13	899.0	909.0	cu-sul-b bio-schist and anortc-pyx-troct
19884	W-12	19 59 13	1199.0	1209.0	mgr cu-sul-b ol-b gabb
19885	BA-3	14 59 13	247.3	257.0	ox-b to ox-rich serpent-picr
19886	BA-3	14 59 13	1022.0	1032.0	mixed zone of anortc-troct; troct; and picr
19887	BA-3	14 59 13	1032.0	1042.0	picr w/serpent-fracs and fgr noritic hfls
19888	BA-3	14 59 13	1039.2	0	mgr modly serpent-picr
19889	BA-3	14 59 13	1119.0	1129.0	mixed zone of picr and cu-sul-b ol-b gabc-anorth
19890	BA-3	14 59 13	1158.0	1167.5	mgr-picr and cu-sul-b ol-mela-gabb
19891	BA-3	14 59 13	1167.5	1177.5	cu-sul-b ol-mela-gabb and mgr-cgr anortc-troct
19892	BA-3	14 59 13	1321.0	1325.0	anortc-troct; cumulate mgt; and fgr ol-norite hfls
19893	BA-3	14 59 13	1835.0	1844.0	troct-hfls and cu-sul-b ol-gabb
19894	BA-3	14 59 13	1863.2	1872.0	cu-sul-b ox-rich ol-mela-gabb
19895	BA-3	14 59 13	1920.0	1930.0	ol-gabb and cu-sul-b ox-rich ol-mela-gabb
19896	BA-3	14 59 13	2363.0	2372.6	native cu-b ox-rich pyx-picr
19897	BA-3	14 59 13	2372.6	2382.0	native cu-b ox-rich pyx-picr
19898	BA-3	14 59 13	2382.0	2392.0	feldspathic-dunite and troct
19899	BA-3	14 59 13	2523.0	2532.8	mixed: ox-rich cu-sul-b ol-mela-gabb; troct; and anortc-troct
19900	BA-3	14 59 13	2599.0	2608.0	anortc-troct w/layers of ox-rich ol-b mela-norite
19901	BA-3	14 59 13	2608.0	2617.7	mixed: qtz plag-bio-amph-mela-dior; anortc-troct; and ox-rich norite
19902	BA-3	14 59 13	2638.0	2647.0	qtz-plag-bio-amph-mela-dior
19903	BA-3	14 59 13	2647.0	2658.6	cu-sul-b qtz-plag-bio-amph-mela-dior
19904	BA-3	14 59 13	2800.0	2803.4	ox-rich cu-sul-b ol-mela-gabb
19905	BA-3	14 59 13	3032.0	3041.0	fol anortc-troct w/cum ol-layers
19906	BA-3	14 59 13	3330.0	3335.7	ox-rich cu-sul-b uralitized mela-gabb
19907	BA-3	14 59 13	3274.8	3284.3	cu-sul-b ox-rich mela-gabb w/qtz contamination upp 4'
19908	BA-3	14 59 13	3365.0	3375.0	cu-sul-b feldspathic-pyxt w/pegmtdl plag-qtz veins
19909	BA-3	14 59 13	3414.0	3424.0	cgr pegmtdl mixed: cu-sul-b pyxt and ol-gabb
19910	BA-3	14 59 13	3424.0	3434.0	cgr pegmtdl mixed: cu-sul-b pyxt and ol-gabb
19911	BA-3	14 59 13	3434.0	3444.0	cgr-pegmtdl mixed: cu-sul-b pyxt and ol-gabb
19912	BA-3	14 59 13	3503.0	3513.0	cu-sul-b ctc zone of gabb and anortc gabb
19913	BA-3	14 59 13	3559.7	3569.0	uralitized anortc-gabb
19914	B-3	36 59 14	268.6	269.8	cu-sul-b ox-b pegmtdl gabb w/apatite(?)
19915	B-3	36 59 14	361.5	363.5	cu-sul-b ox-b pyx-troct
19916	B-3	36 59 14	367.0	368.5	cu-sul-b ox-b pyx-troct
19917	B-3	36 59 14	662.0	667.0	cu-sul-b mgr ol-mela-gabb
19918	B-3	36 59 14	783.0	793.0	cu-sul-b troct and trocc-anorth
19919	B-3	36 59 14	806.0	815.6	mixed: cu-sul-b; troct; anortc-troct; and pyx-picr
19920	B-3	36 59 14	818.0	825.0	native cu-b; cu-sul-b feldspathic-dunite
19921	B-3	36 59 14	825.0	832.9	cu-sul-b ol-b anortc-gabb to gabc-anorth
19922	B-3	36 59 14	991.0	1001.0	cu-sul-b picr to troct w/a tr of native cu
19923	B-3	36 59 14	1011.0	1021.0	cu-sul-b ol-b anortc-gabb
19924	B-3	36 59 14	1029.0	1039.0	cu-sul-b ol-b anortc-gabb
19925	B-3	36 59 14	1045.0	1054.5	cu-sul-b ol-b anortc-gabb
19926	B-3	36 59 14	1099.0	1109.0	cu-sul-b ol-b anortc-gabb

APPENDIX A-4

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	SAMPLING INTERVAL ENDING	BRIEF LITHOLOGIC SUMMARY
19927	B-3	36 59 14	1297.0	1306.6	mixed: ol-b anortc-gabb and cu-sul-b picr
19928	B-3	36 59 14	1330.6	1336.2	ol-gabb and cu-sul-b picr w/native cu
19929	B-3	36 59 14	1453.5	1463.5	pegmtdl ol-b anortc-gabb w/a tr of cu-sul
19930	B-3	36 59 14	1595.8	1605.8	cu-sul-b pyx-troct w/ox-rich zns
19931	B-3	36 59 14	1749.0	1759.0	cu-sul-b ol-b ox-b gabb pegmt
19932	B-3	36 59 14	1759.0	1769.0	cu-sul-b ox-b ol-b pegmtdl gabb
19933	B-3	36 59 14	1782.5	1792.5	mixed: cu-sul-b ol-gabb pegmt and mgr troct
19934	B-3	36 59 14	1833.5	1837.5	anortc-troct and cu-sul-b pyx-troct
19935	B-3	36 59 14	1871.5	1875.8	cu-sul-b pegmtdl ox-rich inhomo gabb w/oxidite lenses and rusty-red drops
19936	B-3	36 59 14	2466.0	2476.0	anortc-pyx-troct w/a trace of po and cp
19937	W-5	3 58 14	65.6	75.0	mixed: anortc-troct and gabb; locly cu-sul-rich (4%)
19938	W-5	3 58 14	84.5	93.0	mixed: anortc-troct and ol-gabb; locl apatite and serpentn
19939	W-5	3 58 14	315.0	325.0	1' of fgr anortc-troct and 9' of cu-sul-b cgr pyx-b anortc-troct
19940	W-5	3 58 14	408.5	418.0	cu-sul-b pyx-b mgr anortc-troct w/1' of pegmtdl gabb
19941	W-5	3 58 14	518.4	528.2	mgr ol-b cu-sul-b feldspathic-pyxt
19942	W-5	3 58 14	561.0	570.0	cu-sul-rich cgr anortc-gabb and mgr cu-sul-rich gabb to mela-gabb
19943	W-5	3 58 14	607.9	617.0	ctc of ol-b cu-sul-b anortc-gabb and fgr pelitic-hfls
19944	W-5	3 58 14	655.7	665.0	mixed: cu-sul-b anortc-gabb and cu-sul-b ol-pyxt
19945	W-5	3 58 14	684.0	694.0	mixed: cu-sul-b ol-b mgr gabb and cu-sul-b graphitic-hfls
19946	W-5	3 58 14	807.0	812.5	ctc of cu-sul-rich gabb and footwall cp-b marble
19947	A-2	22 58 14	213.0	223.0	ol-gabb; ox-b cu-sul-b gabb; and minor cu-sul-rich ol-pyxt
19948	A-2	22 58 14	223.0	233.0	mixed: cgr ol-gabb and troct to picr (cu-sul-b throughout)
19949	A-2	22 58 14	233.0	243.0	inhomo mixed: troct and cu-sul-b cgr ol-norite
19950	A-2	22 58 14	243.0	253.0	inhomo mixed: troct and cu-sul-b cgr ol-norite (see misc)
19951	A-2	22 58 14	263.5	273.5	cgr cu-sul-b ol-gabb w/incl of cu-sul-rich ol-pyxt
19952	A-2	22 58 14	310.0	319.5	cgr-pegmtdl ol-gabb and cu-sul-rich ol-pyxt
19953	A-2	22 58 14	471.0	478.0	mixed: troct and cp-rich ol-rich ol-pyxt
19954	A-2	22 58 14	596.0	0	lt-purple mass cordierite-hfls
19955	A-2	22 58 14	743.5	750.1	cu-sul-b to rich mgr-pegmtdl contaminated ol-b gabb
19956	A-2	22 58 14	850.0	860.0	highly serpent and fractured ol-gabb
19957	A-2	22 58 14	1484.0	1492.5	mgr-cgr bio-ol-cu-sul-b gabb
19958	A-2	22 58 14	745.9	0	cp-rich (30%) apatite-b gabb pegmt
19959	A-2	22 58 14	1055.0	1065.0	mixed: pyx-troct and cu-sul-b cgr pegmtdl ol-gabb
19960	A-2	22 58 14	1065.0	1075.0	mixed: pyx-troct and cu-sul-b cgr pegmtdl ol-gabb
19961	A-2	22 58 14	1075.0	1085.0	mixed: pyx-troct and cu-sul-b cgr pegmtdl ol-gabb
19962	A-2	22 58 14	1085.0	1095.0	mixed: pyx-troct and cu-sul-b cgr pegmtdl ol-gabb
19963	A-2	22 58 14	1095.0	1105.0	mixed: pyx-troct and cu-sul-b cgr pegmtdl ol-gabb
19964	A-2	22 58 14	1105.0	1115.0	cgr pegmtdl cu-sul-b ol-gabb
19965	A-2	22 58 14	1115.0	1125.0	cgr pegmtdl cu-sul-b ol-gabb and mgr pyx-troct
19966	A-2	22 58 14	1125.0	1135.0	mixed: pyx-troct and cu-sul-b ol-gabb
19967	A-2	22 58 14	1135.0	1145.0	mixed: pyx-troct and cu-sul-b ol-gabb
19968	A-2	22 58 14	1251.0	1261.0	cu-sul-b mottled ol-gabb
19969	A-2	22 58 14	1293.5	0	apatite and zircon cu-sul-b mela-gabb pegmt
19970	A-2	22 58 14	1315.5	1333.0	(6.5' missing core) mgr ol-gabb w/a tr of cp
19971	A-2	22 58 14	1333.0	1343.0	mgr ol-gabb and cgr pegmtdl cu-sul-b mela-gabb
19972	A-2	22 58 14	1383.0	1393.0	mgr-cgr ol-gabb w/a locl bleb of cp
19973	A-2	22 58 14	1393.0	1403.0	mgr-cgr ol-gabb w/a locl bleb of cp w/2-4% cp>po at 1400-1403'
19974	A-2	22 58 14	1403.0	1409.0	mgr-cgr ol-gabb w/a locl bleb of cp w/2% cp at 1403-1404'
19975	A-4	22 58 14	75.0	85.0	mixed: troct and cu-sul-b serpent picr
19976	A-4	22 58 14	85.0	95.0	mixed: troct and cu-sul-b graphite-b serpent-picr (ox-rich)
19977	A-4	22 58 14	110.0	120.0	cgr graphite and cu-sul-b ox-rich cgr inhomo picr
19978	A-4	22 58 14	134.0	144.0	mixed: cu-sul-b troct and ox-b picr (all cgr)
19979	A-4	22 58 14	159.0	169.0	mixed: cu-sul-b troct and ox-b picr (all cgr)
19980	A-4	22 58 14	169.0	179.0	cu-sul-b ox-rich picr and pegmtdl apatite and cu-sul-b pyx-troct
19981	A-4	22 58 14	189.0	199.0	mixed: troct and ox-rich cu-sul-b picr

APPENDIX A-5

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE			SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
19982	A-4	22	58	14	226.0	236.0	ox-rich cu-sul-b picr w/mixed mgr anortc-troct
19983	A-4	22	58	14	250.0	260.0	cgr ox-rich graphite and cu-sul-b picr w/pegmtdl anortc-pyx-troct
19984	A-4	22	58	14	260.0	270.0	cu-sul-b mixed: troct and ox-rich picr to dunite
19985	A-4	22	58	14	294.0	304.0	mixed: cu-sul-b troct; picr; and feldspathic-dunite; all rich in mgt
19986	A-4	22	58	14	340.0	350.0	cu-sul-b mgr ox-rich (15% mgt) feldspathic-serpent-dunite
19987	A-4	22	58	14	350.0	360.0	cu-sul-b mgr ox-rich (15% mgt) feldspathic-serpent-dunite w/locl pyx grains
19988	A-4	22	58	14	365.0	375.0	cu-sul-b mgr ox-rich (15% mgt) feldspathic-serpent-dunite w/locl pyx grains
19989	A-4	22	58	14	395.0	405.0	cu-sul-b mgr ox-rich (15% mgt) feldspathic-serpent-dunite w/locl pyx grains
19990	A-4	22	58	14	413.0	423.0	cu-sul-b serpent-dunite and cu-sul-b cgr pyx-b troct
19991	A-4	22	58	14	432.0	442.0	pegmtdl pyx-troct and cu-sul-b ox-b serpent-dunite
19992	A-4	22	58	14	455.0	465.0	cu-sul-b ox-b to ox-rich serpent-dunite
19993	A-4	22	58	14	480.0	490.0	cu-sul-b ox-b to ox-rich serpent-dunite
19994	A-4	22	58	14	496.0	0	ox-rich cu-sul-b serpentinite
19995	A-4	22	58	14	510.0	520.0	cu-sul-b ox-b to ox-rich serpent-dunite w/chrysotile vns
19996	A-4	22	58	14	540.0	550.0	cu-sul-b ox-b to ox-rich serpent-dunite
19997	A-4	22	58	14	560.0	570.0	cu-sul ox-b to ox-rich dunite and very ox-rich serpent-dunite
19998	A-4	22	58	14	570.0	580.0	ctc zone between ox-b to ox-rich dunite and very ox-rich serpent-dunite
19999	A-4	22	58	14	581.0	0	serpent ox-rich dunite w/chrysotile and mgt vns
20000	A-4	22	58	14	590.0	600.0	serpent ox-rich dunite w/chrysotile and mgt veins
20001	A-4	22	58	14	610.0	620.0	cu-sul-b ox-rich serpent dunite
20002	A-4	22	58	14	620.0	630.0	cu-sul-b ox-rich serpent dunite
20003	A-4	22	58	14	650.0	660.0	cu-sul-b ox-rich serpent-dunite
20004	A-4	22	58	14	680.0	690.0	cu-sul-b ox-rich serpent-dunite
20005	A-4	22	58	14	690.0	700.0	cu-sul-b ox-rich serpent-dunite
20006	A-4	22	58	14	700.0	710.0	cu-sul-b ox-rich serpent-dunite
20007	A-4	22	58	14	710.0	720.0	cu-sul-b ox-rich serpent-dunite
20009	A-4	22	58	14	747.0	757.0	cu-sul-b ox-b to ox-rich dunite and perid
20010	A-4	22	58	14	757.0	767.0	cu-sul-b ox-b to ox-rich serpent-dunite and perid
20011	A-4	22	58	14	767.0	777.0	mixed: cu-sul-b; serpent-dunite; ol-pyxt; and cgr-troct
20012	A-4	22	58	14	777.0	787.0	mixed: cu-sul-b ol-pyxt and mgr pyx-troct
20013	A-4	22	58	14	787.0	797.0	mixed: mgr pyx-troct w/pods of cu-sul-b ol-pyxt
20014	A-4	22	58	14	819.0	829.0	serpent pyx-troct and cu-sul-b ol-pyxt w/incl of footwall granite(?)
20015	A-1	22	58	14	37.5	39.6	cu-sul-b mgr noritic ol-gabb
20016	A-1	21	58	14	125.5	128.5	cu-sul-b fgr cordierite(?)-bio-hfls
20017	A-1	21	58	14	216.0	218.0	cu-sul-b mgr noritic ol-gabb
20018	A-1	21	58	14	240.3	0	1/4" vein of mass cp w/minor po
20019	A-1	21	58	14	293.0	298.0	cu-sul-b mgr-cgr poik noritic-ol-gabb
20020	A-1	21	58	14	427.0	437.0	ctc of noritic-ol-gabb and fgr pelitic-hfls
20021	A-1	21	58	14	498.0	508.0	py-rich po and cp-b fgr pelitic-hfls
20022	3	34	58	14	45.0	65.0	mgr pyx-b troct w/a trace of cp
20023	3	34	58	14	395.0	405.0	cgr ol-gabb and fgr troct incl w/cu-suls
20024	3	34	58	14	545.0	565.0	cgr troct w/a trace of dissem cu-suls
20025	3	34	58	14	645.0	655.0	cgr cu-sul-b ol-mela-gabb
20026	3	34	58	14	1015.0	1025.0	cu-sul-b ol-gabb w/dsd plag throughout
20027	3	34	58	14	1040.0	1060.0	cu-sul-b ol-mela-gabb w/pegmtdl pyx-oiks
20028	CN-1	28	57	14	230.0	240.0	extremely altered ox-b graphite-rich saprolite(?)
20029	CN-1	28	57	14	280.0	290.0	ctc zn of saprolite and ox-rich locly graphitic serpent-dunite
20030	CN-1	28	57	14	330.0	340.0	ox-rich cu-sul-b serpent-dunite w/local mass graphite pods
20031	CN-1	28	57	14	370.0	380.0	ox-rich cu-sul-b serpent-dunite w/local mass graphite pods
20032	CN-1	28	57	14	420.0	430.0	ox-rich cu-sul-b serpent-dunite w/local mass graphite pods
20033	CN-1	28	57	14	450.0	460.0	cu-sul-b ox-rich serpent-dunite to feldspathic-dunite
20034	CN-1	28	57	14	490.0	500.0	cu-sul-b ox-rich serpent-dunite to feldspathic-dunite
20035	CN-1	28	57	14	520.0	530.0	cu-sul-b ox-rich serpent-dunite and serpent-perid
20036	CN-1	28	57	14	564.0	574.0	cu-sul-b ox-rich perid
20037	CN-1	28	57	14	574.0	584.0	mgr cu-sul-b troct

APPENDIX A-6

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
20038	CN-1	28 57 14	620.0	630.0	mixed: cu-sul-b graphite-b troct and po-rich graphite-b ultmaf
20039	CN-1	28 57 14	623.6	0	cu-sul-ox graphite-b serpent-dunite
20040	CN-1	28 57 14	630.0	640.0	mixed: cu-sul-b troct and po-rich ultmaf
20041	CN-1	28 57 14	637.3	0	po-rich vn w/ilm; spinel(?); and apatite(?)
20042	CN-1	28 57 14	640.0	650.0	mixed: po-rich ultmaf w/ilm; spinel(?); and cu-sul-b troct
20043	CN-1	28 57 14	650.0	0	net textured po w/cp
20044	CN-1	28 57 14	650.0	660.0	cu-sul-b troct w/zones of net-textured po w/ilm and spinels(?)
20045	CN-1	28 57 14	656.5	0	mass po w/cp; ilm; and a spinel w/a grn-streak
20046	CN-1	28 57 14	660.0	670.0	cu-sul-b troct w/thick zns of net-textured po w/ilm and spinels(?)
20047	CN-1	28 57 14	664.6	0	graphite-rich net-textured po w/granular ilm; ol; and spinel(?)
20048	CN-1	28 57 14	667.8	0	serpent-dunite w/dissem po and minor cp (mgt-rich)
20049	CN-1	28 57 14	669.2	0	mass po w/cp; graphite; and granular ilm; ol; and spinel(?)
20050	CN-1	28 57 14	670.0	680.0	cum layered picr w/zns of mass po and a cordierite-hfls incl
20051	CN-1	28 57 14	680.0	690.0	troct and zns of net-textured massive po w/ilm(?)
20052	CN-1	28 57 14	690.0	700.0	mixed: cordierite-hfls; po-rich ultmaf; and troct
20053	CN-1	28 57 14	692.4	0	mass po w/granular ol and ilm
20054	CN-1	28 57 14	693.2	0	blue-purple fgr cordierite(?)-hfls
20055	CN-1	28 57 14	699.0	0	ctc of ilm-b mass po and po-b troct
20056	CN-1	28 57 14	700.0	710.0	cordierite-b hfls w/po-rich ultmaf and minor cu-sul-b troct
20057	CN-1	28 57 14	710.0	720.0	cu-sul-b troct and mixed po-rich dunitic-ultmaf
20058	CN-1	28 57 14	714.7	0	sphene(?); zircon(?); and cp-b modly serpent-troct
20059	CN-1	28 57 14	725.0	735.0	mixed: cgr cu-sul-b troct; fgr cordierite-hfls; and vns of po-rich dunite
20060	CN-1	28 57 14	735.0	745.0	mixed: cu-sul-b troct; coriderite-hfls; and po-rich ultmaf vns
20061	CN-1	28 57 14	765.0	775.0	inhomo mixed: cgr-troct w/po-rich and picritic portions
20062	CN-1	28 57 14	785.0	795.0	mixed po-b troct w/po-rich graphite-b ultmaf portions
20063	CN-1	28 57 14	795.0	805.0	po-b troct and po-rich dunite to feldspathic-dunite
20064	CN-1	28 57 14	805.0	815.0	po-rich cp-b serpent feldspathic-dunite w/cordierite hfls and graphite
20065	CN-1	28 57 14	811.0	0	1/4" vn of cgr po enclosed by bio; with minor cp
20066	CN-1	28 57 14	845.0	855.0	fgr cordierite hfls and po-rich serpent-dunite
20067	CN-1	28 57 14	895.0	905.0	ox-dunite w/2-5% cu-suls and fgr grey and lt-purple hfls
20068	CN-1	28 57 14	905.0	0	cu-sul-b ox-rich (ilm and mgt) serpent-dunite
20069	CN-1	28 57 14	920.0	930.0	inhomo ox-rich dunite to perid and fgr grey-purple hfls
20070	CN-1	28 57 14	940.0	950.0	ox-dunite and fgr cordierite-hfls
20071	CN-1	28 57 14	980.0	990.0	ox-dunite and cordierite-hfls
20072	CN-1	28 57 14	1000.0	1010.0	cu-sul-b perid to ol-pyxt
20073	CN-1	28 57 14	1025.0	1035.0	inhomo fgr-hfls and cu-sul-b perid; pyxt; and ol-pyxt
20074	CN-1	28 57 14	1027.4	0	ctc of hfls and cu-sul-b perid
20075	CN-1	28 57 14	1065.0	1075.0	highly mixed: pelitic and troct-hfls w/cu-sul-b feldspathic-dunite
20076	CN-1	28 57 14	1075.0	1085.0	mixed: trocc and pelitic hfls w/cu-sul-b feldspathic-dunite
20077	CN-1	28 57 14	1135.0	1145.0	mixed: trocc-hfls w/cu-sul-b ox-b to ox-rich perid to dunite
20078	CN-1	28 57 14	1143.8	0	fgr trocc-hfls
20079	CN-1	28 57 14	1165.0	1175.0	mixed: trocc-hfls w/vns and ireg zns of cu-sul-b feldspathic-perid
20080	CN-7	28 57 14	125.0	135.0	cu-sul-b ox-b to ox-rich cgr perid to pyxt w/locl apatite
20081	CN-7	28 57 14	155.0	165.0	cgr sul-b ox-rich perid to pyxt w/pink (titanif) pyx
20082	CN-7	28 57 14	163.3	0	cu-sul-b ox-b ol-pyxt w/pink (titanif) cgr-pyx
20083	CN-7	28 57 14	165.0	175.0	cu-sul-b ox-b perid grading to cu-sul-b pyx-b picr
20084	CN-7	28 57 14	175.0	185.0	inhomo ox-dunite; troct; and cu-sul-b ox-rich pegmtdl-mela-gabb
20085	CN-7	28 57 14	320.0	330.0	highly mixed: cu-sul-b; anortc-troct; troct; and picr
20086	CN-7	28 57 14	330.0	340.0	inhomo cu-sul and graphite-b anortc-troct to picr
20087	CN-7	28 57 14	337.0	0	cgr ox-b inhomo troct
20088	CN-7	28 57 14	350.0	360.0	inhomo anortc-troct to cu-sul and apatite-b ol-pyxt (bio + qtz at 351')
20089	CN-7	28 57 14	358.4	0	inhomo anortc-troct to troct
20090	CN-7	28 57 14	370.0	380.0	cgr inhomo troct w/a 3' section of cu-sul-b pyx-picr
20091	CN-7	28 57 14	405.0	415.0	cu-sul-b pyx-b cgr-pegmtdl trocc-anorth
20092	CN-7	28 57 14	520.0	530.0	cu-sul and ox-b mgr feldspathic-perid and 3' of anortc-troct

APPENDIX A-7

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
20093	CN-7	28 57 14	545.0	555.0	cu-sul-b and ox-b cgr perid
20094	CN-7	28 57 14	555.0	565.0	cgr anortc-troct to troct w/minor ox and cu-sul-b perid
20095	CN-7	28 57 14	585.0	595.0	cu-sul and ox-b feldspathic-perid w/local graphite; 2' of anortc-troct
20096	CN-7	28 57 14	630.0	640.0	ctc zone of cgr troct; pyx-b troct; and ox-b perid w/a tr of cu-sul
20097	CN-7	28 57 14	639.0	0	ox-b perid w/a trace of po
20098	CN-7	28 57 14	655.0	665.0	ox-b inhomo feldspathic-perid w/very ireg plag-rich pods; locl tr of po
20099	CN-7	28 57 14	675.0	685.0	cu-sul-b ox-rich feldspathic-ol-pyxt w/pink (titanif) pyx; cp-rich at base
20100	CN-7	28 57 14	685.0	695.0	ctc zone of perid over inhomo anortc-troct
20101	CN-7	28 57 14	695.0	705.0	inhomo mixed: anortc-troct w/minor zns of cu-sul and ox-b perid
20102	CN-7	28 57 14	760.0	770.0	ox-b serpent-dunite w/locl po and cp
20103	CN-7	28 57 14	820.0	830.0	ox-b serpent-dunite w/locl graphitic portions; minor po and cp; locl perid
20104	CN-7	28 57 14	826.0	0	cu-sul-b ox-b cgr perid only modly serpent
20105	CN-7	28 57 14	885.0	895.0	cu-sul and ox-b serpent-dunite to feldspathic-dunite (rusty-red drops)
20106	CN-7	28 57 14	930.0	940.0	cu-sul and ox-b serpent-dunite to feldspathic-dunite (rusty-red drops)
20107	CN-7	28 57 14	970.0	980.0	ox and po-rich pyx-dunite modly serpent
20108	CN-7	28 57 14	1010.0	1020.0	ox and po-rich pyx-dunite; graphite coating cleavage planes in po locly
20109	CN-7	28 57 14	1035.0	1045.0	ox and po-rich pyx-dunite; graphite coating cleavage planes in po locly
20110	CN-7	28 57 14	1055.0	1065.0	ox and po-rich dunite to perid
20111	CN-7	28 57 14	1085.0	1095.0	ox-rich locly po-b dunite w/rusty-red drops
20112	CN-7	28 57 14	1105.0	1115.0	ox-rich sul-b dunite w/a slight mixing w/anortc-troct
20113	CN-7	28 57 14	1115.0	1125.0	mixed: ox-rich sul-b dunite and sul-b anortc-troct
20114	CN-7	28 57 14	1125.0	1135.0	mixed: ox-rich po-b dunite and sul-b anortc-troct
20115	CN-7	28 57 14	1135.0	1145.0	mixed: ox-rich po-b dunite and sul-b anortc-troct
20116	CN-7	28 57 14	1160.0	1170.0	mixed: trocc-anortc and ox-rich dunite; picrtc in mixed portions
20117	CN-7	28 57 14	1170.0	1180.0	mixed: po-b troct and oxide-rich po-b dunite
20118	CN-7	28 57 14	1180.0	1190.0	highly mixed: ox-dunite; anortc-troct; and cordierite-hfls
20119	CN-7	28 57 14	1190.0	1200.0	mixed: oxidite; cgr troct; trocc-hfls; and sedimentary-hfls
20120	CN-7	28 57 14	1245.0	1255.0	hflsic-troct cut by vns of cgr cu-sul-b feldspathic-pyxt
20121	CN-7	28 57 14	1300.0	1310.0	mixed: po-rich perid; troct; and cordierite-hfls
20122	CN-7	28 57 14	1310.0	1320.0	po-rich perid
20123	CN-7	28 57 14	1380.0	1390.0	mixed: po-b pyxt; hflsic-troct; and cgr po-b troct
20124	CN-7	28 57 14	1390.0	1400.0	po-b cgr troct w/incl of hflsic-troct
20125	CN-7	28 57 14	1446.0	1456.0	fgr trocc-hfls w/2-12" intervals of massive po (w/5% cp)
20126	CN-7	28 57 14	1480.0	1490.0	mgr pyx-b troct (hflsic?) cut by 4-12" massive po w/apatite prisms
20127	CN-7	28 57 14	1486.5	0	mass po w/apatite and cp
20128	CN-7	28 57 14	1500.0	1510.0	sedimentary hfls cut by vns of cu-sul-b mgr pyxt; locly po-rich
20129	CN-7	28 57 14	1570.0	1580.0	mixed: cordierite-hfls; hflsic-troct; and cu-sul-b pyxt
20130	CN-7	28 57 14	1600.0	1610.0	mixed: cordierite-hfls; hflsic-troct; and minor cu-sul-b pyxt and troct
20131	CN-7	28 57 14	1640.0	1650.0	cu-sul-b pyxt vns in contaminated cu-sul-b troct w/minor cordierite-hfls
20132	CN-7	28 57 14	1643.5	0	ctc of contaminated cu-sul-b troct and cordierite-hfls
20133	CN-7	28 57 14	1159.0	0	ilm-rich w/plag and spinel(?)
20134	STD		0	0	USGS troct cumulate standard
20135	STD		0	0.0	USGS troct cumulate standard
20137	S-1	10 57 11	118.0	128.5	ox-b ol-b gabb w/tr of cu-sul; locl cum ox layer
20138	S-1	10 57 11	128.5	136.0	layered cu-sul and ox-rich cum pyx-troct
20139	S-1	10 57 11	136.0	143.3	mgr-fgr fol ox-b ol-b gabb and ol-mela-gabb w/tr of cu-sul
20140	S-1	10 57 11	141.8	0	fgr fol ox-rich ol-mela-gabb w/tr of cu-sul
20141	FL-2	12 59 11	52.1	61.3	cgr pyx-b anortc-troct; oxidized ol in upp 3'
20142	FL-1	12 59 11	43.2	50.7	fgr ox-rich mela-gabb w/cgr pyx and mgt clots
20143	FL-1	12 59 11	92.6	95.5	cgr mgt-rich layer w/tr of cp and native copper
20144	FL-1	12 59 11	94.6	0	cgr mgt-rich ol-b gabb w/tr of native copper in plag xls
20145	FL-1	12 59 11	100.0	110.0	fgr-mgr ox-rich basalt(?) hfls w/minor ox-b anortc-gabb
20146	FL-1	12 59 11	115.5	125.5	mgr ox-rich gabb w/tr of native copper
20147	NE-2	26 60 10	269.0	275.0	mixed: cgr cu-sul-b ox-b gabb and mgr ol-b ox-gabb
20148	NE-2	26 60 10	287.0	289.0	cu-sul-rich ox-rich ol-mela-gabb (~4% cp)

APPENDIX A-8

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE			SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
20149	NE-2	26	60	10	303.0	306.0	ox-rich fgr ol-mela-gabb to ol-b gabb w/possible chromite
20150	NE-2	26	60	10	554.0	564.0	cu-sul-b ilm-b ol-b gabb w/1-3" pyx oiks and plag xenocrysts
20151	NE-2	26	60	10	746.0	756.0	ox-b ol-b poik gabb to mela-gabb; cgr pegmtdl w/tr cp
20152	IS-1	2	59	9	213.0	218.6	cgr apatite-b gabc-anorth w/intergranular graphic granite and a tr of cp
20153	IS-1	2	59	9	301.0	310.6	fgr hflsic basalt w/thin cp-b ox-b pyxt vns
20154	IS-1	2	59	9	369.2	378.5	fgr hflsic basalt cut by mgt-rich pyxt vns
20155	NR-1	25	59	9	367.0	376.8	mgr-cgr ox-b to ox-rich gabb w/tr (0.5%) cp
20156	NR-1	25	59	9	668.0	674.5	mgr-cgr ox-rich ol-b gabb w/a tr of cp
20157	NR-1	25	59	9	699.0	704.3	layered ox-b to ox-rich gabb w/bio and tr of cp
20158	NR-1	25	59	9	705.3	711.1	layered ox-b to ox-rich gabb w/bio and tr of cp
20159	NR-1	25	59	9	756.0	765.0	ox-b to ox-rich layered ol-gabb w/thin pyx-troct layers
20160	NR-1	25	59	9	795.3	799.3	fgr cu-sul-b picr xenolith(?) w/6" of cgr troct at 797'
20161	NR-1	25	59	9	807.5	816.8	mgr fol ox-rich ol-b mela-gabb; ox increases w/depth; tr of cp
20162	NR-1	25	59	9	818.8	827.2	mgr fol ox-rich ol-b mela-gabb; possible cumulate zn
20163	NR-1	25	59	9	857.7	866.7	highly altered and fractured ol-b gabb to mela-gabb
20164	NR-1	25	59	9	891.8	901.8	mgr layered ox-b to ox-rich troct to mela-gabb w/tr of cp
20165	NR-1	25	59	9	903.8	913.8	mgr ox-rich ol-b mela-gabb and cgr ol-b gabb layers
20166	G-5	26	63	3	784.0	792.0	xen of ox-b fgr troct w/pods of ox-rich picr to dunite
20167	G-5	26	63	3	788.0	0	ctc of ox-b picr and cgr troct
20168	G-5	26	63	3	791.9	0	basal ctc of fgr troct xen and troct
20169	G-5	26	63	3	808.0	810.0	pegmtdl qtz and apatite-b ox-b gabb
20170	G-5	26	63	3	870.0	880.0	mixed portion w/troct; pyx-troct; and locl pods of anorth
20171	G-5	26	63	3	883.0	887.4	ox-rich mgr-cgr picr
20172	G-5	26	63	3	955.0	957.5	mgr bio-b pyx-b troct w/dsd plag
20173	G-5	26	63	3	980.0	990.0	ctc of pyx-b troct and footwall felsite
20174	G-4	23	63	3	123.5	133.5	mgr-cgr pyx-troct w/a tr of cp
20175	G-4	23	63	3	133.5	137.5	fgr cumulate picr
20176	G-4	23	63	3	137.3	0	basal ctc of picr and pyx-b troct
20177	G-4	23	63	3	155.0	165.0	cu-sul-b pyx-b troct; dissem and locl clots of po and cp
20178	G-4	23	63	3	202.0	211.0	cu-sul-b mgr serpent-troct to picr; cumulate zn(?)
20179	G-4	23	63	3	247.0	252.5	cu-sul-b pyx-b troct w/diss's and clots of po and cp
20180	G-4	23	63	3	272.0	281.0	mixed cu-sul-b troct to picr; contaminated w/footwall felsite
20181	G-4	23	63	3	272.9	0	cu-sul-b serpent-picr
20182	G-4	23	63	3	279.0	0	contaminated; picr and footwall felsite zn w/clots of cp and po
20183	G-4	23	63	3	281.0	285.0	pink porphyritic granite w/phens of feldspar in granophyre matrix
20184	G-3	23	63	3	78.0	88.0	ctc zn of pyx-b troct and serpent-hflsic basalt
20185	G-3	23	63	3	120.5	125.0	fgr po-b ox-b meta-basalt hfls
20186	G-3	23	63	3	190.0	200.0	cu-sul-b cgr pegmtdl pyx-b anortc-troct w/dsd plag
20187	G-3	23	63	3	210.0	220.0	cu-sul-b mixed cgr pegmtdl anorth to pyx-troct; dsd plag ubiquitous
20188	G-3	23	63	3	265.0	275.0	cu-sul-b pyx-b mgr troct
20189	G-3	23	63	3	285.0	295.0	inhomo mgr pyx-troct and qtz-b altered gabb(?)
20190	G-3	23	63	3	295.0	305.0	mgr pyx troct and cgr pegmtdl cu-sul-b ol-gabb
20191	G-3	23	63	3	307.5	317.5	mgr pyx-b troct grading to picr at base; locl tr of cp
20192	G-3	23	63	3	317.5	321.5	mgr cu-sul-b serpent-picr
20193	G-3	23	63	3	395.8	405.8	cu-sul-b contaminated troct w/footwall felsic clasts(?)
20194	G-3	23	63	3	405.8	416.0	py-rich cu-sul-b ox-b silicified intermediate to felsic lavas/tuffs(?)
20195	G-3	23	63	3	416.0	426.0	py-rich silicified intermediate to felsic lavas/tuffs(?)
20196	G-3	23	63	3	420.6	0	felsic volcanics w/thin vns of chl and suls (py + cp)
20197	G-3	23	63	3	425.7	0	possible flow-banding in py-rich rhyolite(?)
20198	G-3	23	63	3	469.0	479.0	silicified py-b felsite
20199	G-3	23	63	3	495.0	505.0	py-b intermediate to felsic tuffs or flows(?)
20200	G-3	23	63	3	515.0	525.0	py-b intermediate to felsic volcanics
20201	G-6	23	63	3	96.0	106.0	cgr pyx-b troct; locly cu-sul-b
20202	G-6	23	63	3	172.5	182.5	cgr pegmtdl pyx-b troct w/a locl tr of cp and po
20203	G-6	23	63	3	195.0	205.0	cu-sul-b mgr pyx-b troct

APPENDIX A-9

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION	TOWNSHIP	RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
20204	G-6	23	63	3	280.0	285.0	cu-sul-b mgr serpent-picr (ol-cumulate zone)
20205	G-6	23	63	3	295.5	305.5	mgr pyx-b troct w/tr of cp and last 2' highly altered
20206	G-6	23	63	3	305.5	315.5	ox-b cu-sul-b fgr-mgr xen of intermediate(?) composition
20207	G-6	23	63	3	307.0	0	cu-sul and ox-b fgr xen
20208	G-6	23	63	3	310.7	0	cu-sul and ox-b fgr-mgr xen of intermediate(?) composition
20209	G-6	23	63	3	333.0	340.0	cu-sul and ox-b fgr-mgr xen of intermediate(?) composition (lwr portion)
20210	G-6	23	63	3	337.3	0	cp-b fgr andesitic(?) xen
20211	G-6	23	63	3	355.0	365.0	mgr cu-sul-b troct to picr
20212	G-6	23	63	3	377.0	387.0	mixed: troct and footwall felsite
20213	G-6	23	63	3	387.0	395.0	py-b felsic footwall
20214	G-6	23	63	3	395.0	405.0	py-b felsic footwall
20215	G-6	23	63	3	404.8	0	epidote vns in fracs of footwall felsite
20216	SR-1	36	58	9	315.0	325.0	ox-b to ox-rich fol layered gabb to mela-gabb w/tr of cp
20217	SR-1	36	58	9	322.7	0	thin mgt-pyx layer in fol hbl-altered gabb
20218	SR-1	36	58	9	353.0	356.6	ox-rich mela-gabb w/a tr of cp
20219	SR-1	36	58	9	356.6	359.0	cgr pegmtdl cu-sul-b hbl-syenite (dike)
20220	SR-1	36	58	9	367.3	373.0	hbl-syenite dike w/chilled margin cutting ox-gabbro
20221	SR-1	36	58	9	376.2	384.0	layered fol ox-b to ox-rich locly ol-b mela-gabb w/a tr of cp
20222	SR-1	36	58	9	389.0	399.0	fol ox-rich mela-gabb w/a tr of cp throughout
20223	SR-1	36	58	9	415.0	425.0	fol ox-rich mela-gabb w/a tr of cp throughout
20224	SR-1	36	58	9	425.0	430.1	mixed: cgr hbl-dior contaminated syenite(?); locly cp-b
20225	SR-1	36	58	9	475.0	478.6	mixed zn w/serpent ox-b to ox-rich ol-gabb and cgr syenite
20226	SR-1	36	58	9	513.0	515.0	ox-b gabb cut by a fgr uralitized gabb (possibly norite dike?)
20227	SR-1	36	58	9	515.0	525.0	inhomo ox-b gabb cut by vns of mgr-cgr hbl-syenite and fgr norite
20228	SR-1	36	58	9	530.0	534.0	fgr ox-b uralitized gabb possibly norite composition(?)
20229	SR-1	36	58	9	558.0	559.5	fgr ox-b uralitized gabb possibly norite composition(?)
20230	SR-1	36	58	9	580.9	583.9	ox-b gabb cut by high angle hbld-syenite vns
20231	SR-1	36	58	9	594.0	599.0	mgr ol-b ox-rich mela-gabb
20232	BL-1	36	55	13	130.0	135.0	cu-sul-b mgr ox-gabb (layered) and cgr cu-sul-b anortc-gabb
20233	BL-1	36	55	13	132.0	0	ctc of mgr ox-gabb and cgr anortc-gabb
20234	BL-1	36	55	13	133.0	0	cgr cu-sul-b anortc-gabb
20235	BL-1	36	55	13	201.0	211.0	fgr ox-gabb w/pods and lenses of cgr ox-b cu-sul-b pyxt; suls of cp and bo
20236	BL-1	36	55	13	209.0	0	cu-sul-b ox-rich clot in ox-gabb
20237	BL-1	36	55	13	212.1	215.5	thin granitic dike paralleling core w/1-2" altered zn at ctcs
20238	BL-1	36	55	13	223.0	230.3	ox-rich gabb w/locl ox-pyxt clots and lenses; pyxt has cp and bo
20239	BL-1	36	55	13	230.3	233.8	mgr-cgr oxidite w/pyx and interstitial cp and bo
20240	BL-1	36	55	13	233.8	243.8	cgr ox-rich mela-gabb grades to mgr ox-b gabb w/cp & bo;also granitic dikes
20241	BL-1	36	55	13	243.8	253.8	ox-b micro-gabb cut by numerous altered granitic vns
20242	BL-1	36	55	13	290.7	292.7	ox-micro gabbro w/spots of interstitial bo and cpx lenses locly
20243	BL-1	36	55	13	311.9	318.4	ox-micro gabbro w/cgr pyx-ox lenses and dissem cp and bo throughout
20244	BL-1	36	55	13	402.0	412.0	ox-micro gabb w/locl uralitized cp-b pyxt lenses and clots
20245	BL-1	36	55	13	436.0	441.0	ox-micro gabb w/locl uralitized cp-b pyxt lenses and clots
20246	BL-1	36	55	13	478.0	485.0	ox-micro gabb w/locl uralitized cp-b pyxt lenses and clots; locly ol-b
20247	BL-1	36	55	13	494.0	504.0	ctc zn of ox-micro gabb and mgr porphyritic ox-b gabb
20248	BL-1	36	55	13	521.0	529.0	mgr porphyritic ox-b gabb w/vns of pyxt and gabb
20249	SE-3	25	57	11	276.3	278.3	cp-b altered gabb w/k-spar; bio; chl; and amph
20250	SE-3	25	57	11	370.7	380.7	cp and apatite-b altered gabb; ilm and pyx oiks common
20251	SE-3	25	57	11	373.1	0	cp and apatite-b altered gabb; ilm and pyx oiks common
20252	NE-1	18	60	11	68.0	71.0	modly serpent anortc-troct w/red vn-filling and replacement mineral
20253	NE-1	18	60	11	122.0	130.0	modly serpent anortc-troct w/red vn-filling and replacement mineral
20254	SE-1	35	57	13	415.0	418.0	cu-sul-b ol-b ox-gabb to ox-mela-gabb
20255	SE-1	35	57	13	504.0	514.0	cu-sul-b ox-b pyx-troct w/locl pegmtdl intrcals
20256	SE-1	35	57	13	526.0	530.6	cu-sul-b ox-rich pyx-troct
20257	SE-1	35	57	13	568.3	572.5	ox-b ol-b micro gabb w/numerous granitic to tonalitic vns
20258	SE-1	35	57	13	572.5	574.5	cu-sul-b ox-b to ox-rich pyx-troct

APPENDIX A-10

PROJECT 255-1
SAMPLE LOCATION AND LITHOLOGY

SAMPLE NUMBER	DRILL HOLE	SECTION TOWNSHIP RANGE	SAMPLING INTERVAL BEGINNING	ENDING	BRIEF LITHOLOGIC SUMMARY
20259	SE-1	35 57 13	600.0	603.0	cu-sul-b ox-b ol-gabb
20260	SE-1	35 57 13	644.0	654.0	cu-sul-b ox-b pyx-b troct
20261	SE-1	35 57 13	694.0	701.7	cu-sul-b ox-b pyx-troct w/intrcals of pegmtd
20262	SE-1	35 57 13	699.6	0	cu-sul-b ox-b pyx-troct
20263	SE-1	35 57 13	725.7	735.0	inhomo portion w/cgr troct; micro gabb; and vns of granite
20264	SE-1	35 57 13	748.0	754.4	cu-sul-b ox-b poik ol-gabb w/intrcals of pegmtdl trocc-anorth
20265	SE-1	35 57 13	768.0	778.0	cu-sul-b bio-dior(?) w/fgr recrystallized bio-micro gabb xens
20266	SE-1	35 57 13	788.3	790.3	cu-sul-b modly-alt inhomo portion w/trocc-anorth gradg to pyx-troct
20267	SE-1	35 57 13	865.0	867.0	ox-b bio-gabb intrcal in ol-b gabc-anorth w/tr of cp
20268	SE-1	35 57 13	866.2	0	ox-b bio-gabb w/tr of cp
20269	SE-1	35 57 13	902.0	904.0	ox-b bio-gabb w/tr of cp
20270	SE-1	35 57 13	920.8	922.8	cu-sul-b ox-b bio-gabb intrcal in cgr gabc-anorth
20271	SE-1	35 57 13	935.0	941.0	cu-sul-b ox-b to ox-rich bio-gabb w/intrcal of gabc-anorth
20272	SE-1	35 57 13	949.0	954.0	cu-sul-b ox-b to ox-rich bio-gabb w/intrcal of gabc-anorth
20273	SE-1	35 57 13	1028.0	1033.6	altered anortc-gabb w/vns and pods of granite w/locl contamination
20274	SE-1	35 57 13	1033.6	1043.6	fgr-mgr ox-gabb w/vns of granite and locl bio-rich portions; tr of cp
20275	SE-1	35 57 13	1042.3	0	ctc of mixed cgr anortc-gabb and bio-rich altered ox-gabb
20276	SE-1	35 57 13	1043.6	1053.6	cgr altered anortc-gabb w/mixed: bio and ox-rich mgr portions
20277	SE-1	35 57 13	1049.5	0	cgr altered anortc-gabb w/mixed: bio and ox-rich mgr portions
20278	SE-1	35 57 13	1094.0	1104.0	ox-b anortc-pyx-troct w/abundant bio
20279	SE-1	35 57 13	1164.0	1174.0	cgr pegmtdl ox-b anortc-pyx-troct w/abundant bio and chl; cut by granite vns
20280	SE-1	35 57 13	1277.0	1287.0	cgr ox-b anortc-troct w/locl pegmtdl ox-gabb and dsd plag
20281	SE-1	35 57 13	1286.2	0	ox-rich pegmtdl gabb intrcal
20282	SL-4	10 59 12	306.0	310.0	cp-b cgr pyx-b anortc-troct
20283	SL-4	10 59 12	544.0	554.0	mgr ox-b pyx-b troct w/a tr of cp throughout
20284	SL-1	22 56 14	76.0	84.0	cu-sul-b apatite-rich bio-b ol-b gabb w/chl on fracs
20285	SL-1	22 56 14	83.0	0	cu-sul-b apatite-rich bio-b ol-b gabb
20286	SL-1	22 56 14	139.5	147.0	cu-sul-b bio-b to bio-rich ol-b gabb w/dsd plag; locly ox-rich
20287	SL-1	22 56 14	145.7	0	cu-sul-b ox-rich apatite-b ol-b gabb
20288	SL-1	22 56 14	225.0	227.0	cu-sul-b pyx-troct w/bio and dsd plag locly
20289	SL-1	22 56 14	232.0	236.0	cu-sul-b pyx-troct w/bio
20290	SL-1	22 56 14	318.7	322.0	cu-sul-b ox-b bio-amph-qtz diorite
20291	SL-1	22 56 14	424.0	433.0	cp-b pyx-b troct w/1-6" qtz-dior vns
20292	SL-1	22 56 14	493.7	500.3	cu-sul-b ox-apatite-b bio pyx-troct w/mixed cu-sul-rich ox-picrite
20293	SL-1	22 56 14	520.0	530.0	mixed zn w/fgr picr and cgr bio-troct locly cu-sul-b
20294	SL-1	22 56 14	582.2	589.8	ox-troct w/cgr plag xls surrounded by fgr ol-mgt-chromite-picr
20295	SL-1	22 56 14	714.0	724.0	mgr ox-b dunite to picr w/rounded plag xenocrysts
20296	SL-1	22 56 14	766.0	775.0	mixed: mgr ox-rich dunite and cgr gabc-anorth
20297	SL-1	22 56 14	848.0	858.0	mgr ox-b modly-serpent-dunite w/locl cgr pyx-picr w/plag oiks
20298	SL-1	22 56 14	851.3	0	cgr pyx-picr w/ox and plag oiks
20299	SL-1	22 56 14	883.8	884.8	qtz-dior vn w/0.8' mass qtz vn w/sphalerite and cp
20300	SL-1	22 56 14	940.7	945.0	cgr ox and cu-sul-b altered anortc-gabb w/dsd plag
20301	SL-1	22 56 14	945.0	955.0	mgr bio-rich hflsic-troct(?); dior vns upp 5' of unit; footwall

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
18582	BA-1	8.0	4 59 12	X				
18585	BA-1	10.0	4 59 12	X				
18592	BA-1	8.0	4 59 12	X				
18594	BA-1	10.2	4 59 12	X				
19412	BI-144	10.0	32 60 12	X				
19711	MV2-1W	10.0	30 62 10	X			X	
19712	MV2-1W	10.0	30 62 10	X				
19713	MV2-1W	10.0	30 62 10	X				
19714	MV2-1W	4.0	30 62 10	X			X	
19715	32718	10.0	5 61 11	X				
19716	32718	10.0	5 61 11		X	X		
19717	32718	8.5	5 61 11		X			
19718	32718	9.6	5 61 11		X	X		
19719	32718	5.0	5 61 11		X			
19720	32718	2.0	5 61 11		X			
19721	32718	8.0	5 61 11	X			X	
19722	32718	6.8	5 61 11	X				
19723	32718	5.4	5 61 11		X	X		
19724	32718	10.0	5 61 11	X			X	
19725	32718	10.0	5 61 11	X			X	
19726	32718	10.0	5 61 11	X			X	
19727	32718	10.0	5 61 11	X			X	
19728	32718	5.5	5 61 11	X				
19729	DU-7	2.0	36 62 11	X			X	
19730	DU-7	4.4	36 62 11		X	X		
19731	DU-7	10.0	36 62 11	X		X		
19732	DU-7	10.0	36 62 11	X			X	
19733	DU-7	10.0	36 62 11	X			X	
19734	DU-7	10.0	36 62 11	X				
19735	DU-7	10.0	36 62 11	X			X	
19736	DU-7	10.0	36 62 11	X			X	
19737	DU-7	0	36 62 11				X	
19738	DU-7	10.0	36 62 11	X			X	
19739	DU-7	1.8	36 62 11	X			X	
19740	DU-7	10.0	36 62 11	X				
19741	DU-7	10.7	36 62 11	X			X	
19742	DU-7	10.0	36 62 11	X			X	
19743	DU-7	10.0	36 62 11	X				
19744	DU-7	17.0	36 62 11	X				scrambled core grab sample
19745	DU-7	19.0	36 62 11	X				scrambled core-grab sample
19746	DU-7	19.0	36 62 11	X				scrambled core-grab sample
19747	DU-7	20.0	36 62 11	X				scrambled core-grab sample
19748	DU-7	19.0	36 62 11	X				scrambled core-grab sample
19749	DU-7	18.0	36 62 11	X				scrambled core-grab sample
19750	DU-7	18.0	36 62 11	X				scrambled core-grab sample
19751	DU-7	18.8	36 62 11	X				scrambled core-grab sample
19752	DU-7	19.0	36 62 11	X				scrambled core grab sample
19753	NM-3	10.0	2 61 11	X				
19754	NM-3	10.0	2 61 11	X		X		
19755	NM-3	10.0	2 61 11	X				
19756	NM-3	10.0	2 61 11	X				
19758	NM-3	10.0	2 61 11	X				
19759	NM-3	10.0	2 61 11	X			X	
19760	NM-3	10.0	2 61 11	X				
19761	NM-3	10.0	2 61 11		X		X	

APPENDIX B-1

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
19762	NM-3	0	2 61 11				X	
19763	NM-3	10.0	2 61 11	X			X	
19764	NM-3	0	2 61 11			X		
19765	NM-3	10.0	2 61 11	X			X	
19766	NM-3	9.8	2 61 11	X				
19767	NM-3	0	2 61 11				X	
19768	NM-3	10.0	2 61 11	X				
19769	NM-3	10.0	2 61 11	X		X		
19770	NM-3	0	2 61 11			X		
19771	NM-3	10.0	2 61 11	X		X		
19772	NM-3	9.5	2 61 11	X				
19773	NM-3	10.0	2 61 11	X				
19774	NM-3	9.5	2 61 11	X				
19775	NM-3	9.0	2 61 11	X			X	
19776	NM-3	10.0	2 61 11	X				
19777	NM-3	10.0	2 61 11	X				
19778	NM-3	1.3	2 61 11	X			X	
19779	NM-3	0	2 61 11			X		
19780	NM-3	2.5	2 61 11	X			X	
19781	NM-3	0	2 61 11			X		
19782	NM-3	10.0	2 61 11	X			X	
19783	NM-3	9.0	2 61 11	X				
19784	NM-3	0	2 61 11			X		
19785	NM-3	0	2 61 11			X		
19786	NM-3	0	2 61 11				X	
19787	NM-3	10.0	2 61 11	X			X	
19788	NM-3	9.0	2 61 11	X		X		
19789	NM-3	0	2 61 11				X	
19790	NM-3	8.0	2 61 11	X			X	
19791	NM-3	9.0	2 61 11	X			X	
19792	NM-3	10.0	2 61 11	X			X	
19793	DU-13	10.0	8 61 11	X			X	
19794	DU-13	9.0	8 61 11	X				
19795	DU-13	7.5	8 61 11	X			X	
19796	DU-13	10.0	8 61 11	X				
19797	DU-13	0	8 61 11			X		
19798	DU-13	5.0	8 61 11	X		X		
19799	DU-13	5.9	8 61 11	X			X	
19800	DU-13	9.9	8 61 11	X				
19801	DU-13	9.8	8 61 11	X			X	
19802	DU-13	0	8 61 11				X	
19803	DU-13	7.0	8 61 11	X				grab sample
19804	DU-13	18.0	8 61 11	X				grab sample
19805	DU-13	6.0	8 61 11	X			X	
19806	D-6A	9.7	11 60 12	X			X	
19807	D-6A	9.4	11 60 12		X	X		
19808	D-6A	9.0	11 60 12	X			X	
19809	D-6A	13.0	11 60 12	X			X	
19810	D-6A	9.3	11 60 12	X		X		
19811	D-6A	0	11 60 12			X		
19812	D-6A	10.0	11 60 12	X			X	
19813	D-6A	10.0	11 60 12	X			X	
19814	D-6A	3.5	11 60 12	X				
19815	D-6A	0	11 60 12			X		
19816	D-6A	9.5	11 60 12	X			X	

APPENDIX B-2

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION	TOWNSHIP	RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
19817	D-6A	0	11	60	12				X	
19818	D-6A	10.0	11	60	12	X			X	
19819	D-6A	9.3	11	60	12	X			X	
19820	D-6A	0	11	60	12				X	
19821	D-6A	11.1	11	60	12	X			X	
19822	D-6A	9.8	11	60	12	X			X	
19823	D-6A	9.8	11	60	12	X			X	
19824	D-6A	10.0	11	60	12	X			X	
19825	D-6A	10.0	11	60	12	X				
19826	D-6A	0	11	60	12				X	
19827	D-6A	10.0	11	60	12	X				
19828	D-6A	0	11	60	12			X		
19829	D-6A	5.4	11	60	12	X			X	
19830	D-6A	4.6	11	60	12	X				
19831	BA-4	10.0	1	59	13	X				
19832	BA-4	9.6	1	59	13	X			X	
19833	BA-4	10.0	1	59	13	X			X	
19834	BA-4	9.0	1	59	13	X				
19835	BA-4	6.3	1	59	13	X			X	
19836	BA-4	10.0	1	59	13	X				
19837	BA-4	3.5	1	59	13	X				
19838	BA-4	10.0	1	59	13	X			X	
19839	BA-4	5.0	1	59	13	X			X	
19840	BA-4	8.0	1	59	13	X			X	
19841	BA-4	9.8	1	59	13	X			X	
19842	BA-4	9.9	1	59	13	X				
19843	BA-4	11.3	1	59	13	X			X	
19844	BA-4	8.4	1	59	13	X				
19845	BA-4	10.6	1	59	13	X			X	
19846	BA-4	10.0	1	59	13	X				
19847	BA-4	1.4	1	59	13	X				
19848	BA-4	2.6	1	59	13	X				
19849	BA-4	9.7	1	59	13	X				
19850	BA-4	9.8	1	59	13	X			X	
19851	BA-4	9.9	1	59	13	X			X	
19852	BA-4	9.7	1	59	13	X				
19853	BA-4	9.8	1	59	13	X				
19854	BA-4	9.8	1	59	13	X				
19855	BA-4	9.8	1	59	13	X				
19856	BA-4	9.6	1	59	13	X		X		
19857	BA-4	12.0	1	59	13		X	X		
19858	BA-4	10.0	1	59	13	X			X	
19859	BA-4	9.0	1	59	13	X			X	
19860	BA-4	10.0	1	59	13	X			X	
19861	BA-4	10.0	1	59	13	X				
19862	BA-4	10.6	1	59	13	X			X	
19863	BA-4	8.8	1	59	13	X				
19864	BA-4	10.0	1	59	13	X			X	
19865	BA-4	8.0	1	59	13	X				
19866	BA-4	10.0	1	59	13	X			X	
19867	BA-4	10.0	1	59	13	X				
19868	BA-4	10.0	1	59	13	X			X	
19869	W-12	10.0	19	59	13	X			X	
19870	W-12	10.3	19	59	13	X		X		
19871	W-12	9.0	19	59	13	X		X		

APPENDIX B-3

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
19872	W-12	10.0	19 59 13	X		X		
19873	W-12	10.0	19 59 13	X				
19874	W-12	10.0	19 59 13	X			X	
19875	W-12	9.5	19 59 13	X			X	
19876	W-12	10.0	19 59 13	X			X	
19877	W-12	9.7	19 59 13	X			X	
19878	W-12	9.3	19 59 13	X		X		
19879	W-12	10.0	19 59 13	X		X		
19880	W-12	10.0	19 59 13	X				
19881	W-12	9.8	19 59 13	X			X	
19882	W-12	8.3	19 59 13	X		X		
19883	W-12	10.0	19 59 13	X			X	
19884	W-12	10.0	19 59 13	X			X	
19885	BA-3	9.7	14 59 13	X			X	
19886	BA-3	10.0	14 59 13	X		X		
19887	BA-3	10.0	14 59 13	X		X		
19888	BA-3	0	14 59 13			X		
19889	BA-3	10.0	14 59 13	X			X	
19890	BA-3	9.5	14 59 13	X			X	
19891	BA-3	10.0	14 59 13	X		X		
19892	BA-3	4.0	14 59 13	X			X	
19893	BA-3	9.0	14 59 13	X			X	
19894	BA-3	8.8	14 59 13	X			X	
19895	BA-3	10.0	14 59 13	X			X	
19896	BA-3	9.6	14 59 13	X			X	
19897	BA-3	9.4	14 59 13	X				
19898	BA-3	10.0	14 59 13	X		X		
19899	BA-3	9.8	14 59 13	X			X	
19900	BA-3	9.0	14 59 13	X			X	
19901	BA-3	9.7	14 59 13	X				
19902	BA-3	9.0	14 59 13	X				
19903	BA-3	11.6	14 59 13	X			X	
19904	BA-3	3.4	14 59 13	X				
19905	BA-3	9.0	14 59 13	X				
19906	BA-3	5.7	14 59 13	X			X	
19907	BA-3	9.5	14 59 13	X				
19908	BA-3	10.0	14 59 13	X				
19909	BA-3	10.0	14 59 13	X			X	
19910	BA-3	10.0	14 59 13	X				
19911	BA-3	10.0	14 59 13	X				
19912	BA-3	10.0	14 59 13	X			X	
19913	BA-3	9.3	14 59 13	X		X		
19914	B-3	1.2	36 59 14	X			X	
19915	B-3	2.0	36 59 14	X				
19916	B-3	1.5	36 59 14	X			X	
19917	B-3	5.0	36 59 14	X			X	
19918	B-3	10.0	36 59 14	X			X	
19919	B-3	9.6	36 59 14	X			X	
19920	B-3	7.0	36 59 14	X			X	
19921	B-3	7.9	36 59 14	X				
19922	B-3	10.0	36 59 14	X			X	
19923	B-3	10.0	36 59 14	X			X	
19924	B-3	10.0	36 59 14	X				
19925	B-3	9.5	36 59 14	X			X	
19926	B-3	10.0	36 59 14	X			X	

APPENDIX B-4

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
19927	B-3	9.6	36 59 14	X		X		
19928	B-3	5.6	36 59 14	X			X	
19929	B-3	10.0	36 59 14	X			X	
19930	B-3	10.0	36 59 14	X			X	
19931	B-3	10.0	36 59 14	X				
19932	B-3	10.0	36 59 14	X			X	
19933	B-3	10.0	36 59 14	X		X		
19934	B-3	4.0	36 59 14	X				
19935	B-3	4.3	36 59 14	X			X	
19936	B-3	10.0	36 59 14	X				
19937	W-5	9.4	3 58 14	X			X	
19938	W-5	8.5	3 58 14	X		X		
19939	W-5	10.0	3 58 14	X			X	
19940	W-5	9.5	3 58 14	X				
19941	W-5	9.8	3 58 14	X			X	
19942	W-5	9.0	3 58 14	X			X	
19943	W-5	9.1	3 58 14	X			X	
19944	W-5	9.3	3 58 14	X			X	
19945	W-5	10.0	3 58 14	X			X	
19946	W-5	5.5	3 58 14	X			X	
19947	A-2	10.0	22 58 14	X			X	
19948	A-2	10.0	22 58 14	X				
19949	A-2	10.0	22 58 14	X		X		
19950	A-2	10.0	22 58 14	X				w/minor cu-sul-rich ol-pyxt portions
19951	A-2	10.0	22 58 14	X			X	
19952	A-2	9.5	22 58 14	X			X	
19953	A-2	7.0	22 58 14	X			X	
19954	A-2	0	22 58 14			X		
19955	A-2	6.6	22 58 14	X		X		
19956	A-2	10.0	22 58 14	X		X		
19957	A-2	8.5	22 58 14	X			X	
19958	A-2	0	22 58 14				X	
19959	A-2	10.0	22 58 14	X			X	
19960	A-2	10.0	22 58 14	X				
19961	A-2	10.0	22 58 14	X			X	
19962	A-2	10.0	22 58 14	X			X	
19963	A-2	10.0	22 58 14	X		X		
19964	A-2	10.0	22 58 14	X			X	
19965	A-2	10.0	22 58 14	X			X	
19966	A-2	10.0	22 58 14	X				
19967	A-2	10.0	22 58 14	X			X	
19968	A-2	10.0	22 58 14	X			X	
19969	A-2	0	22 58 14				X	
19970	A-2	16.5	22 58 14	X				
19971	A-2	10.0	22 58 14	X			X	
19972	A-2	10.0	22 58 14	X				
19973	A-2	10.0	22 58 14	X				
19974	A-2	6.0	22 58 14	X			X	
19975	A-4	10.0	22 58 14	X				
19976	A-4	10.0	22 58 14	X			X	
19977	A-4	10.0	22 58 14	X			X	
19978	A-4	10.0	22 58 14	X				
19979	A-4	10.0	22 58 14	X			X	
19980	A-4	10.0	22 58 14	X			X	
19981	A-4	10.0	22 58 14	X				

APPENDIX B-5

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
19982	A-4	10.0	22 58 14	X		X		
19983	A-4	10.0	22 58 14	X			X	
19984	A-4	10.0	22 58 14	X			X	
19985	A-4	10.0	22 58 14	X				
19986	A-4	10.0	22 58 14	X				scrambled core grab sample
19987	A-4	10.0	22 58 14	X				scrambled core grab sample
19988	A-4	10.0	22 58 14	X				scrambled core grab sample
19989	A-4	10.0	22 58 14	X				scrambled core grab sample
19990	A-4	10.0	22 58 14	X			X	
19991	A-4	10.0	22 58 14	X			X	
19992	A-4	10.0	22 58 14	X			X	
19993	A-4	10.0	22 58 14	X				scrambled core grab sample
19994	A-4	0	22 58 14				X	approximate depth
19995	A-4	10.0	22 58 14	X				scrambled core grab sample
19996	A-4	10.0	22 58 14	X			X	scrambled core grab sample
19997	A-4	10.0	22 58 14	X				scrambled core grab sample
19998	A-4	10.0	22 58 14	X				scrambled core grab sample
19999	A-4	0	22 58 14				X	scrambled core grab sample
20000	A-4	10.0	22 58 14	X			X	scrambled core grab sample
20001	A-4	10.0	22 58 14	X				scrambled core grab sample
20002	A-4	10.0	22 58 14	X				scrambled core grab sample
20003	A-4	10.0	22 58 14	X			X	scrambled core grab sample
20004	A-4	10.0	22 58 14	X				scrambled core grab sample
20005	A-4	10.0	22 58 14	X				scrambled core grab sample
20006	A-4	10.0	22 58 14	X			X	scrambled core grab sample
20007	A-4	10.0	22 58 14	X			X	scrambled core grab sample
20009	A-4	10.0	22 58 14	X			X	
20010	A-4	10.0	22 58 14	X			X	
20011	A-4	10.0	22 58 14	X			X	
20012	A-4	10.0	22 58 14	X			X	
20013	A-4	10.0	22 58 14	X			X	
20014	A-4	10.0	22 58 14	X		X		
20015	A-1	2.1	22 58 14	X			X	
20016	A-1	3.0	21 58 14	X			X	
20017	A-1	2.0	21 58 14	X			X	
20018	A-1	0	21 58 14				X	
20019	A-1	5.0	21 58 14	X			X	
20020	A-1	10.0	21 58 14	X				
20021	A-1	10.0	21 58 14	X			X	
20022	3	20.0	34 58 14	X				skeletal core; all depths are approx.
20023	3	10.0	34 58 14	X		X		skeletal core; all depths are approx.
20024	3	20.0	34 58 14	X		X		skeletal core; all depths are approx.
20025	3	10.0	34 58 14	X			X	skeletal core; all depths are approx.
20026	3	10.0	34 58 14	X			X	skeletal core; all depths are approx.
20027	3	20.0	34 58 14	X			X	skeletal core; all depths are approx.
20028	CN-1	10.0	28 57 14	X			X	broken core grab sample
20029	CN-1	10.0	28 57 14	X				scrambled core grab sample
20030	CN-1	10.0	28 57 14	X				scrambled core grab sample
20031	CN-1	10.0	28 57 14	X				scrambled core grab sample
20032	CN-1	10.0	28 57 14	X				scrambled core grab sample
20033	CN-1	10.0	28 57 14	X			X	
20034	CN-1	10.0	28 57 14	X				
20035	CN-1	10.0	28 57 14	X			X	
20036	CN-1	10.0	28 57 14	X			X	
20037	CN-1	10.0	28 57 14	X				

APPENDIX B-6

TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
20038	CN-1	10.0	28 57 14	X			X	
20039	CN-1	0	28 57 14				X	
20040	CN-1	10.0	28 57 14	X			X	
20041	CN-1	0	28 57 14				X	
20042	CN-1	10.0	28 57 14	X			X	
20043	CN-1	0	28 57 14				X	
20044	CN-1	10.0	28 57 14	X			X	
20045	CN-1	0	28 57 14				X	
20046	CN-1	10.0	28 57 14	X			X	
20047	CN-1	0	28 57 14				X	
20048	CN-1	0	28 57 14				X	
20049	CN-1	0	28 57 14				X	
20050	CN-1	10.0	28 57 14	X			X	
20051	CN-1	10.0	28 57 14	X			X	
20052	CN-1	10.0	28 57 14	X			X	
20053	CN-1	0	28 57 14				X	
20054	CN-1	0	28 57 14			X		
20055	CN-1	0	28 57 14				X	
20056	CN-1	10.0	28 57 14	X		X		
20057	CN-1	10.0	28 57 14	X			X	
20058	CN-1	0	28 57 14			X		
20059	CN-1	10.0	28 57 14	X			X	
20060	CN-1	10.0	28 57 14	X			X	
20061	CN-1	10.0	28 57 14	X			X	
20062	CN-1	10.0	28 57 14	X			X	
20063	CN-1	10.0	28 57 14	X			X	
20064	CN-1	10.0	28 57 14	X			X	
20065	CN-1	0	28 57 14				X	
20066	CN-1	10.0	28 57 14	X			X	
20067	CN-1	10.0	28 57 14	X		X		
20068	CN-1	0	28 57 14				X	
20069	CN-1	10.0	28 57 14	X			X	
20070	CN-1	10.0	28 57 14	X			X	
20071	CN-1	10.0	28 57 14	X				
20072	CN-1	10.0	28 57 14	X			X	
20073	CN-1	10.0	28 57 14	X			X	
20074	CN-1	0	28 57 14				X	
20075	CN-1	10.0	28 57 14	X				
20076	CN-1	10.0	28 57 14	X			X	
20077	CN-1	10.0	28 57 14	X			X	
20078	CN-1	0	28 57 14			X		
20079	CN-1	10.0	28 57 14	X			X	
20080	CN-7	10.0	28 57 14	X			X	skeletal core (1/3 missing)
20081	CN-7	10.0	28 57 14	X		X		skeletal core (1/4 missing)
20082	CN-7	0	28 57 14				X	approximate depth
20083	CN-7	10.0	28 57 14	X			X	upper 6' is skeletal core
20084	CN-7	10.0	28 57 14	X			X	
20085	CN-7	10.0	28 57 14	X			X	
20086	CN-7	10.0	28 57 14	X			X	
20087	CN-7	0	28 57 14				X	
20088	CN-7	10.0	28 57 14	X			X	
20089	CN-7	0	28 57 14			X		
20090	CN-7	10.0	28 57 14	X			X	
20091	CN-7	10.0	28 57 14	X			X	
20092	CN-7	10.0	28 57 14	X			X	

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
20093	CN-7	10.0	28 57 14	X			X	
20094	CN-7	10.0	28 57 14	X			X	
20095	CN-7	10.0	28 57 14	X			X	
20096	CN-7	10.0	28 57 14	X		X		skeletal core (1/3 missing)
20097	CN-7	0	28 57 14				X	approximate depth
20098	CN-7	10.0	28 57 14	X			X	
20099	CN-7	10.0	28 57 14	X			X	
20100	CN-7	10.0	28 57 14	X				
20101	CN-7	10.0	28 57 14	X			X	
20102	CN-7	10.0	28 57 14	X			X	skeletal core (1/3 missing)
20103	CN-7	10.0	28 57 14	X			X	approximate depth
20104	CN-7	0	28 57 14				X	approximate depth
20105	CN-7	10.0	28 57 14	X			X	skeletal core (1/3 missing)
20106	CN-7	10.0	28 57 14	X			X	skeletal core (1/3 missing)
20107	CN-7	10.0	28 57 14	X			X	
20108	CN-7	10.0	28 57 14	X			X	
20109	CN-7	10.0	28 57 14	X			X	
20110	CN-7	10.0	28 57 14	X			X	
20111	CN-7	10.0	28 57 14	X			X	
20112	CN-7	10.0	28 57 14	X				
20113	CN-7	10.0	28 57 14	X			X	
20114	CN-7	10.0	28 57 14	X				
20115	CN-7	10.0	28 57 14	X			X	
20116	CN-7	10.0	28 57 14	X			X	
20117	CN-7	10.0	28 57 14	X			X	
20118	CN-7	10.0	28 57 14	X			X	
20119	CN-7	10.0	28 57 14	X			X	
20120	CN-7	10.0	28 57 14	X			X	
20121	CN-7	10.0	28 57 14	X			X	
20122	CN-7	10.0	28 57 14	X				
20123	CN-7	10.0	28 57 14	X			X	
20124	CN-7	10.0	28 57 14	X				
20125	CN-7	10.0	28 57 14	X			X	
20126	CN-7	10.0	28 57 14	X			X	
20127	CN-7	0	28 57 14				X	
20128	CN-7	10.0	28 57 14	X			X	
20129	CN-7	10.0	28 57 14	X			X	
20130	CN-7	10.0	28 57 14	X			X	
20131	CN-7	10.0	28 57 14	X			X	
20132	CN-7	0	28 57 14				X	
20133	CN-7	0	28 57 14				X	
20134	STD	0		X				USGS standard
20135	STD	0		X				USGS standard
20137	S-1	10.5	10 57 11	X		X		
20138	S-1	7.5	10 57 11	X			X	
20139	S-1	7.3	10 57 11	X			X	
20140	S-1	0	10 57 11				X	
20141	FL-2	9.2	12 59 11	X		X		
20142	FL-1	7.5	12 59 11	X			X	
20143	FL-1	2.9	12 59 11	X			X	
20144	FL-1	0	12 59 11				X	
20145	FL-1	10.0	12 59 11	X			X	
20146	FL-1	10.0	12 59 11	X			X	
20147	NE-2	6.0	26 60 10	X			X	
20148	NE-2	2.0	26 60 10	X			X	

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION	TOWNSHIP	RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
20149	NE-2	3.0	26	60	10	X			X	
20150	NE-2	10.0	26	60	10	X			X	box #2
20151	NE-2	10.0	26	60	10	x			X	box #2
20152	IS-1	5.6	2	59	9	X		X		
20153	IS-1	9.6	2	59	9	X			X	
20154	IS-1	9.3	2	59	9	X			X	
20155	NR-1	9.8	25	59	9	X		X		box #3
20156	NR-1	6.5	25	59	9	X			X	box #3
20157	NR-1	5.3	25	59	9	X				
20158	NR-1	5.8	25	59	9	X			X	
20159	NR-1	9.0	25	59	9	X			X	
20160	NR-1	4.0	25	59	9	X			X	
20161	NR-1	9.3	25	59	9	X				
20162	NR-1	8.4	25	59	9	X			X	
20163	NR-1	9.0	25	59	9	X		X		
20164	NR-1	10.0	25	59	9	X			X	
20165	NR-1	10.0	25	59	9	X			X	
20166	G-5	8.0	26	63	3	X			X	
20167	G-5	0	26	63	3				X	
20168	G-5	0	26	63	3				X	
20169	G-5	2.0	26	63	3	X		X		
20170	G-5	10.0	26	63	3	X			X	
20171	G-5	4.4	26	63	3	X			X	
20172	G-5	2.5	26	63	3	X		X		
20173	G-5	10.0	26	63	3	X			X	
20174	G-4	10.0	23	63	3	X				
20175	G-4	4.0	23	63	3	X			X	
20176	G-4	0	23	63	3			X		
20177	G-4	10.0	23	63	3	X			X	
20178	G-4	9.0	23	63	3	X			X	
20179	G-4	5.5	23	63	3	X				
20180	G-4	9.0	23	63	3	X			X	
20181	G-4	0	23	63	3				X	
20182	G-4	0	23	63	3				X	
20183	G-4	4.0	23	63	3		X			
20184	G-3	10.0	23	63	3	X		X		
20185	G-3	4.5	23	63	3	X			X	
20186	G-3	10.0	23	63	3	X			X	
20187	G-3	10.0	23	63	3	X			X	
20188	G-3	10.0	23	63	3	X			X	
20189	G-3	10.0	23	63	3	X		X		
20190	G-3	10.0	23	63	3	X			X	
20191	G-3	10.0	23	63	3	X			X	
20192	G-3	5.0	23	63	3	X			X	
20193	G-3	10.0	23	63	3	X			X	
20194	G-3	10.2	23	63	3		X	X		
20195	G-3	10.0	23	63	3		X	X		
20196	G-3	0	23	63	3				X	
20197	G-3	0	23	63	3				X	
20198	G-3	10.0	23	63	3		X		X	
20199	G-3	10.0	23	63	3		X		X	
20200	G-3	10.0	23	63	3		X		X	
20201	G-6	10.0	23	63	3	X			X	
20202	G-6	10.0	23	63	3	X			X	
20203	G-6	10.0	23	63	3	X			X	

APPENDIX B-9

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION	TOWNSHIP	RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
20204	G-6	5.0	23	63	3	X			X	
20205	G-6	10.0	23	63	3	X		X		
20206	G-6	10.0	23	63	3	X		X		
20207	G-6	0	23	63	3				X	
20208	G-6	0	23	63	3				X	
20209	G-6	7.0	23	63	3	X			X	
20210	G-6	0	23	63	3				X	
20211	G-6	10.0	23	63	3	X			X	
20212	G-6	10.0	23	63	3	X		X		
20213	G-6	8.0	23	63	3		X	X		
20214	G-6	10.0	23	63	3		X	X		
20215	G-6	0	23	63	3			X		
20216	SR-1	10.0	36	58	9	X			X	
20217	SR-1	0	36	58	9				X	
20218	SR-1	3.6	36	58	9	X			X	
20219	SR-1	2.4	36	58	9		X	X		
20220	SR-1	5.7	36	58	9		X		X	
20221	SR-1	7.8	36	58	9	X			X	
20222	SR-1	10.0	36	58	9	X			X	
20223	SR-1	10.0	36	58	9	X			X	
20224	SR-1	5.1	36	58	9	X			X	
20225	SR-1	3.6	36	58	9	X			X	
20226	SR-1	2.0	36	58	9	X		X		
20227	SR-1	10.0	36	58	9	X		X		
20228	SR-1	4.0	36	58	9	X			X	
20229	SR-1	1.5	36	58	9	X			X	
20230	SR-1	3.0	36	58	9	X			X	
20231	SR-1	5.0	36	58	9	X			X	
20232	BL-1	5.0	36	55	13	X				
20233	BL-1	0	36	55	13				X	
20234	BL-1	0	36	55	13				X	
20235	BL-1	10.0	36	55	13	X			X	
20236	BL-1	0	36	55	13				X	
20237	BL-1	3.4	36	55	13	X		X		
20238	BL-1	7.3	36	55	13	X			X	
20239	BL-1	3.5	36	55	13	X			X	
20240	BL-1	10.0	36	55	13	X			X	
20241	BL-1	10.0	36	55	13	X		X		
20242	BL-1	2.0	36	55	13	X			X	
20243	BL-1	6.5	36	55	13	X			X	
20244	BL-1	10.0	36	55	13	X			X	
20245	BL-1	5.0	36	55	13	X			X	
20246	BL-1	7.0	36	55	13	X			X	
20247	BL-1	10.0	36	55	13	X			X	
20248	BL-1	8.0	36	55	13	X			X	
20249	SE-3	2.0	25	57	11	X			X	
20250	SE-3	2.0	25	57	11	X			X	
20251	SE-3	0	25	57	11			X		
20252	NE-1	3.0	18	60	11	X		X		
20253	NE-1	8.0	18	60	11	X		X		
20254	SE-1	3.0	35	57	13	X			X	
20255	SE-1	10.0	35	57	13	X			X	
20256	SE-1	4.6	35	57	13	X			X	
20257	SE-1	4.2	35	57	13	X			X	
20258	SE-1	2.0	35	57	13	X			X	

APPENDIX B-10

PROJECT 255-1
TYPE OF ANALYSIS AND SHIPPING INFORMATION

SAMPLE NUMBER	DRILL HOLE	SAMPLING INTERVAL LENGTH	SECTION TOWNSHIP RANGE	ASSAY WHOLE ROCK 1	ASSAY WHOLE ROCK 2	THIN SECTION	POLISHED THIN SECTION	MISCELLANEOUS INFORMATION
20259	SE-1	3.0	35 57 13	X			X	
20260	SE-1	10.0	35 57 13	X			X	
20261	SE-1	7.7	35 57 13	X			X	
20262	SE-1	0	35 57 13				X	
20263	SE-1	9.3	35 57 13	X			X	
20264	SE-1	6.4	35 57 13	X			X	
20265	SE-1	10.0	35 57 13	X			X	
20266	SE-1	2.0	35 57 13	X			X	
20267	SE-1	2.0	35 57 13	X			X	
20268	SE-1	0	35 57 13			X		
20269	SE-1	2.0	35 57 13	X			X	
20270	SE-1	2.0	35 57 13	X				
20271	SE-1	6.0	35 57 13	X			X	
20272	SE-1	5.0	35 57 13	X			X	
20273	SE-1	5.6	35 57 13	X		X		
20274	SE-1	10.0	35 57 13	X			X	
20275	SE-1	0	35 57 13				X	
20276	SE-1	10.0	35 57 13	X		X		
20277	SE-1	0	35 57 13				X	
20278	SE-1	10.0	35 57 13	X			X	
20279	SE-1	10.0	35 57 13	X		X		
20280	SE-1	10.0	35 57 13	X			X	
20281	SE-1	0	35 57 13				X	
20282	SL-4	4.0	10 59 12	X		X		
20283	SL-4	10.0	10 59 12	X			X	
20284	SL-1	8.0	22 56 14	X			X	
20285	SL-1	0	22 56 14			X		
20286	SL-1	7.5	22 56 14	X		X		
20287	SL-1	0	22 56 14				X	
20288	SL-1	2.0	22 56 14	X			X	
20289	SL-1	4.0	22 56 14	X			X	
20290	SL-1	3.3	22 56 14	X			X	
20291	SL-1	9.0	22 56 14	X				
20292	SL-1	6.6	22 56 14	X			X	
20293	SL-1	10.0	22 56 14	X			X	
20294	SL-1	7.6	22 56 14	X			X	
20295	SL-1	10.0	22 56 14	X				
20296	SL-1	9.0	22 56 14	X			X	
20297	SL-1	10.0	22 56 14	X			X	
20298	SL-1	0	22 56 14				X	
20299	SL-1	1.0	22 56 14		X		X	
20300	SL-1	4.3	22 56 14	X			X	
20301	SL-1	10.0	22 56 14	X				

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19711	MV2-1W	<10	46	18	0.478	1900	612	444	20	900	16.36	18.17	51.42	1.0	120	157	<1	<1	<1	<1	2	27	14	17
19712	MV2-1W	<10	40	13	0.473	1700	631	390	20	540	16.75	22.65	48.02	0.8	138	149	<1	1	<1	<1	1	31	5	16
19713	MV2-1W	17	33	13	0.410	1100	657	167	40	300	10.16	45.23	32.31	0.6	192	235	<1	<1	<1	<1	2	27	3	28
19714	MV2-1W	<10	46	12	0.534	1300	622	120	80	450	13.70	40.55	37.68	0.6	154	247	<1	<1	<1	1	1	26	<1	11
19715	32718	<10	7	3	0.040	138	163	149	40	900	5.41	13.61	46.78	<0.2	70	110	<1	1	<1	1	1	19	17	109
19721	32718	<10	8	4	0.129	175	186	115	60	1700	6.61	15.61	47.18	<0.2	84	126	<1	<1	<1	<1	1	17	18	99
19722	32718	<10	<2	<1	0.073	190	181	138	40	700	6.80	16.06	46.52	<0.2	85	118	<1	1	<1	<1	2	22	16	92
19724	32718	<10	<2	<1	0.090	155	152	128	40	2000	5.31	13.97	48.84	<0.2	71	110	<1	<1	<1	<1	<1	23	28	174
19725	32718	<10	<2	<1	0.023	162	295	79	60	1500	7.60	16.78	45.95	<0.2	93	138	<1	<1	<1	1	1	30	26	145
19726	32718	<10	5	<1	0.405	81	299	67	40	1900	6.69	11.62	47.42	<0.2	69	55	<1	<1	<1	<1	1	11	18	82
19727	32718	<10	6	<1	0.052	89	265	120	40	1100	6.08	11.85	47.51	<0.2	75	99	<1	<1	<1	<1	1	12	15	103
19728	32718	<10	7	<1	0.326	230	110	165	60	1500	4.06	11.97	47.15	<0.2	70	96	<1	1	<1	<1	1	32	27	147
19729	DU-7	<10	<2	<1	0.045	115	546	114	60	1200	18.12	23.35	41.30	<0.2	149	162	<1	<1	3	<1	1	15	6	43
19731	DU-7	<10	<2	<1	0.056	43	122	85	40	800	4.15	6.80	52.03	<0.2	44	78	<1	<1	<1	<1	<1	9	18	78
19732	DU-7	<10	<2	9	0.034	87	330	162	40	1100	7.65	11.78	46.09	<0.2	80	120	<1	3	<1	1	1	6	6	31
19733	DU-7	<10	<2	<1	0.028	86	200	91	40	1800	5.25	10.24	48.65	<0.2	61	88	<1	<1	<1	<1	<1	9	11	61
19734	DU-7	<10	<2	<1	0.034	102	245	232	20	1500	6.10	11.26	47.81	<0.2	70	62	<1	<1	<1	<1	<1	12	9	59
19735	DU-7	<10	3	<1	0.056	90	449	1723	60	900	14.91	21.27	42.02	<0.2	139	140	<1	<1	<1	<1	1	13	10	50
19736	DU-7	<10	8	<1	0.039	73	437	331	60	2700	16.34	19.74	43.14	<0.2	126	120	<1	<1	<1	1	<1	11	9	50
19738	DU-7	<10	<2	<1	0.028	110	371	528	140	2000	10.31	22.02	41.32	<0.2	126	170	<1	<1	<1	<1	1	19	26	148
19739	DU-7	<10	<2	3	0.135	300	154	75	200	4600	4.22	15.62	43.23	<0.2	76	135	<1	1	<1	<1	<1	21	104	157
19740	DU-7	<10	38	6	0.084	310	253	169	60	1100	5.63	12.13	47.18	<0.2	71	91	<1	<1	<1	<1	1	12	24	105
19741	DU-7	<10	<2	<1	0.078	120	144	132	60	1200	4.82	12.92	46.01	<0.2	67	87	<1	1	<1	<1	1	27	31	204
19742	DU-7	19	57	9	0.174	600	766	159	40	920	15.08	17.35	44.62	<0.2	126	119	<1	<1	<1	<1	2	10	10	43
19743	DU-7	<10	<2	5	0.129	270	284	180	40	740	6.18	11.30	48.56	<0.2	71	81	<1	<1	<1	<1	1	11	14	63
19744	DU-7	38	<2	48	0.635	3900	923	90	40	2900	2.23	5.76	60.69	1.6	41	75	<1	<1	<1	<1	1	6	8	80
19745	DU-7	137	316	50	0.939	3400	2162	288	120	800	18.72	19.34	42.16	1.2	163	74	<1	<1	<1	<1	1	8	5	43
19746	DU-7	19	37	13	0.736	680	343	214	60	680	6.00	12.42	47.37	<0.2	78	93	<1	<1	<1	1	1	14	8	49
19747	DU-7	<10	23	7	0.264	840	278	223	100	3400	4.41	11.50	49.40	<0.2	73	76	<1	<1	<1	<1	1	22	8	52
19748	DU-7	168	<2	25	0.590	2100	592	184	40	3600	5.39	15.84	49.60	0.6	91	142	<1	<1	<1	1	<1	24	14	66
19749	DU-7	<10	5	<1	0.050	31	44	125	80	500	1.97	4.08	62.06	<0.2	28	45	<1	<1	<1	1	1	6	9	91
19750	DU-7	60	97	30	0.388	2100	651	245	60	450	6.27	11.33	47.84	0.8	84	97	<1	<1	<1	1	<1	10	9	47
19751	DU-7	<10	58	15	0.213	1750	352	148	60	1500	1.89	4.52	61.59	1.0	31	59	<1	<1	<1	1	<1	6	8	125
19752	DU-7	19	8	<1	0.020	140	95	153	120	700	3.20	3.70	62.48	0.8	18	104	<1	1	<1	<1	<1	6	13	121
19753	NM-3	<10	8	<1	0.080	130	215	222	80	370	7.38	12.43	47.42	0.2	73	91	<1	1	<1	<1	1	14	14	106
19754	NM-3	<10	8	3	0.056	360	194	311	40	110	7.15	14.03	46.29	0.4	83	111	<1	<1	<1	<1	1	20	11	74
19755	NM-3	<10	<2	<1	0.095	300	190	440	60	330	6.53	14.28	46.35	0.2	82	84	<1	1	<1	1	1	21	12	81
19756	NM-3	<10	<2	<1	0.045	165	176	229	40	220	6.67	13.17	47.62	<0.2	80	101	<1	1	<1	<1	<1	14	7	55
19758	NM-3	<10	<2	6	0.146	410	157	274	120	270	6.39	16.57	43.99	0.4	99	97	<1	<1	<1	<1	<1	34	13	78
19759	NM-3	32	<2	<1	0.129	340	135	158	60	170	6.35	14.45	45.64	0.4	83	107	<1	<1	<1	1	1	22	11	66

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX C-1

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19711	MV2-1W	<10	46	18	0.478	1900	612	444	20	900	16.36	18.17	51.42	207	0.54	7.99	3.88	1.31	<0.1	0.27	0.23	28	80	185	106
19712	MV2-1W	<10	40	13	0.473	1700	631	390	20	540	16.75	22.65	48.02	308	2.01	6.12	3.19	0.90	<0.1	0.30	0.22	50	88	128	79
19713	MV2-1W	17	33	13	0.410	1100	657	167	40	300	10.16	45.23	32.31	1298	6.36	2.06	1.84	0.16	<0.1	0.34	0.16	64	160	21	27
19714	MV2-1W	<10	46	12	0.534	1300	622	120	80	450	13.70	40.55	37.68	683	3.55	1.53	2.93	0.14	<0.1	0.39	0.18	62	135	14	22
19715	32718	<10	7	3	0.040	138	163	149	40	900	5.41	13.61	46.78	202	2.65	18.24	8.64	2.83	0.43	0.16	0.23	68	46	296	201
19721	32718	<10	8	4	0.129	175	186	115	60	1700	6.61	15.61	47.18	184	2.11	17.01	7.66	2.37	0.49	0.19	0.25	88	55	291	218
19722	32718	<10	<2	<1	0.073	190	181	138	40	700	6.80	16.06	46.52	205	2.52	16.50	8.21	2.27	<0.1	0.19	0.20	74	56	282	192
19724	32718	<10	<2	<1	0.090	155	152	128	40	2000	5.31	13.97	48.84	203	2.71	16.78	8.35	2.96	0.51	0.18	0.39	98	48	279	278
19725	32718	<10	<2	<1	0.023	162	295	79	60	1500	7.60	16.78	45.95	234	3.01	13.81	8.01	2.54	0.50	0.21	0.33	73	59	224	220
19726	32718	<10	5	<1	0.405	81	299	67	40	1900	6.69	11.62	47.42	102	1.50	19.72	8.64	2.76	<0.1	0.14	0.23	80	44	311	180
19727	32718	<10	6	<1	0.052	89	265	120	40	1100	6.08	11.85	47.51	121	1.75	20.25	9.08	2.80	0.28	0.14	0.26	60	47	332	164
19728	32718	<10	7	<1	0.326	230	110	165	60	1500	4.06	11.97	47.15	341	4.65	15.08	8.88	2.95	1.39	0.19	0.36	120	44	277	209
19729	DU-7	<10	<2	<1	0.045	115	546	114	60	1200	18.12	23.35	41.30	100	1.38	9.86	4.82	1.46	<0.1	0.27	0.14	50	92	160	86
19731	DU-7	<10	<2	<1	0.056	43	122	85	40	800	4.15	6.80	52.03	70	1.12	19.49	4.01	2.62	6.82	0.07	0.19	140	37	208	378
19732	DU-7	<10	<2	9	0.034	87	330	162	40	1100	7.65	11.78	46.09	58	0.65	19.00	7.42	2.67	0.48	0.14	0.13	74	43	313	139
19733	DU-7	<10	<2	<1	0.028	86	200	91	40	1800	5.25	10.24	48.65	73	1.07	21.75	9.08	3.13	0.24	0.12	0.22	80	37	338	167
19734	DU-7	<10	<2	<1	0.034	102	245	232	20	1500	6.10	11.26	47.81	98	1.30	20.40	9.02	2.84	0.26	0.13	0.16	74	42	313	149
19735	DU-7	<10	3	<1	0.056	90	449	1723	60	900	14.91	21.27	42.02	316	1.91	12.27	5.68	1.78	<0.1	0.23	0.16	56	81	196	112
19736	DU-7	<10	8	<1	0.039	73	437	331	60	2700	16.34	19.74	43.14	114	1.17	12.66	5.57	1.92	<0.1	0.22	0.15	59	84	205	117
19738	DU-7	<10	<2	<1	0.028	110	371	528	140	2000	10.31	22.02	41.32	286	2.73	11.53	6.20	1.87	0.38	0.23	0.43	75	87	192	150
19739	DU-7	<10	<2	3	0.135	300	154	75	200	4600	4.22	15.62	43.23	334	3.74	15.67	8.96	3.26	0.15	0.16	1.90	120	56	273	217
19740	DU-7	<10	38	6	0.084	310	253	169	60	1100	5.63	12.13	47.18	131	1.62	19.88	8.95	2.96	0.23	0.14	0.39	82	44	325	188
19741	DU-7	<10	<2	<1	0.078	120	144	132	60	1200	4.82	12.92	46.01	246	3.02	17.39	10.61	2.82	0.35	0.17	0.36	100	51	278	240
19742	DU-7	19	57	9	0.174	600	766	159	40	920	15.08	17.35	44.62	67	0.92	13.80	5.94	2.00	0.43	0.19	0.21	70	75	214	129
19743	DU-7	<10	<2	5	0.129	270	284	180	40	740	6.18	11.30	48.56	98	1.14	20.56	8.71	3.11	0.23	0.13	0.23	62	41	334	178
19744	DU-7	38	<2	48	0.635	3900	923	90	40	2900	2.23	5.76	60.69	69	0.35	17.96	4.02	5.77	2.40	0.08	0.58	75	24	1313	2250
19745	DU-7	137	316	50	0.939	3400	2162	288	120	800	18.72	19.34	42.16	73	0.62	11.89	5.01	1.69	<0.1	0.20	0.50	61	85	217	144
19746	DU-7	19	37	13	0.736	680	343	214	60	680	6.00	12.42	47.37	170	1.61	18.61	8.06	2.99	0.32	0.14	0.23	68	44	324	176
19747	DU-7	<10	23	7	0.264	840	278	223	100	3400	4.41	11.50	49.40	317	4.01	17.31	7.39	3.74	0.74	0.14	0.23	63	42	559	485
19748	DU-7	168	<2	25	0.590	2100	592	184	40	3600	5.39	15.84	49.60	285	3.01	14.13	6.61	2.99	0.77	0.20	0.36	70	57	295	401
19749	DU-7	<10	5	<1	0.050	31	44	125	80	500	1.97	4.08	62.06	73	0.38	18.64	4.09	6.06	2.47	0.08	0.25	98	17	1456	1777
19750	DU-7	60	97	30	0.388	2100	651	245	60	450	6.27	11.33	47.84	102	1.06	20.75	9.10	2.91	0.41	0.12	0.40	60	44	359	181
19751	DU-7	<10	58	15	0.213	1750	352	148	60	1500	1.89	4.52	61.59	65	0.34	18.20	3.99	5.88	2.09	0.07	0.40	84	19	1277	1721
19752	DU-7	19	8	<1	0.020	140	95	153	120	700	3.20	3.70	62.48	58	0.35	17.65	4.46	5.84	2.20	0.08	0.20	84	18	1030	1195
19753	NM-3	<10	8	<1	0.080	130	215	222	80	370	7.38	12.43	47.42	184	1.72	17.38	8.45	2.96	0.75	0.15	0.23	90	66	295	177
19754	NM-3	<10	8	3	0.056	360	194	311	40	110	7.15	14.03	46.29	319	3.16	16.93	9.07	2.78	0.48	0.17	0.19	78	72	284	159
19755	NM-3	<10	<2	<1	0.095	300	190	440	60	330	6.53	14.28	46.35	399	3.34	16.94	9.19	2.88	0.43	0.16	0.17	80	80	289	166
19756	NM-3	<10	<2	<1	0.045	165	176	229	40	220	6.67	13.17	47.62	245	2.27	18.51	8.84	3.15	0.38	0.15	0.18	66	65	310	165
19758	NM-3	<10	<2	6	0.146	410	157	274	120	270	6.39	16.57	43.99	680	5.39	14.23	10.33	2.54	0.43	0.19	0.18	62	78	241	138
19759	NM-3	32	<2	<1	0.129	340	135	158	60	170	6.35	14.45	45.64	389	3.32	17.69	10.00	2.88	0.28	0.17	0.12	68	67	294	151

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

APPENDIX C-2

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19760	NM-3	<10	29	<1	0.056	158	192	465	60	130	6.79	13.02	46.54	0.2	71	95	<1	1	<1	<1	<1	15	6	30
19763	NM-3	<10	8	<1	0.410	1000	44	92	60	460	2.90	11.70	48.31	0.4	57	94	<1	<1	<1	<1	<1	21	14	47
19765	NM-3	39	<2	<1	0.017	350	28	69	60	1600	3.18	11.19	48.57	1.4	54	87	<1	1	<1	<1	<1	22	15	70
19766	NM-3	<10	5	<1	0.180	330	3	25	80	960	4.61	16.35	45.04	<0.2	76	108	<1	<1	<1	1	1	38	32	95
19768	NM-3	<10	4	<1	0.056	320	9	21	80	1200	4.37	20.93	44.49	<0.2	72	189	<1	<1	<1	<1	1	40	68	147
19769	NM-3	<10	<2	<1	0.118	360	12	7	80	900	4.02	17.03	46.08	<0.2	65	132	<1	<1	<1	<1	1	36	55	233
19771	NM-3	<10	9	<1	0.157	350	57	67	80	660	2.10	6.48	50.97	2.0	34	59	<1	2	<1	<1	1	9	16	60
19772	NM-3	<10	7	3	0.241	1100	138	53	80	390	3.40	10.45	49.83	0.4	53	43	<1	2	<1	<1	1	15	24	106
19773	NM-3	<10	7	8	0.090	800	138	180	100	450	4.35	12.39	49.19	<0.2	62	116	<1	3	<1	1	<1	18	25	186
19774	NM-3	<10	5	<1	0.106	400	104	160	60	500	4.27	10.38	48.86	<0.2	59	72	<1	1	<1	1	<1	14	13	110
19775	NM-3	33	<2	4	0.095	490	149	205	120	420	4.51	10.00	48.79	0.2	58	83	<1	1	<1	<1	<1	11	15	93
19776	NM-3	<10	<2	<1	0.045	178	87	218	80	640	4.03	9.38	48.59	<0.2	51	66	<1	<1	<1	<1	1	11	13	63
19777	NM-3	<10	<2	9	0.190	1500	240	70	60	200	3.08	7.60	50.28	0.4	50	71	<1	<1	<1	<1	<1	<1	<1	49
19778	NM-3	<10	4	<1	0.096	310	15	9	100	1800	3.98	18.97	43.47	<0.2	78	125	<1	<1	<1	<1	1	<1	<1	170
19780	NM-3	<10	<2	<1	3.850	1000	531	470	40	700	4.62	21.95	41.16	0.4	160	201	<1	50	<1	1	<1	<1	<1	65
19782	NM-3	19	34	9	0.112	630	127	109	100	640	2.16	6.68	49.31	<0.2	35	49	<1	1	<1	1	1	5	7	96
19783	NM-3	<10	<2	3	0.068	270	153	112	80	500	2.78	5.27	50.01	<0.2	35	44	<1	<1	<1	<1	1	6	6	51
19787	NM-3	<10	<2	3	0.158	950	113	65	60	180	0.94	2.57	52.11	<0.2	22	19	<1	<1	<1	<1	<1	2	2	24
19788	NM-3	<10	<2	<1	0.073	105	144	138	60	450	4.69	9.92	47.57	<0.2	59	77	<1	1	<1	1	1	12	22	119
19790	NM-3	423	748	79	1.450	7000	2717	226	40	760	7.92	13.08	44.97	2.2	121	119	<1	<1	<1	1	<1	10	12	64
19791	NM-3	473	<2	318	2.250	10000	2709	259	60	1150	7.30	14.13	45.92	4.6	127	141	<1	<1	<1	1	1	11	14	115
19792	NM-3	40	80	17	0.230	1400	474	209	80	320	4.56	7.88	53.86	<0.2	57	73	<1	<1	<1	<1	<1	10	10	73
19793	DU-13	19	58	10	0.196	157	42	58	180	2500	2.89	13.48	50.87	<0.2	50	143	<1	1	<1	1	<1	26	131	53
19794	DU-13	<10	9	<1	0.106	170	96	109	280	1800	5.74	18.82	43.35	<0.2	87	180	<1	3	<1	1	<1	43	88	183
19795	DU-13	20	<2	<1	0.163	460	176	225	80	500	6.57	15.83	45.85	0.2	93	128	<1	4	<1	<1	1	35	37	227
19796	DU-13	<10	<2	<1	0.022	200	81	187	80	540	4.93	13.25	46.38	<0.2	76	90	<1	<1	<1	1	1	41	44	325
19798	DU-13	<10	5	<1	0.051	85	241	85	440	560	5.79	9.76	41.61	<0.2	63	98	<1	<1	<1	<1	1	12	17	104
19799	DU-13	<10	268	<1	0.045	138	347	463	80	280	7.20	16.61	43.77	<0.2	95	106	<1	<1	<1	1	<1	18	7	40
19800	DU-13	<10	<2	<1	0.101	63	76	147	60	200	2.94	6.33	49.77	<0.2	44	57	<1	<1	<1	1	1	7	10	92
19801	DU-13	<10	<2	<1	0.017	103	214	180	100	400	6.52	13.55	47.51	<0.2	79	90	<1	1	<1	<1	<1	14	29	201
19803	DU-13	316	660	55	1.546	6200	2492	775	60	150	18.84	18.03	40.86	2.8	163	151	<1	<1	<1	<1	1	6	6	40
19804	DU-13	67	<2	10	5.450	4200	10000	277	100	100	7.06	20.44	40.92	1.0	529	222	<1	<1	<1	<1	1	4	2	32
19805	DU-13	69	81	20	0.090	1050	154	60	60	560	2.29	2.99	66.52	0.6	18	67	<1	<1	<1	1	<1	*	9	97
19806	D-6A	<10	<2	<1	0.118	190	161	158	80	390	5.03	14.93	44.14	<0.2	75	110	<1	<1	<1	1	1	*	25	208
19808	D-6A	17	4	<1	0.068	130	132	250	40	150	5.97	11.05	49.03	<0.2	58	96	<1	2	<1	1	2	*	17	93
19809	D-6A	<10	4	<1	0.056	100	95	205	40	120	5.10	11.18	48.21	<0.2	58	122	<1	<1	<1	1	1	*	16	134
19810	D-6A	<10	3	<1	0.090	92	140	206	40	150	6.61	12.88	47.46	<0.2	74	96	<1	1	<1	<1	<1	*	13	93
19812	D-6A	<10	7	<1	0.321	340	352	168	340	1000	9.06	14.77	51.46	<0.2	91	200	<1	<1	<1	1	1	*	38	75
19813	D-6A	35	<2	4	0.134	186	360	222	120	760	9.56	16.56	51.35	<0.2	93	146	<1	<1	<1	<1	<1	*	37	72
19814	D-6A	<10	5	<1	0.247	230	349	127	40	690	10.83	17.13	50.68	<0.2	90	158	<1	<1	<1	<1	<1	*	26	115

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Analysis requested but never received

APPENDIX C-3

Project 255-1

Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19760	NM-3	<10	29	<1	0.056	158	192	465	60	130	6.79	13.02	46.54	254	1.92	18.20	9.26	3.00	0.11	0.15	0.11	64	66	294	141
19763	NM-3	<10	8	<1	0.410	1000	44	92	60	460	2.90	11.70	48.31	171	2.78	19.47	10.35	3.77	0.75	0.14	0.48	64	64	369	268
19765	NM-3	39	<2	<1	0.017	350	28	69	60	1600	3.18	11.19	48.57	210	3.48	19.10	10.05	3.51	0.36	0.14	0.24	66	64	313	236
19766	NM-3	<10	5	<1	0.180	330	3	25	80	960	4.61	16.35	45.04	205	4.89	12.67	11.16	2.78	0.26	0.21	1.21	70	72	257	299
19768	NM-3	<10	4	<1	0.056	320	9	21	80	1200	4.37	20.93	44.49	224	4.15	11.60	10.22	2.80	<0.1	0.30	1.29	70	100	246	338
19769	NM-3	<10	<2	<1	0.118	360	12	7	80	900	4.02	17.03	46.08	254	4.25	13.54	10.40	2.94	0.11	0.22	1.03	70	68	253	321
19771	NM-3	<10	9	<1	0.157	350	57	67	80	660	2.10	6.48	50.97	87	1.12	24.57	11.78	3.55	<0.1	0.08	0.25	70	35	367	202
19772	NM-3	<10	7	3	0.241	1100	138	53	80	390	3.40	10.45	49.83	102	1.72	20.22	10.48	3.47	<0.1	0.13	0.51	66	58	376	281
19773	NM-3	<10	7	8	0.090	800	138	180	100	450	4.35	12.39	49.19	146	2.44	18.51	9.32	3.18	0.27	0.15	0.36	90	62	308	241
19774	NM-3	<10	5	<1	0.106	400	104	160	60	500	4.27	10.38	48.86	147	2.16	20.03	9.87	3.22	0.30	0.13	0.24	80	53	333	205
19775	NM-3	33	<2	4	0.095	490	149	205	120	420	4.51	10.00	48.79	121	1.51	20.29	10.03	3.24	0.46	0.12	0.24	78	53	331	195
19776	NM-3	<10	<2	<1	0.045	178	87	218	80	640	4.03	9.38	48.59	153	1.49	20.67	9.81	3.24	0.49	0.11	0.20	70	52	342	194
19777	NM-3	<10	<2	9	0.190	1500	240	70	60	200	3.08	7.60	50.28	97	1.10	22.42	10.95	3.49	0.57	0.10	0.28	70	42	359	183
19778	NM-3	<10	4	<1	0.096	310	15	9	100	1800	3.98	18.97	43.47	217	4.17	13.03	10.71	3.00	0.82	0.23	2.12	80	80	270	337
19780	NM-3	<10	<2	<1	3.850	1000	531	470	40	700	4.62	21.95	41.16	275	1.05	16.87	2.75	1.78	1.50	0.09	0.28	130	70	153	318
19782	NM-3	19	34	9	0.112	630	127	109	100	640	2.16	6.68	49.31	116	1.46	23.09	11.46	3.36	0.48	0.08	0.26	76	32	354	213
19783	NM-3	<10	<2	3	0.068	270	153	112	80	500	2.78	5.27	50.01	59	0.69	25.02	12.08	3.19	0.70	0.06	0.17	76	28	350	149
19787	NM-3	<10	<2	3	0.158	950	113	65	60	180	0.94	2.57	52.11	27	0.28	27.59	12.33	3.96	0.27	0.03	0.16	68	16	397	111
19788	NM-3	<10	<2	<1	0.073	105	144	138	60	450	4.69	9.92	47.57	155	1.63	20.05	10.37	2.98	0.74	0.12	0.27	95	48	314	197
19790	NM-3	423	748	79	1.450	7000	2717	226	40	760	7.92	13.08	44.97	102	1.10	17.94	8.96	2.54	0.47	0.13	0.69	78	63	289	134
19791	NM-3	473	<2	318	2.250	10000	2709	259	60	1150	7.30	14.13	45.92	140	1.48	17.12	8.12	2.89	0.52	0.14	0.93	80	68	356	234
19792	NM-3	40	80	17	0.230	1400	474	209	80	320	4.56	7.88	53.86	125	1.13	17.65	6.82	4.36	1.43	0.12	0.25	66	30	697	724
19793	DU-13	19	58	10	0.196	157	42	58	180	2500	2.89	13.48	50.87	156	2.42	14.19	8.04	3.17	1.88	0.20	1.61	200	77	239	599
19794	DU-13	<10	9	<1	0.106	170	96	109	280	1800	5.74	18.82	43.35	535	5.40	10.28	10.67	2.09	0.88	0.25	1.72	110	92	175	306
19795	DU-13	20	<2	<1	0.163	460	176	225	80	500	6.57	15.83	45.85	353	5.25	12.73	9.49	2.31	1.09	0.21	0.37	84	78	197	221
19796	DU-13	<10	<2	<1	0.022	200	81	187	80	540	4.93	13.25	46.38	374	6.37	13.69	10.87	2.66	0.84	0.18	0.44	88	57	217	259
19798	DU-13	<10	5	<1	0.051	85	241	85	440	560	5.79	9.76	41.61	128	1.62	18.79	14.71	1.24	0.46	0.12	0.22	80	71	182	123
19799	DU-13	<10	268	<1	0.045	138	347	463	80	280	7.20	16.61	43.77	486	2.16	16.11	9.76	2.47	0.51	0.17	0.12	51	103	249	82
19800	DU-13	<10	<2	<1	0.101	63	76	147	60	200	2.94	6.33	49.77	112	1.32	23.03	10.94	3.67	0.91	0.08	0.20	62	37	364	178
19801	DU-13	<10	<2	<1	0.017	103	214	180	100	400	6.52	13.55	47.51	177	2.59	17.00	8.35	2.92	0.87	0.16	0.38	68	76	273	261
19803	DU-13	316	660	55	1.546	6200	2492	775	60	150	18.84	18.03	40.86	77	0.58	11.31	5.13	1.58	0.39	0.18	0.50	64	120	227	102
19804	DU-13	67	<2	10	5.450	4200	10000	277	100	100	7.06	20.44	40.92	33	0.15	12.89	2.72	3.10	1.34	0.10	0.48	60	96	935	1098
19805	DU-13	69	81	20	0.090	1050	154	60	60	560	2.29	2.99	66.52	36	0.22	15.55	1.81	4.70	4.13	0.05	0.14	180	22	712	2848
19806	D-6A	<10	<2	<1	0.118	190	161	158	80	390	5.03	14.93	44.14	303	4.77	16.91	8.39	2.87	0.77	0.17	0.39	100	100	320	283
19808	D-6A	17	4	<1	0.068	130	132	250	40	150	5.97	11.05	49.03	169	2.07	18.93	9.76	3.06	0.81	0.14	0.20	88	78	305	214
19809	D-6A	<10	4	<1	0.056	100	95	205	40	120	5.10	11.18	48.21	151	2.03	20.22	9.23	3.26	0.59	0.13	0.23	76	50	333	209
19810	D-6A	<10	3	<1	0.090	92	140	206	40	150	6.61	12.88	47.46	164	2.20	18.69	9.28	2.97	0.67	0.16	0.20	72	79	317	208
19812	D-6A	<10	7	<1	0.321	340	352	168	340	1000	9.06	14.77	51.46	204	2.45	6.62	7.63	1.89	0.71	0.28	1.93	72	74	106	146
19813	D-6A	35	<2	4	0.134	186	360	222	120	760	9.56	16.56	51.35	220	3.12	6.18	8.04	1.69	0.92	0.26	1.47	80	80	123	189
19814	D-6A	<10	5	<1	0.247	230	349	127	40	690	10.83	17.13	50.68	218	3.43	6.47	6.94	1.46	1.10	0.26	0.48	105	105	139	219

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19816	D-6A	141	220	57	0.613	2200	1725	216	80	130	19.92	18.85	39.72	0.8	165	137	<1	<1	<1	1	<1	*	10	69
19818	D-6A	125	277	85	1.186	4500	2288	219	20	260	12.81	14.97	42.79	1.4	142	121	<1	<1	<1	1	1	*	6	38
19819	D-6A	<10	50	5	0.073	100	1288	140	40	260	29.66	26.12	37.97	<0.2	215	154	<1	<1	<1	<1	<1	*	<1	14
19821	D-6A	86	97	35	0.033	2600	1395	175	80	200	10.90	14.43	43.63	1.6	125	117	<1	2	<1	1	1	*	6	44
19822	D-6A	99	<2	60	1.203	3000	2378	441	80	100	23.97	25.03	38.84	0.6	219	164	<1	<1	<1	<1	1	*	4	21
19823	D-6A	102	211	55	1.113	4700	2326	235	60	520	11.94	19.65	42.91	4.0	155	147	<1	<1	<1	1	<1	*	13	100
19824	D-6A	98	<2	48	1.743	2900	1493	396	40	320	5.91	14.74	44.69	1.6	121	102	<1	<1	<1	<1	<1	*	12	93
19825	D-6A	20	75	17	1.102	1850	782	327	80	500	4.79	12.04	47.01	1.0	86	94	<1	<1	<1	2	<1	*	14	175
19827	D-646	70	68	30	0.646	2300	1122	541	60	450	8.66	16.45	45.76	1.2	107	133	<1	1	<1	1	1	*	18	110
19829	D-6A	199	377	162	0.787	4000	1225	238	60	760	6.43	15.30	47.12	6.8	93	167	<1	<1	<1	<1	1	*	25	195
19830	D-6A	70	64	26	1.035	2100	384	116	20	128	2.01	3.62	64.44	1.0	27	76	2	<1	<1	1	1	*	6	130
19831	BA-4	<10	6	<1	0.431	160	411	121	80	440	11.05	12.38	47.00	<0.2	86	110	<1	<1	<1	1	<1	*	10	31
19832	BA-4	<10	34	<1	0.028	72	691	131	320	1500	18.77	17.37	42.01	<0.2	131	137	<1	<1	<1	<1	1	*	5	20
19833	BA-4	<10	<2	<1	0.023	116	275	108	60	470	7.88	11.17	47.59	<0.2	70	89	<1	<1	<1	1	1	*	4	25
19834	BA-4	<10	<2	3	0.073	320	280	120	60	1250	14.26	22.30	43.33	<0.2	130	163	<1	1	<1	1	<1	*	26	59
19835	BA-4	<10	<2	9	0.191	900	336	251	60	1300	8.24	19.01	46.88	1.4	116	147	<1	<1	<1	<1	1	*	20	61
19836	BA-4	20	31	<1	0.427	270	270	229	120	2500	8.74	13.22	51.79	<0.2	75	101	<1	1	<1	1	1	*	31	93
19837	BA-4	18	21	11	0.141	1900	465	310	40	440	9.37	19.20	41.05	0.6	124	122	<1	<1	<1	<1	<1	*	14	78
19838	BA-4	29	<2	12	0.220	1000	351	341	20	370	7.75	16.18	43.03	0.2	103	102	<1	<1	<1	1	<1	*	13	75
19839	BA-4	102	26	13	0.425	1100	419	197	20	250	9.07	20.78	40.23	0.2	116	161	<1	<1	<1	<1	<1	*	15	58
19840	BA-4	<10	<2	3	0.730	1050	502	167	40	1500	9.11	21.59	42.26	<0.2	128	154	<1	<1	<1	1	1	*	33	95
19841	BA-4	<10	3	<1	0.260	250	345	152	80	1300	11.00	19.74	42.47	<0.2	108	182	<1	<1	<1	<1	<1	*	40	97
19842	BA-4	<10	8	6	0.370	480	572	233	80	880	14.55	25.99	38.70	<0.2	159	179	<1	<1	<1	1	1	*	18	70
19843	BA-4	42	28	10	0.375	490	891	136	60	1500	20.94	23.20	35.94	0.8	166	159	<1	<1	<1	1	<1	*	3	17
19844	BA-4	70	77	39	0.780	1250	749	406	100	300	16.35	20.53	42.99	3.0	143	128	<1	<1	<1	<1	<1	*	21	57
19845	BA-4	94	<2	99	1.675	2500	834	309	80	1000	14.03	24.06	39.27	1.6	161	157	<1	<1	<1	1	<1	*	20	83
19846	BA-4	89	<2	89	0.830	2200	725	397	60	1800	13.18	22.29	39.29	1.4	157	124	<1	<1	<1	1	<1	*	24	82
19847	BA-4	56	83	42	0.865	1550	646	278	80	280	12.55	22.57	39.20	0.8	152	138	<1	1	<1	1	<1	*	14	65
19848	BA-4	26	35	15	0.120	530	396	109	80	3000	7.43	12.33	44.01	0.4	83	87	<1	<1	<1	<1	<1	*	<1	16
19849	BA-4	<10	7	4	0.195	230	356	246	60	440	9.03	16.05	43.18	0.2	95	139	<1	<1	<1	<1	<1	*	23	78
19850	BA-4												44.50									*		**42
19850	BA-4	<10	<2	9	0.110	470	306	279	80	600	8.39	15.12	44.97	0.2	93	119	<1	<1	<1	<1	<1	28	7	<10
19851	BA-4	<10	<2	<1	0.950	330	191	271	100	1100	7.30	14.64	45.35	<0.2	85	122	<1	<1	<1	<1	<1	29	19	**74
19852	BA-4	<10	<2	<1	0.050	173	140	162	120	1100	5.46	10.44	49.50	<0.2	63	246	<1	1	<1	1	1	17	12	**38
19853	BA-4	17	55	<1	0.060	260	248	387	80	1500	7.58	11.48	46.68	<0.2	79	101	<1	<1	<1	<1	<1	16	6	**36
19854	BA-4	<10	<2	4	0.055	360	163	314	80	880	5.73	12.13	48.98	4.4	74	119	<1	<1	<1	<1	<1	21	17	**64
19855	BA-4	<10	7	<1	3.500	130	171	455	80	940	6.84	11.63	47.03	<0.2	69	105	<1	<1	<1	1	1	21	11	**32
19856	BA-4	37	<2	10	0.035	200	519	1697	120	1250	15.67	19.78	42.06	<0.2	131	146	<1	<1	<1	1	<1	16	3	**20
19858	BA-4	<10	<2	<1	0.100	185	325	281	100	760	10.74	18.00	43.06	<0.2	110	144	<1	<1	<1	<1	1	29	14	**76
19859	BA-4	23	46	3	0.070	360	1160	163	120	440	19.45	18.73	38.85	<0.2	146	164	<1	<1	<1	<1	1	18	15	**64

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Analysis requested but never received
** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

APPENDIX C-5

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19816	D-6A	141	220	57	0.613	2200	1725	216	80	130	19.92	18.85	39.72	94	1.15	9.21	4.80	1.29	0.41	0.20	0.32	70	140	151	116
19818	D-6A	125	277	85	1.186	4500	2288	219	20	260	12.81	14.97	42.79	61	0.56	16.04	7.65	1.87	0.50	0.15	0.40	80	130	276	95
19819	D-6A	<10	50	5	0.073	100	1288	140	40	260	29.66	26.12	37.97	38	0.09	3.08	1.61	0.38	<0.1	0.29	0.06	72	200	51	22
19821	D-6A	86	97	35	0.033	2600	1395	175	80	200	10.90	14.43	43.63	90	0.48	17.34	8.05	2.25	0.15	0.15	0.29	62	90	275	107
19822	D-6A	99	<2	60	1.203	3000	2378	441	80	100	23.97	25.03	38.84	89	0.52	7.27	3.53	1.00	0.22	0.26	0.33	68	165	121	55
19823	D-6A	102	211	55	1.113	4700	2326	235	60	520	11.94	19.65	42.91	167	2.06	13.61	6.75	2.19	0.35	0.19	0.51	80	125	229	145
19824	D-6A	98	<2	48	1.743	2900	1493	396	40	320	5.91	14.74	44.69	324	4.37	17.60	9.01	2.87	0.60	0.15	0.43	70	85	321	189
19825	D-6A	20	75	17	1.102	1850	782	327	80	500	4.79	12.04	47.01	268	3.62	19.58	9.76	3.22	0.40	0.13	0.30	80	60	348	194
19827	D-6A	70	68	30	0.646	2300	1122	541	60	450	8.66	16.45	45.76	199	2.08	15.93	7.83	2.49	0.56	0.18	0.40	68	93	261	195
19829	D-6A	199	377	162	0.787	4000	1225	238	60	760	6.43	15.30	47.12	283	2.72	14.43	8.49	2.72	0.91	0.19	0.59	70	80	343	280
19830	D-6A	70	64	26	1.035	2100	384	116	20	128	2.01	3.62	64.44	45	0.35	17.44	3.27	5.47	2.53	0.06	0.28	68	15	1061	1322
19831	BA-4	<10	6	<1	0.431	160	411	121	80	440	11.05	12.38	47.00	67	0.63	17.51	8.10	2.39	0.44	0.15	0.11	52	62	278	131
19832	BA-4	<10	34	<1	0.028	72	691	131	320	1500	18.77	17.37	42.01	61	0.57	12.25	5.98	1.58	0.10	0.20	0.09	60	81	187	68
19833	BA-4	<10	<2	<1	0.023	116	275	108	60	470	7.88	11.17	47.59	106	0.92	19.11	10.20	2.64	0.38	0.14	0.09	62	65	319	110
19834	BA-4	<10	<2	3	0.073	320	280	120	60	1250	14.26	22.30	43.33	245	4.06	6.09	7.29	0.66	0.67	0.32	1.03	64	95	116	151
19835	BA-4	<10	<2	9	0.191	900	336	251	60	1300	8.24	19.01	46.88	416	6.16	8.75	5.70	1.82	1.07	0.25	0.65	58	80	192	229
19836	BA-4	20	31	<1	0.427	270	270	229	120	2500	8.74	13.22	51.79	200	1.58	9.96	9.39	2.04	0.46	0.21	1.42	66	86	198	100
19837	BA-4	18	21	11	0.141	1900	465	310	40	440	9.37	19.20	41.05	585	7.19	8.68	11.83	1.09	0.41	0.24	0.21	62	100	147	55
19838	BA-4	29	<2	12	0.220	1000	351	341	20	370	7.75	16.18	43.03	452	5.66	13.67	10.86	2.02	0.37	0.20	0.19	63	88	235	88
19839	BA-4	102	26	13	0.425	1100	419	197	20	250	9.07	20.78	40.23	541	4.45	11.03	10.86	1.18	0.16	0.24	0.18	64	120	201	68
19840	BA-4	<10	<2	3	0.730	1050	502	167	40	1500	9.11	21.59	42.26	324	4.38	9.14	10.72	1.23	0.34	0.28	0.85	74	125	189	96
19841	BA-4	<10	3	<1	0.260	250	345	152	80	1300	11.00	19.74	42.47	186	2.99	9.05	9.94	1.38	0.35	0.28	0.97	64	125	181	119
19842	BA-4	<10	8	6	0.370	480	572	233	80	880	14.55	25.99	38.70	398	5.55	5.75	8.12	0.80	<0.1	0.33	0.31	70	170	98	55
19843	BA-4	42	28	10	0.375	490	891	136	60	1500	20.94	23.20	35.94	158	1.75	5.79	3.55	0.28	<0.1	0.30	0.09	58	135	56	17
19844	BA-4	70	77	39	0.780	1250	749	406	100	300	16.35	20.53	42.99	476	3.67	1.80	13.94	0.30	<0.1	0.29	0.14	48	155	26	13
19845	BA-4	94	<2	99	1.675	2500	834	309	80	1000	14.03	24.06	39.27	522	5.89	2.46	12.12	0.34	0.34	0.30	0.28	60	195	44	16
19846	BA-4	89	<2	89	0.830	2200	725	397	60	1800	13.18	22.29	39.29	627	7.29	2.50	13.73	0.32	0.34	0.28	0.22	70	180	43	<10
19847	BA-4	56	83	42	0.865	1550	646	278	80	280	12.55	22.57	39.20	446	6.17	7.32	11.94	0.61	0.10	0.27	0.26	64	160	132	22
19848	BA-4	26	35	15	0.120	530	396	109	80	3000	7.43	12.33	44.01	73	0.88	21.74	11.68	1.63	0.15	0.15	0.11	66	63	401	51
19849	BA-4	<10	7	4	0.195	230	356	246	60	440	9.03	16.05	43.18	252	3.17	13.84	11.95	1.46	0.42	0.22	0.54	68	92	249	76
19850	BA-4												44.50			15.00	10.31	2.02	0.29	0.19	0.12			**236	**84
19850	BA-4	<10	<2	9	0.110	470	306	279	80	600	8.39	15.12	44.97	306	3.55	14.95	10.30	2.10	0.27	0.19	0.13	68	84	<10	<10
19851	BA-4	<10	<2	<1	0.950	330	191	271	100	1100	7.30	14.64	45.35	418	3.98	15.03	10.13	2.35	0.31	0.18	0.32	68	85	**257	<10
19852	BA-4	<10	<2	<1	0.050	173	140	162	120	1100	5.46	10.44	49.50	249	1.92	18.36	9.57	3.12	0.42	0.17	0.20	66	70	**290	<10
19853	BA-4	17	55	<1	0.060	260	248	387	80	1500	7.58	11.48	46.68	220	1.84	18.90	10.17	2.68	0.29	0.15	0.13	62	60	**262	<10
19854	BA-4	<10	<2	4	0.055	360	163	314	80	880	5.73	12.13	48.98	443	3.94	14.74	8.92	2.75	1.44	0.17	0.20	70	67	**280	<10
19855	BA-4	<10	7	<1	3.500	130	171	455	80	940	6.84	11.63	47.03	252	1.35	18.42	10.58	2.64	0.46	0.15	0.14	64	71	**313	<10
19856	BA-4	37	<2	10	0.035	200	519	1697	120	1250	15.67	19.78	42.06	302	1.29	11.75	6.53	1.59	0.21	0.23	0.09	50	130	**157	<10
19858	BA-4	<10	<2	<1	0.100	185	325	281	100	760	10.74	18.00	43.06	451	3.15	12.92	8.44	1.89	0.45	0.21	0.20	66	118	**181	<10
19859	BA-4	23	46	3	0.070	360	1160	163	120	440	19.45	18.73	38.85	216	1.68	8.21	5.02	1.08	0.23	0.22	0.21	52	130	**109	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19860	BA-4	118	341	35	0.490	2500	1100	192	120	178	11.96	12.73	44.36	0.6	109	100	<1	<1	<1	1	2	12	11	**54
19861	BA-4	98	493	51	0.525	2000	1115	79	60	2500	11.26	13.26	44.86	0.8	107	132	<1	<1	<1	<1	1	7	8	**44
19862	BA-4	54	241	16	0.795	1450	620	122	80	860	8.52	12.03	46.54	0.4	84	104	<1	2	<1	1	<1	8	7	**52
19863	BA-4	135	295	27	0.550	2600	1343	104	120	1100	8.45	12.36	45.24	1.0	100	106	<1	<1	<1	<1	<1	10	11	**56
19864	BA-4	150	<2	51	0.800	2400	1581	124	100	2000	13.65	20.02	42.75	0.8	156	146	<1	5	<1	<1	<1	13	9	**75
19865	BA-4	240	238	98	0.895	2500	2038	166	120	1000	22.61	29.69	37.88	0.8	238	201	<1	10	<1	1	<1	15	7	**38
19866	BA-4	109	<2	37	0.820	1700	1439	223	100	760	21.42	29.57	42.01	1.0	241	197	<1	14	<1	1	<1	16	6	**65
19867	BA-4	36	<2	9	0.875	1150	827	169	80	1100	6.84	13.89	46.50	<0.2	87	118	<1	5	<1	<1	<1	20	23	**120
19868	BA-4	<10	73	10	0.275	630	212	61	100	3600	6.98	15.53	54.65	<0.2	16	51	<1	10	<1	1	1	3	9	**21
19869	W-12	32	9	4	0.288	70	114	195	60	4000	3.54	8.05	50.40	<0.2	32	149	<1	14	<1	1	1	19	31	**79
19870	W-12	32	<2	<1	0.030	89	408	257	80	1800	10.75	13.64	45.87	<0.2	90	121	<1	<1	<1	1	<1	13	9	**44
19871	W-12	<10	3	<1	0.035	210	1114	158	140	1300	21.54	21.37	37.93	<0.2	140	162	<1	<1	<1	<1	<1	11	7	**24
19872	W-12	18	20	<1	0.083	170	691	180	100	1200	13.70	15.78	43.71	<0.2	100	124	<1	1	<1	1	<1	11	6	**41
19873	W-12	<10	<2	<1	0.050	195	397	202	120	1500	8.90	11.86	46.39	0.2	72	89	<1	1	<1	1	2	15	6	**48
19874	W-12	213	887	89	0.215	1400	541	214	100	520	7.74	10.58	46.14	2.2	68	63	<1	<1	<1	1	<1	12	6	**35
19875	W-12	55	<2	9	0.065	400	764	230	100	720	14.60	16.64	42.25	<0.2	115	136	<1	<1	<1	<1	<1	12	4	**30
19876	W-12	89	<2	34	0.240	1950	723	3247	100	3100	12.85	17.20	42.48	0.2	116	146	<1	<1	<1	2	<1	7	2	**24
19877	W-12	41	99	8	0.100	1050	812	12186	340	860	14.01	25.88	35.22	<0.2	175	225	<1	<1	<1	<1	<1	8	<1	**24
19878	W-12	36	23	3	0.070	280	404	1711	120	2500	11.33	14.89	43.55	<0.2	101	103	<1	1	<1	<1	<1	7	2	**24
19879	W-12	<10	8	3	0.055	180	321	1196	100	820	9.52	14.87	43.61	<0.2	952	109	<1	1	<1	<1	<1	6	2	**23
19880	W-12	37	34	6	0.095	380	372	1840	100	1050	9.65	17.70	42.78	<0.2	115	141	<1	1	<1	<1	<1	10	4	**33
19881	W-12	82	<2	65	1.130	5200	1170	186	100	740	5.83	11.54	45.34	2.0	88	212	<1	13	<1	<1	<1	10	11	**64
19882	W-12	34	8	6	0.105	170	218	276	60	2400	6.83	13.16	48.93	<0.2	75	119	<1	1	<1	<1	<1	17	13	**84
19883	W-12	<10	5	<1	0.310	450	282	418	100	860	7.76	16.21	41.15	<0.2	86	191	<1	1	<1	<1	<1	37	9	**79
19884	W-12	23	30	9	0.525	1900	1008	110	120	4500	6.93	13.60	45.43	2.0	972	124	<1	<1	<1	<1	1	15	16	**131
19885	BA-3	<10	7	<1	0.065	43	1148	131	120	2900	24.31	21.26	35.96	<0.2	171	151	<1	<1	<1	<1	<1	7	<1	**16
19886	BA-3	<10	<2	<1	0.035	70	638	132	100	880	14.68	14.73	41.76	<0.2	111	95	<1	<1	<1	<1	1	7	4	**16
19887	BA-3	<10	7	<1	0.050	74	767	124	120	800	18.44	17.62	41.84	<0.2	131	130	<1	<1	<1	<1	<1	9	<1	**19
19889	BA-3	90	<2	45	0.240	930	745	83	100	370	13.76	14.13	42.93	<0.2	104	130	<1	<1	<1	<1	<1	8	<1	**19
19890	BA-3	28	<2	3	0.015	165	880	141	100	2300	19.12	19.79	40.39	<0.2	147	155	<1	<1	<1	<1	<1	15	4	**25
19891	BA-3	<10	7	<1	0.060	152	462	98	80	34	9.50	11.29	45.98	<0.2	82	78	<1	<1	<1	<1	<1	7	4	**24
19892	BA-3	<10	3	<1	0.030	29	408	979	100	430	9.06	18.44	39.47	<0.2	110	150	<1	<1	<1	<1	1	14	7	**32
19893	BA-3	<10	8	<1	0.060	78	366	304	100	560	11.76	11.85	44.25	<0.2	91	83	<1	<1	<1	2	<1	8	<1	**11
19894	BA-3	55	66	35	0.135	770	533	1027	120	320	14.01	17.83	42.15	<0.2	127	156	<1	<1	<1	<1	<1	16	3	**28
19895	BA-3	<10	42	24	0.120	880	279	402	120	1400	7.79	13.99	42.95	<0.2	97	85	<1	<1	<1	<1	<1	28	7	**53
19896	BA-3	<10	68	<1	0.450	116	468	127	120	1150	12.55	16.44	49.90	<0.2	106	132	<1	<1	<1	<1	<1	16	7	**58
19897	BA-3	<10	<2	4	0.125	150	708	119	80	1500	20.27	22.33	41.53	<0.2	148	128	<1	<1	<1	<1	<1	13	6	**25
19898	BA-3	<10	3	<1	0.041	100	618	92	120	1400	15.42	16.26	42.43	<0.2	120	137	<1	<1	<1	<1	<1	7	<1	**19
19899	BA-3	48	<2	12	0.375	530	419	129	60	1600	12.54	19.63	41.97	<0.2	120	138	<1	<1	<1	<1	<1	32	21	**127
19900	BA-3	<10	3	<1	0.075	82	404	304	120	350	11.60	12.03	45.17	<0.2	89	100	<1	<1	<1	<1	<1	10	6	**38

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

APPENDIX C-7

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19860	BA-4	118	341	35	0.490	2500	1100	192	120	178	11.96	12.73	44.36	105	0.91	17.64	7.91	1.89	0.26	0.14	0.37	54	80	**225	<10
19861	BA-4	98	493	51	0.525	2000	1115	79	60	2500	11.26	13.26	44.86	60	0.55	17.97	7.74	2.07	0.26	0.15	0.34	62	92	**249	<10
19862	BA-4	54	241	16	0.795	1450	620	122	80	860	8.52	12.03	46.54	85	0.72	19.54	8.79	2.59	0.49	0.14	0.27	62	80	**289	<10
19863	BA-4	135	295	27	0.550	2600	1343	104	120	1100	8.45	12.36	45.24	99	1.02	19.35	9.20	2.42	0.35	0.13	0.49	64	80	**276	<10
19864	BA-4	150	<2	51	0.800	2400	1581	124	100	2000	13.65	20.02	42.75	137	1.12	13.48	6.76	1.81	<0.1	0.20	0.46	60	140	**178	<10
19865	BA-4	240	238	98	0.895	2500	2038	166	120	1000	22.61	29.69	37.88	189	1.25	5.03	3.10	0.64	<0.1	0.30	0.48	54	180	**66	<10
19866	BA-4	109	<2	37	0.820	1700	1439	223	100	760	21.42	29.57	42.01	200	1.09	3.25	1.59	0.71	<0.1	0.26	0.35	62	190	**37	<10
19867	BA-4	36	<2	9	0.875	1150	827	169	80	1100	6.84	13.89	46.50	198	2.18	17.73	9.42	2.78	0.51	0.16	0.42	70	90	**269	<10
19868	BA-4	<10	73	10	0.275	630	212	61	100	3600	6.98	15.53	54.65	84	0.19	2.15	17.91	0.31	<0.1	0.12	0.43	42	115	**151	<10
19869	W-12	32	9	4	0.288	70	114	195	60	4000	3.54	8.05	50.40	143	0.67	14.09	19.44	1.39	0.42	0.35	0.23	58	46	**298	<10
19870	W-12	32	<2	<1	0.030	89	408	257	80	1800	10.75	13.64	45.87	112	0.82	17.18	8.34	1.98	0.27	0.17	0.17	54	68	**237	<10
19871	W-12	<10	3	<1	0.035	210	1114	158	140	1300	21.54	21.37	37.93	81	0.57	7.43	3.85	0.82	0.17	0.25	0.09	54	160	**97	<10
19872	W-12	18	20	<1	0.083	170	691	180	100	1200	13.70	15.78	43.71	89	0.80	14.61	6.92	1.69	0.43	0.19	0.13	70	118	**205	<10
19873	W-12	<10	<2	<1	0.050	195	397	202	120	1500	8.90	11.86	46.39	139	1.41	18.51	8.40	2.38	0.70	0.14	0.14	68	84	**263	<10
19874	W-12	213	887	89	0.215	1400	541	214	100	520	7.74	10.58	46.14	119	1.07	20.52	9.25	2.51	0.55	0.12	0.25	62	66	**284	<10
19875	W-12	55	<2	9	0.065	400	764	230	100	720	14.60	16.64	42.25	93	0.72	13.83	6.66	1.78	0.14	0.19	0.14	50	110	**183	<10
19876	W-12	89	<2	34	0.240	1950	723	3247	100	3100	12.85	17.20	42.48	363	0.99	16.26	7.13	2.07	<0.1	0.17	0.29	64	125	**235	<10
19877	W-12	41	99	8	0.100	1050	812	12186	340	860	14.01	25.88	35.22	1463	3.55	13.31	4.99	1.50	0.25	0.22	0.20	48	120	**156	<10
19878	W-12	36	23	3	0.070	280	404	1711	120	2500	11.33	14.89	43.55	284	0.82	17.40	7.68	2.15	0.64	0.16	0.12	60	107	**242	<10
19879	W-12	<10	8	3	0.055	180	321	1196	100	820	9.52	14.87	43.61	289	1.03	18.03	7.88	2.31	0.19	0.15	0.11	66	110	**266	<10
19880	W-12	37	34	6	0.095	380	372	1840	100	1050	9.65	17.70	42.78	614	1.84	16.88	7.49	2.30	0.25	0.18	0.16	68	125	**236	<10
19881	W-12	82	<2	65	1.130	5200	1170	186	100	740	5.83	11.54	45.34	133	0.99	21.15	10.42	2.82	0.11	0.11	0.58	64	100	**324	<10
19882	W-12	34	8	6	0.105	170	218	276	60	2400	6.83	13.16	48.93	209	1.51	19.03	6.18	2.64	1.21	0.13	0.15	72	66	**257	<10
19883	W-12	<10	5	<1	0.310	450	282	418	100	860	7.76	16.21	41.15	308	2.08	16.88	4.74	1.89	2.97	0.13	3.90	160	115	**213	<10
19884	W-12	23	30	9	0.525	1900	1008	110	120	4500	6.93	13.60	45.43	140	1.53	19.02	8.84	2.62	0.40	0.14	0.60	80	110	**283	<10
19885	BA-3	<10	7	<1	0.065	43	1148	131	120	2900	24.31	21.26	35.96	59	0.25	5.63	2.11	0.45	<0.1	0.23	0.08	50	135	**80	<10
19886	BA-3	<10	<2	<1	0.035	70	638	132	100	880	14.68	14.73	41.76	57	0.41	14.57	7.03	1.56	0.26	0.17	0.09	56	105	**204	<10
19887	BA-3	<10	7	<1	0.050	74	767	124	120	800	18.44	17.62	41.84	64	0.40	12.03	5.61	1.40	0.21	0.20	0.06	56	125	**197	<10
19889	BA-3	90	<2	45	0.240	930	745	83	100	370	13.76	14.13	42.93	48	0.39	16.13	7.48	1.88	0.35	0.16	0.16	50	95	**248	<10
19890	BA-3	28	<2	3	0.015	165	880	141	100	2300	19.12	19.79	40.39	127	1.36	9.91	5.56	1.16	0.14	0.23	0.19	46	81	**144	<10
19891	BA-3	<10	7	<1	0.060	152	462	98	80	34	9.50	11.29	45.98	86	1.04	18.92	9.11	2.63	0.36	0.13	0.09	48	61	**285	<10
19892	BA-3	<10	3	<1	0.030	29	408	979	100	430	9.06	18.44	39.47	489	2.36	17.81	9.87	1.75	0.10	0.14	0.04	66	120	**237	<10
19893	BA-3	<10	8	<1	0.060	78	366	304	100	560	11.76	11.85	44.25	134	0.56	18.60	9.71	2.03	<0.1	0.14	0.05	56	80	**266	<10
19894	BA-3	55	66	35	0.135	770	533	1027	120	320	14.01	17.83	42.15	350	2.00	13.26	8.12	1.73	<0.1	0.20	0.11	48	100	**207	<10
19895	BA-3	<10	42	24	0.120	880	279	402	120	1400	7.79	13.99	42.95	461	5.17	15.85	10.92	2.38	<0.1	0.16	0.11	56	78	**260	<10
19896	BA-3	<10	68	<1	0.450	116	468	127	120	1150	12.55	16.44	49.90	138	1.31	10.82	5.45	2.57	0.22	0.20	0.07	42	82	**155	<10
19897	BA-3	<10	<2	4	0.125	150	708	119	80	1500	20.27	22.33	41.53	105	1.13	9.03	5.20	1.45	0.23	0.27	0.09	48	130	**136	<10
19898	BA-3	<10	3	<1	0.041	100	618	92	120	1400	15.42	16.26	42.43	45	0.49	13.64	6.42	1.83	<0.1	0.19	0.06	42	90	**200	<10
19899	BA-3	48	<2	12	0.375	530	419	129	60	1600	12.54	19.63	41.97	398	4.68	9.94	9.27	1.55	<0.1	0.25	0.18	56	92	**170	<10
19900	BA-3	<10	3	<1	0.075	82	404	304	120	350	11.60	12.03	45.17	102	0.93	18.16	9.23	2.27	<0.1	0.15	0.09	40	52	**247	<10

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19901	BA-3	<10	<2	<1	0.025	51	384	340	120	1200	11.75	12.26	50.17	<0.2	88	109	<1	2	<1	<1	1	7	7	**36
19902	BA-3	29	<2	<1	0.050	41	328	477	120	3900	9.30	11.75	56.08	<0.2	58	146	<1	14	<1	<1	1	12	49	**61
19903	BA-3	<10	<2	4	0.075	122	319	300	120	2600	11.43	14.97	47.45	<0.2	91	136	<1	<1	<1	<1	<1	18	43	**47
19904	BA-3	<10	4	<1	0.550	540	422	240	40	950	11.81	18.82	39.62	<0.2	127	122	<1	<1	<1	<1	<1	41	14	**63
19905	BA-3	<10	<2	3	0.090	132	252	250	80	1300	7.93	11.33	46.53	<0.2	65	88	<1	<1	<1	<1	<1	13	5	**26
19906	BA-3	54	26	8	0.112	600	491	301	120	480	14.85	15.97	49.40	<0.2	104	164	<1	3	1	1	3	18	9	**34
19907	BA-3	<10	12	5	0.020	120	220	203	140	1800	8.57	13.40	50.83	<0.2	76	100	<1	2	<1	<1	2	29	20	**39
19908	BA-3	39	60	3	0.436	400	546	231	60	1700	12.12	14.95	52.82	<0.2	85	142	<1	2	1	1	2	20	31	**30
19909	BA-3	<10	13	7	0.124	700	34	240	120	2200	8.33	12.92	47.15	<0.2	73	96	1	3	<1	<1	1	23	9	**29
19910	BA-3	<10	3	<1	0.064	140	251	202	100	430	7.35	11.09	47.81	<0.2	63	102	1	2	<1	<1	1	16	6	**24
19911	BA-3	<10	4	3	0.760	185	216	159	80	480	6.94	12.56	46.83	<0.2	71	90	<1	3	<1	<1	1	18	9	**41
19912	BA-3	<10	19	10	0.172	900	390	307	80	800	8.18	13.76	45.55	<0.2	84	118	1	2	1	1	2	26	16	**62
19913	BA-3	<10	8	4	0.034	53	249	336	80	800	7.54	8.31	47.01	<0.2	58	90	2	2	1	<1	<1	9	6	**32
19914	B-3	<10	23	10	0.332	900	272	185	40	1700	5.50	13.92	43.79	<0.2	76	130	<1	3	<1	2	<1	25	43	**102
19915	B-3	<10	7	3	0.100	132	290	328	40	900	8.11	13.10	46.20	<0.2	78	105	<1	2	1	1	<1	11	15	**78
19916	B-3	167	389	57	0.152	800	590	1548	<20	380	16.46	17.57	42.08	<0.2	118	161	<1	2	<1	1	<1	10	4	**26
19917	B-3	28	63	26	0.492	2300	944	129	100	860	8.36	11.84	46.20	2.2	108	82	<1	8	<1	1	<1	7	3	**36
19918	B-3	<10	19	9	0.276	1200	423	148	40	1400	5.62	8.06	48.46	0.2	65	75	<1	2	<1	1	<1	11	11	**47
19919	B-3	89	82	33	0.244	1700	706	126	60	980	8.47	11.81	47.03	0.4	87	91	<1	1	<1	1	1	9	11	**56
19920	B-3	60	85	28	0.280	1800	998	143	60	1400	15.04	17.10	43.05	<0.2	121	151	4	1	<1	1	<1	12	6	**58
19921	B-3	72	28	11	0.124	700	382	133	40	980	7.20	11.12	47.37	<0.2	70	93	3	1	<1	1	<1	8	9	**67
19922	B-3	<10	45	25	0.252	2000	931	127	80	800	14.77	15.84	43.40	0.4	114	140	<1	1	<1	1	<1	9	4	**28
19923	B-3	<10	41	18	1.060	5400	1537	89	60	235	5.66	10.24	46.41	3.0	81	90	1	<1	<1	<1	<1	5	7	**56
19924	B-3	50	47	23	0.592	2400	801	140	40	1150	11.56	13.26	44.73	0.6	99	105	<1	1	<1	1	<1	8	10	**47
19925	B-3	30	22	9	0.740	2500	734	196	60	840	8.29	13.27	46.17	0.4	97	133	<1	1	<1	1	<1	9	11	**66
19926	B-3	26	10	6	0.644	900	527	289	60	520	7.11	9.78	47.90	<0.2	86	85	<1	1	<1	<1	<1	5	4	**32
19927	B-3	<10	7	<1	0.044	55	259	389	80	540	8.73	13.08	46.35	<0.2	89	91	<1	1	<1	<1	<1	9	9	**50
19928	B-3	36	36	35	0.236	2000	541	155	60	410	12.34	13.65	44.63	0.6	99	125	<1	1	<1	1	<1	6	4	**30
19929	B-3	<10	3	<1	0.052	165	203	198	80	1050	7.30	13.60	47.21	<0.2	82	105	<1	7	<1	<1	<1	20	17	**69
19930	B-3	<10	6	5	0.048	285	266	415	60	1000	7.27	14.63	45.26	<0.2	88	130	<1	1	<1	<1	<1	13	16	**81
19931	B-3	15	<2	3	0.060	225	120	412	40	2100	5.88	15.60	43.10	<0.2	92	111	<1	1	1	<1	<1	62	28	**158
19932	B-3	23	3	4	0.080	225	101	278	60	800	6.16	14.30	46.14	<0.2	70	160	1	1	<1	1	<1	40	36	**133
19933	B-3	<10	4	2	0.048	136	163	125	60	1000	6.12	13.17	47.52	<0.2	70	85	<1	1	<1	1	<1	19	26	**165
19934	B-3	<10	16	<1	0.056	96	197	207	80	1000	6.24	13.31	46.99	<0.2	73	123	1	1	<1	1	<1	14	22	**138
19935	B-3	<10	5	<1	0.168	175	126	152	80	1750	5.19	16.87	44.89	<0.2	74	163	<1	2	1	1	<1	25	53	**194
19936	B-3	<10	4	2	0.024	77	206	168	60	740	6.27	10.77	48.76	<0.2	68	97	1	1	<1	<1	<1	13	17	**88
19937	W-5	64	32	19	0.120	500	286	196	60	1200	6.44	11.36	46.98	0.4	77	99	<1	1	<1	<1	<1	13	13	**98
19938	W-5	46	19	10	0.080	450	240	131	60	1750	6.46	12.19	46.80	<0.2	68	106	<1	1	<1	1	<1	11	21	**81
19939	W-5	<10	15	6	0.060	240	116	540	60	1350	5.32	11.01	47.97	<0.2	58	92	1	1	<1	<1	<1	13	21	**135
19940	W-5	<10	17	5	0.140	600	265	184	80	1450	6.74	14.67	46.41	<0.2	85	136	<1	1	<1	1	<1	21	28	**127

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

APPENDIX C-9

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19901	BA-3	<10	<2	<1	0.025	51	384	340	120	1200	11.75	12.26	50.17	65	0.62	14.11	6.16	2.03	1.02	0.16	0.30	56	60	**206	<10
19902	BA-3	29	<2	<1	0.050	41	328	477	120	3900	9.30	11.75	56.08	98	0.55	7.08	7.45	1.42	0.81	0.19	3.04	62	60	**81	<10
19903	BA-3	<10	<2	4	0.075	122	319	300	120	2600	11.43	14.97	47.45	217	3.01	8.59	8.08	1.38	0.75	0.26	2.68	62	58	**199	<10
19904	BA-3	<10	4	<1	0.550	540	422	240	40	950	11.81	18.82	39.62	484	6.18	9.25	13.16	0.74	<0.1	0.23	0.17	56	105	**163	<10
19905	BA-3	<10	<2	3	0.090	132	252	250	80	1300	7.93	11.33	46.53	131	1.08	18.88	10.56	2.66	<0.1	0.14	0.14	50	44	**265	<10
19906	BA-3	54	26	8	0.112	600	491	301	120	480	14.85	15.97	49.40	160	1.25	10.20	4.99	1.34	0.90	0.26	0.24	52	63	**140	<10
19907	BA-3	<10	12	5	0.020	120	220	203	140	1800	8.57	13.40	50.83	284	2.20	11.23	6.71	2.23	0.87	0.19	0.42	64	78	**202	<10
19908	BA-3	39	60	3	0.436	400	546	231	60	1700	12.12	14.95	52.82	164	1.42	7.90	5.52	1.82	0.91	0.24	1.71	64	72	**144	<10
19909	BA-3	<10	13	7	0.124	700	34	240	120	2200	8.33	12.92	47.15	191	1.68	16.43	9.70	2.35	0.29	0.17	0.21	36	75	**261	<10
19910	BA-3	<10	3	<1	0.064	140	251	202	100	430	7.35	11.09	47.81	142	1.26	18.62	9.81	2.64	0.29	0.15	0.12	38	56	**289	<10
19911	BA-3	<10	4	3	0.760	185	216	159	80	480	6.94	12.56	46.83	277	2.56	18.80	9.05	2.44	0.12	0.14	0.15	38	58	**275	<10
19912	BA-3	<10	19	10	0.172	900	390	307	80	800	8.18	13.76	45.55	314	2.92	15.19	8.88	2.12	0.49	0.18	0.26	40	60	**252	<10
19913	BA-3	<10	8	4	0.034	53	249	336	80	800	7.54	8.31	47.01	81	0.56	20.99	10.13	2.51	0.58	0.11	0.11	44	40	**298	<10
19914	B-3	<10	23	10	0.332	900	272	185	40	1700	5.50	13.92	43.79	294	3.07	16.07	10.52	2.73	0.40	0.17	1.08	32	68	**282	<10
19915	B-3	<10	7	3	0.100	132	290	328	40	900	8.11	13.10	46.20	176	1.46	17.86	8.77	2.60	0.78	0.16	0.21	42	64	**306	<10
19916	B-3	167	389	57	0.152	800	590	1548	<20	380	16.46	17.57	42.08	332	1.36	13.27	6.41	1.77	<0.1	0.20	0.15	36	92	**219	<10
19917	B-3	28	63	26	0.492	2300	944	129	100	860	8.36	11.84	46.20	77	0.64	19.37	9.13	2.54	0.13	0.13	0.28	50	67	**306	<10
19918	B-3	<10	19	9	0.276	1200	423	148	40	1400	5.62	8.06	48.46	103	0.78	22.00	10.74	2.78	<0.1	0.10	0.22	48	46	**355	<10
19919	B-3	89	82	33	0.244	1700	706	126	60	980	8.47	11.81	47.03	89	0.85	18.83	8.81	2.46	0.22	0.14	0.27	50	69	**306	<10
19920	B-3	60	85	28	0.280	1800	998	143	60	1400	15.04	17.10	43.05	88	0.94	13.54	7.02	1.82	<0.1	0.20	0.26	36	105	**219	<10
19921	B-3	72	28	11	0.124	700	382	133	40	980	7.20	11.12	47.37	90	0.94	19.80	8.80	2.76	0.15	0.13	0.19	50	64	**325	<10
19922	B-3	<10	45	25	0.252	2000	931	127	80	800	14.77	15.84	43.40	57	0.47	15.07	7.31	1.96	<0.1	0.18	0.26	34	82	**228	<10
19923	B-3	<10	41	18	1.060	5400	1537	89	60	235	5.66	10.24	46.41	56	0.65	21.61	9.94	2.83	<0.1	0.10	0.57	42	55	**334	<10
19924	B-3	50	47	23	0.592	2400	801	140	40	1150	11.56	13.26	44.73	68	0.68	17.80	8.60	2.38	<0.1	0.14	0.34	44	72	**279	<10
19925	B-3	30	22	9	0.740	2500	734	196	60	840	8.29	13.27	46.17	112	0.97	18.48	8.68	2.57	<0.1	0.14	0.37	56	72	**284	<10
19926	B-3	26	10	6	0.644	900	527	289	60	520	7.11	9.78	47.90	51	0.52	21.23	9.21	2.86	<0.1	0.11	0.17	58	42	**325	<10
19927	B-3	<10	7	<1	0.044	55	259	389	80	540	8.73	13.08	46.35	106	0.96	18.58	8.98	2.62	<0.1	0.15	0.12	73	46	**276	<10
19928	B-3	36	36	35	0.236	2000	541	155	60	410	12.34	13.65	44.63	42	0.42	16.99	7.76	2.44	<0.1	0.16	0.26	78	40	**259	<10
19929	B-3	<10	3	<1	0.052	165	203	198	80	1050	7.30	13.60	47.21	208	2.32	15.82	8.72	2.54	<0.1	0.17	0.27	65	42	**256	<10
19930	B-3	<10	6	5	0.048	285	266	415	60	1000	7.27	14.63	45.26	273	1.85	17.30	8.34	2.69	<0.1	0.17	0.21	64	48	**281	<10
19931	B-3	15	<2	3	0.060	225	120	412	40	2100	5.88	15.60	43.10	718	8.47	11.42	11.40	2.23	<0.1	0.20	0.20	70	50	**186	<10
19932	B-3	23	3	4	0.080	225	101	278	60	800	6.16	14.30	46.14	338	4.10	14.46	9.92	2.73	<0.1	0.18	0.30	66	62	**235	<10
19933	B-3	<10	4	2	0.048	136	163	125	60	1000	6.12	13.17	47.52	179	2.21	17.68	8.64	3.01	<0.1	0.16	0.30	52	60	**278	<10
19934	B-3	<10	16	<1	0.056	96	197	207	80	1000	6.24	13.31	46.99	171	2.30	18.21	8.72	2.87	0.14	0.16	0.23	58	58	**285	<10
19935	B-3	<10	5	<1	0.168	175	126	152	80	1750	5.19	16.87	44.89	384	3.88	14.11	8.79	2.92	0.39	0.20	0.83	70	100	**229	<10
19936	B-3	<10	4	2	0.024	77	206	168	60	740	6.27	10.77	48.76	123	1.44	18.97	8.89	2.94	0.51	0.13	0.16	60	66	**293	<10
19937	W-5	64	32	19	0.120	500	286	196	60	1200	6.44	11.36	46.98	135	1.57	19.16	8.75	2.93	0.40	0.14	0.22	59	66	**323	<10
19938	W-5	46	19	10	0.080	450	240	131	60	1750	6.46	12.19	46.80	112	1.34	18.77	9.11	2.95	0.27	0.15	0.26	63	60	**296	<10
19939	W-5	<10	15	6	0.060	240	116	540	60	1350	5.32	11.01	47.97	206	1.88	18.50	9.03	3.18	0.42	0.13	0.26	59	70	**296	<10
19940	W-5	<10	17	5	0.140	600	265	184	80	1450	6.74	14.67	46.41	245	2.48	15.93	8.74	2.83	0.40	0.18	0.31	88	76	**255	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

APPENDIX C-10

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19941	W-5	26	11	3	0.036	210	592	169	80	1400	16.83	17.44	42.72	<0.2	122	134	<1	1	<1	1	<1	10	7	**50
19942	W-5	32	61	21	0.664	4400	1081	139	60	1700	11.63	14.19	44.15	2.0	105	122	<1	1	<1	11	1	8	7	**69
19943	W-5	51	68	25	0.684	2800	1803	150	60	2000	12.80	15.55	44.33	1.2	130	130	1	1	<1	1	1	14	10	**64
19944	W-5	53	84	35	1.180	3700	1168	121	40	1200	10.10	17.72	46.77	1.6	139	134	<1	4	<1	1	<1	9	9	**56
19945	W-5	<10	32	16	0.016	3200	1185	548	20	1400	7.41	16.82	44.36	1.2	135	119	<1	7	<1	<1	<1	15	16	**81
19946	W-5	35	83	26	9.300	5700	1107	227	20	1300	5.24	18.61	45.43	2.2	123	177	3	3	<1	1	<1	17	22	**68
19947	A-2	97	169	52	0.632	3200	1160	491	20	1500	9.00	17.45	40.90	2.6	150	150	2	10	<1	1	1	25	4	**46
19948	A-2	67	193	65	0.588	2000	863	214	40	1550	11.46	16.92	41.63	1.0	143	147	1	8	<1	1	<1	12	3	**26
19949	A-2	46	79	20	0.180	1000	619	179	20	600	9.73	14.34	43.98	0.2	108	113	<1	6	<1	1	<1	10	5	**24
19950	A-2	36	64	19	0.316	1200	690	150	20	1500	11.99	15.71	44.54	0.4	98	121	<1	7	<1	1	<1	14	12	**33
19951	A-2	92	78	14	0.040	1500	710	251	<20	1400	11.34	13.44	44.68	0.4	119	134	1	4	<1	1	<1	14	7	**18
19952	A-2	45	98	18	0.620	1850	965	208	40	540	11.53	25.34	38.35	0.2	213	187	<1	9	<1	1	<1	11	9	**27
19953	A-2	83	201	49	3.064	3300	944	326	60	430	11.88	25.14	40.40	4.4	207	219	2	10	<1	1	<1	29	9	**44
19955	A-2	<10	42	2	0.592	1500	239	382	40	940	4.68	7.95	48.93	6.0	45	81	27	9	<1	1	1	21	19	**109
19956	A-2	16	23	4	0.168	220	324	148	40	1400	9.47	11.87	43.89	<0.2	65	87	<1	2	<1	<1	<1	10	21	**82
19957	A-2	33	25	20	0.960	500	284	220	120	680	8.23	13.54	45.88	<0.2	74	119	<1	5	<1	1	<1	13	18	**75
19959	A-2	31	41	4	0.052	370	435	227	40	800	9.52	12.14	45.19	<0.2	92	134	<1	1	<1	1	<1	9	14	**81
19960	A-2	<10	13	5	0.096	210	332	168	60	430	11.33	15.49	44.10	<0.2	81	130	<1	1	<1	1	<1	16	17	**103
19961	A-2	26	12	5	0.028	170	339	199	80	680	8.86	14.37	44.87	<0.2	89	135	<1	1	<1	<1	<1	15	18	**97
19962	A-2	39	61	9	0.080	255	262	179	80	480	10.21	15.39	44.87	<0.2	79	115	<1	1	<1	<1	<1	14	25	**128
19963	A-2	<10	30	8	0.060	205	324	183	100	390	8.93	14.11	45.19	<0.2	80	130	<1	5	<1	<1	<1	15	23	**125
19964	A-2	39	51	8	0.048	360	388	147	60	275	8.82	14.45	45.99	<0.2	88	127	<1	1	<1	<1	<1	14	24	**118
19965	A-2	71	86	10	0.026	800	436	169	60	580	9.15	15.44	44.92	<0.2	83	130	<1	1	<1	1	1	18	22	**141
19966	A-2	29	69	11	0.108	380	361	139	60	335	9.33	15.27	45.18	<0.2	77	96	<1	1	<1	1	<1	15	23	**116
19967	A-2	20	61	10	0.720	290	345	130	60	530	8.90	14.58	44.87	<0.2	70	140	<1	1	<1	1	1	16	33	**196
19968	A-2	26	47	7	0.108	310	299	112	60	355	7.12	13.09	46.45	<0.2	70	123	<1	1	<1	<1	<1	16	20	**127
19970	A-2	<10	23	5	0.068	175	188	120	80	610	6.76	13.99	47.14	<0.2	67	127	1	1	<1	1	<1	20	43	**210
19971	A-2	23	17	6	0.080	240	209	196	40	355	7.66	15.68	45.78	<0.2	76	134	<1	1	<1	1	<1	21	31	**159
19972	A-2	<10	22	6	0.048	200	284	165	80	290	8.00	13.13	45.73	<0.2	70	110	<1	1	<1	1	<1	14	22	**118
19973	A-2	16	71	8	0.076	370	367	125	40	710	8.42	13.68	45.37	<0.2	71	121	<1	1	<1	1	<1	12	22	**104
19974	A-2	<10	48	78	0.068	500	389	935	40	500	8.17	13.85	45.85	<0.2	72	120	<1	1	<1	1	<1	14	24	**145
19975	A-4	43	108	38	0.100	1200	541	229	60	115	15.04	19.40	40.56	0.2	132	154	<1	2	<1	1	<1	*	15	22
19976	A-4	60	141	39	0.340	1400	580	644	40	320	17.07	26.93	32.74	0.4	193	170	<1	3	<1	<1	<1	*	7	50
19977	A-4	53	71	26	0.804	900	414	555	40	167	14.58	22.97	35.50	0.2	156	151	<1	1	<1	<1	<1	*	9	34
19978	A-4	45	83	22	0.604	900	439	472	20	190	16.22	26.09	33.84	<0.2	174	171	<1	4	<1	<1	<1	*	<1	24
19979	A-4	40	80	24	0.704	700	362	287	40	213	18.53	28.02	35.04	<0.2	180	171	<1	2	<1	1	<1	*	4	22
19980	A-4	47	105	38	0.120	1500	499	280	60	320	19.50	29.21	34.30	0.8	192	177	<1	4	<1	<1	<1	*	6	20
19981	A-4	20	68	23	0.940	700	322	554	80	213	15.89	24.99	33.53	<0.2	167	149	<1	4	<1	1	<1	*	2	29
19982	A-4	59	83	25	0.624	900	446	542	60	160	18.47	28.65	32.29	0.4	189	154	<1	2	<1	<1	<1	*	<1	27
19983	A-4	96	323	35	0.832	2200	414	705	80	275	16.91	28.51	33.47	0.6	199	180	<1	4	<1	1	<1	*	7	46

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Analysis requested but never received
** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

APPENDIX C-11

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19941	W-5	26	11	3	0.036	210	592	169	80	1400	16.83	17.44	42.72	83	0.78	12.80	6.16	1.82	<0.1	0.20	0.14	100	50	**193	<10
19942	W-5	32	61	21	0.664	4400	1081	139	60	1700	11.63	14.19	44.15	65	0.73	16.81	7.84	2.34	<0.1	0.15	0.53	90	60	**261	<10
19943	W-5	51	68	25	0.684	2800	1803	150	60	2000	12.80	15.55	44.33	117	0.98	15.29	6.46	1.95	0.17	0.16	0.39	85	68	**222	<10
19944	W-5	53	84	35	1.180	3700	1168	121	40	1200	10.10	17.72	46.77	100	0.83	15.11	6.81	1.95	<0.1	0.15	0.40	100	58	**232	<10
19945	W-5	<10	32	16	0.016	3200	1185	548	20	1400	7.41	16.82	44.36	302	1.38	16.03	7.04	2.72	0.51	0.16	0.45	78	76	**211	<10
19946	W-5	35	83	26	9.300	5700	1107	227	20	1300	5.24	18.61	45.43	235	1.88	14.35	7.97	2.12	0.67	0.18	0.60	60	72	**221	<10
19947	A-2	97	169	52	0.632	3200	1160	491	20	1500	9.00	17.45	40.90	544	4.70	15.21	6.89	1.06	0.88	0.17	0.42	64	92	**364	<10
19948	A-2	67	193	65	0.588	2000	863	214	40	1550	11.46	16.92	41.63	170	1.26	16.66	6.91	1.09	0.43	0.18	0.29	86	56	**258	<10
19949	A-2	46	79	20	0.180	1000	619	179	20	600	9.73	14.34	43.98	99	1.00	17.93	8.48	1.76	0.21	0.15	0.22	72	44	**283	<10
19950	A-2	36	64	19	0.316	1200	690	150	20	1500	11.99	15.71	44.54	162	1.38	15.98	7.65	1.19	0.23	0.17	0.24	53	44	**270	<10
19951	A-2	92	78	14	0.040	1500	710	251	<20	1400	11.34	13.44	44.68	144	0.86	17.55	9.18	1.35	<0.1	0.16	0.28	48	40	**277	<10
19952	A-2	45	98	18	0.620	1850	965	208	40	540	11.53	25.34	38.35	145	1.01	14.09	6.81	1.03	<0.1	0.17	0.24	70	28	**227	<10
19953	A-2	83	201	49	3.064	3300	944	326	60	430	11.88	25.14	40.40	360	2.60	12.96	5.83	0.79	0.12	0.19	0.41	75	32	**168	<10
19955	A-2	<10	42	2	0.592	1500	239	382	40	940	4.68	7.95	48.93	199	1.56	19.65	12.44	3.07	0.52	0.10	0.40	38	64	**293	<10
19956	A-2	16	23	4	0.168	220	324	148	40	1400	9.47	11.87	43.89	119	1.30	16.56	10.79	1.70	0.42	0.14	0.22	56	56	**185	<10
19957	A-2	33	25	20	0.960	500	284	220	120	680	8.23	13.54	45.88	155	2.41	15.59	8.50	2.64	1.12	0.17	0.32	55	100	**240	<10
19959	A-2	31	41	4	0.052	370	435	227	40	800	9.52	12.14	45.19	121	1.90	16.78	10.79	1.88	0.82	0.16	0.22	67	40	**207	<10
19960	A-2	<10	13	5	0.096	210	332	168	60	430	11.33	15.49	44.10	194	2.10	14.20	8.42	2.21	0.70	0.20	0.19	64	54	**232	<10
19961	A-2	26	12	5	0.028	170	339	199	80	680	8.86	14.37	44.87	200	1.61	15.36	8.85	2.47	0.94	0.18	0.23	63	48	**226	<10
19962	A-2	39	61	9	0.080	255	262	179	80	480	10.21	15.39	44.87	157	1.75	15.14	8.07	2.37	0.48	0.19	0.20	52	50	**249	<10
19963	A-2	<10	30	8	0.060	205	324	183	100	390	8.93	14.11	45.19	165	1.77	15.86	8.43	2.52	0.86	0.18	0.23	52	60	**244	<10
19964	A-2	39	51	8	0.048	360	388	147	60	275	8.82	14.45	45.99	188	2.25	16.31	8.50	2.60	0.52	0.18	0.27	53	50	**238	<10
19965	A-2	71	86	10	0.026	800	436	169	60	580	9.15	15.44	44.92	216	2.00	14.66	8.38	2.27	0.81	0.19	0.26	57	66	**238	<10
19966	A-2	29	69	11	0.108	380	361	139	60	335	9.33	15.27	45.18	180	2.04	15.25	7.97	2.44	0.78	0.19	0.34	55	58	**263	<10
19967	A-2	20	61	10	0.720	290	345	130	60	530	8.90	14.58	44.87	175	1.91	15.76	8.46	2.44	0.78	0.18	0.28	60	80	**241	<10
19968	A-2	26	47	7	0.108	310	299	112	60	355	7.12	13.09	46.45	177	2.12	17.18	9.07	2.70	0.92	0.17	0.27	53	68	**277	<10
19970	A-2	<10	23	5	0.068	175	188	120	80	610	6.76	13.99	47.14	207	2.57	15.38	8.56	2.85	1.13	0.18	0.42	52	80	**242	<10
19971	A-2	23	17	6	0.080	240	209	196	40	355	7.66	15.68	45.78	246	2.96	14.62	8.53	2.63	1.08	0.20	0.34	62	68	**228	<10
19972	A-2	<10	22	6	0.048	200	284	165	80	290	8.00	13.13	45.73	159	1.57	17.29	8.87	2.67	0.70	0.16	0.25	60	60	**269	<10
19973	A-2	16	71	8	0.076	370	367	125	40	710	8.42	13.68	45.37	148	1.64	16.90	8.66	2.63	0.81	0.17	0.29	52	62	**262	<10
19974	A-2	<10	48	78	0.068	500	389	935	40	500	8.17	13.85	45.85	171	1.94	16.49	8.58	2.65	1.09	0.17	0.36	56	66	**252	<10
19975	A-4	43	108	38	0.100	1200	541	229	60	115	15.04	19.40	40.56	215	1.27	13.72	6.06	1.52	0.51	0.19	0.15	70	28	207	58
19976	A-4	60	141	39	0.340	1400	580	644	40	320	17.07	26.93	32.74	887	6.81	7.55	3.45	0.72	0.78	0.24	0.17	88	40	111	33
19977	A-4	53	71	26	0.804	900	414	555	40	167	14.58	22.97	35.50	747	5.80	11.95	5.34	0.95	0.68	0.21	0.12	72	32	175	39
19978	A-4	45	83	22	0.604	900	439	472	20	190	16.22	26.09	33.84	649	4.96	8.92	4.48	0.60	0.66	0.24	0.12	82	38	126	32
19979	A-4	40	80	24	0.704	700	362	287	40	213	18.53	28.02	35.04	395	2.78	7.50	3.32	0.59	0.39	0.26	0.10	92	32	98	19
19980	A-4	47	105	38	0.120	1500	499	280	60	320	19.50	29.21	34.30	370	2.52	6.20	3.08	0.53	0.68	0.27	0.16	95	26	85	22
19981	A-4	20	68	23	0.940	700	322	554	80	213	15.89	24.99	33.53	712	5.68	10.68	5.17	0.79	1.03	0.23	0.12	90	30	143	26
19982	A-4	59	83	25	0.624	900	446	542	60	160	18.47	28.65	32.29	661	5.08	6.86	3.29	0.52	0.66	0.27	0.13	120	30	92	18
19983	A-4	96	323	35	0.832	2200	414	705	80	275	16.91	28.51	33.47	818	6.13	6.29	3.29	0.75	0.96	0.27	0.23	105	44	85	77

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

** These samples were reported as < 10 ppm when analyzed using ICAP whole rock package

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19984	A-4	37	89	24	0.448	700	459	691	100	370	18.17	29.34	31.46	<0.2	197	183	<1	2	<1	<1	1	*	3	33
19985	A-4	139	302	47	0.408	800	871	320	120	193	21.00	24.37	36.51	<0.2	164	150	<1	1	<1	1	<1	*	<1	< 10
19986	A-4	80	160	51	0.468	1000	796	217	80	145	23.55	30.83	32.81	<0.2	190	222	<1	1	<1	1	<1	*	<1	< 10
19987	A-4	63	445	277	0.676	1700	666	355	320	430	22.46	33.34	32.16	0.6	216	244	<1	2	<1	<1	1	*	<1	16
19988	A-4	41	139	35	1.186	1900	785	684	80	150	19.87	36.27	27.88	0.2	277	213	<1	4	<1	1	<1	*	<1	38
19989	A-4	32	144	33	0.840	2000	832	598	100	167	19.80	34.24	30.54	1.2	239	242	<1	6	<1	1	<1	*	2	50
19990	A-4	49	94	33	0.516	1150	793	296	500	550	20.78	33.35	30.99	0.4	199	219	<1	2	<1	1	<1	*	<1	19
19991	A-4	44	127	49	0.464	1200	881	256	140	213	22.13	33.07	34.89	2.2	190	234	<1	4	<1	1	1	*	<1	13
19992	A-4	48	232	70	0.772	2200	1025	261	140	145	22.56	34.79	30.18	1.0	242	239	<1	6	<1	1	<1	*	<1	16
19993	A-4	39	156	47	0.800	2000	869	251	120	125	21.87	35.10	29.83	0.4	254	233	<1	5	<1	1	<1	*	<1	16
19995	A-4	44	86	24	0.536	1200	619	582	140	150	22.25	35.65	30.03	0.2	217	247	<1	4	<1	1	<1	*	<1	15
19996	A-4	34	86	24	0.732	1200	769	1370	160	100	19.01	32.22	29.30	0.6	229	203	<1	4	<1	<1	<1	*	10	58
19997	A-4	40	93	36	0.840	1700	936	7000	160	105	20.06	37.09	27.06	0.6	268	284	<1	5	<1	<1	<1	*	3	36
19998	A-4	<10	58	19	0.492	900	676	2200	100	175	20.60	35.37	26.99	0.8	252	210	<1	2	<1	1	<1	*	<1	53
20000	A-4	19	49	19	0.200	700	567	2600	80	130	17.79	37.80	21.42	<0.2	258	195	<1	2	<1	<1	<1	*	<1	100
20001	A-4	16	17	3	0.028	375	459	2100	160	200	16.48	37.40	17.57	0.2	261	211	<1	1	<1	<1	2	*	<1	128
20002	A-4	28	39	18	0.096	500	598	2070	120	125	15.34	37.41	17.86	0.4	272	216	<1	1	<1	1	<1	*	<1	127
20003	A-4	16	28	5	0.284	500	556	2000	120	105	13.80	39.43	14.88	0.4	275	240	<1	1	<1	1	<1	*	<1	156
20004	A-4	30	34	8	0.240	700	626	1400	100	210	17.68	36.28	19.22	0.4	274	171	<1	1	<1	2	<1	*	<1	132
20005	A-4	20	48	18	0.216	1000	675	1300	60	320	16.77	36.00	20.28	0.8	273	216	<1	3	<1	1	<1	*	2	130
20006	A-4	19	26	11	0.144	600	593	1400	60	420	16.32	36.37	20.59	1.6	268	194	<1	1	<1	<1	<1	*	<1	125
20007	A-4	<10	41	27	0.228	1000	671	1200	40	105	16.51	35.82	22.57	0.8	279	203	<1	1	<1	1	<1	*	5	112
20009	A-4	59	145	40	0.800	1700	816	750	80	245	19.69	36.00	30.81	1.0	240	254	<1	2	<1	1	<1	*	<1	34
20010	A-4	88	367	61	0.580	1600	920	790	60	100	19.57	37.30	29.51	1.0	266	263	<1	4	<1	1	<1	*	3	50
20011	A-4	69	250	85	0.808	2400	1155	510	80	50	18.67	32.24	34.61	1.4	249	242	<1	6	<1	1	1	*	<1	31
20012	A-4	20	52	13	0.140	700	372	400	80	900	9.11	19.28	39.01	<0.2	118	150	<1	2	<1	1	<1	*	4	33
20013	A-4	<10	36	15	0.204	800	381	380	100	430	9.05	19.49	39.05	<0.2	115	150	<1	2	<1	1	<1	*	<1	33
20014	A-4	<10	38	17	0.176	500	343	271	40	150	13.39	17.84	38.34	<0.2	84	124	1	2	<1	1	<1	*	2	23
20015	A-1	45	164	66	0.180	1400	505	193	60	450	8.16	14.78	46.33	0.6	85	141	<1	3	<1	1	<1	*	26	118
20016	A-1	15	13	12	1.068	450	139	538	60	130	7.00	18.58	42.47	<0.2	59	266	<1	6	<1	1	<1	*	6	155
20017	A-1	55	118	43	0.400	2700	569	273	20	250	6.65	15.25	47.28	1.0	78	140	<1	1	<1	1	<1	*	25	118
20019	A-1	77	134	22	0.152	800	348	127	60	440	6.84	15.28	47.82	<0.2	65	124	<1	1	<1	2	1	*	27	158
20020	A-1	<10	29	6	0.212	115	128	115	40	600	4.19	12.67	53.01	<0.2	51	165	<1	8	<1	1	<1	*	31	224
20021	A-1	<10	3	<1	0.048	60	60	182	<20	700	2.43	8.41	60.19	<0.2	23	194	<1	11	<1	1	<1	*	25	137
20022	3	<10	12	6	0.372	150	210	240	20	66	6.16	12.80	48.06	0.2	59	118	<1	1	<1	1	<1	*	18	90
20023	3	<10	12	7	0.360	220	236	275	20	320	6.04	14.49	49.26	<0.2	60	171	<1	2	<1	1	<1	*	23	134
20024	3	30	39	13	0.080	125	205	242	40	200	5.69	9.88	49.50	<0.2	48	89	<1	1	<1	1	1	*	14	65
20025	3	<10	4	8	0.092	270	80	123	20	240	5.18	16.49	46.89	<0.2	60	133	<1	1	<1	1	<1	*	35	150
20026	3	<10	23	9	0.600	260	112	148	40	290	4.66	14.77	48.54	<0.2	55	142	<1	1	<1	1	<1	*	40	250
20027	3	<10	70	20	0.076	500	185	114	40	410	5.23	14.36	48.27	<0.2	57	123	1	1	<1	1	1	*	34	218

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Analysis requested but never received

APPENDIX C-13

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19984	A-4	37	89	24	0.448	700	459	691	100	370	18.17	29.34	31.46	791	6.64	6.45	3.23	0.46	0.80	0.28	0.12	105	30	86	17
19985	A-4	139	302	47	0.408	800	871	320	120	193	21.00	24.37	36.51	153	0.88	6.62	2.90	0.58	0.58	0.27	0.10	105	28	78	22
19986	A-4	80	160	51	0.468	1000	796	217	80	145	23.55	30.83	32.81	194	1.03	2.04	1.51	0.17	0.48	0.30	0.12	135	26	28	<10
19987	A-4	63	445	277	0.676	1700	666	355	320	430	22.46	33.34	32.16	341	2.22	2.15	1.14	0.21	0.56	0.30	0.16	130	32	31	13
19988	A-4	41	139	35	1.186	1900	785	684	80	150	19.87	36.27	27.88	828	6.89	1.50	1.01	0.15	0.45	0.31	0.27	145	34	28	12
19989	A-4	32	144	33	0.840	2000	832	598	100	167	19.80	34.24	30.54	688	6.00	2.02	0.76	0.26	0.99	0.31	0.23	120	56	24	99
19990	A-4	49	94	33	0.516	1150	793	296	500	550	20.78	33.35	30.99	386	3.21	2.53	1.37	0.19	0.86	0.29	0.13	140	34	37	13
19991	A-4	44	127	49	0.464	1200	881	256	140	213	22.13	33.07	34.89	239	1.63	1.26	0.47	0.22	1.04	0.31	0.14	170	56	< 10	40
19992	A-4	48	232	70	0.772	2200	1025	261	140	145	22.56	34.79	30.18	328	2.46	0.36	0.47	0.07	0.60	0.31	0.21	100	36	< 10	13
19993	A-4	39	156	47	0.800	2000	869	251	120	125	21.87	35.10	29.83	315	2.52	0.46	0.33	0.05	0.58	0.23	0.17	125	32	< 10	<10
19995	A-4	44	86	24	0.536	1200	619	582	140	150	22.25	35.65	30.03	428	2.77	0.94	0.54	0.04	0.46	0.24	0.14	70	30	12	<10
19996	A-4	34	86	24	0.732	1200	769	1370	160	100	19.01	32.22	29.30	1120	9.83	0.97	2.64	0.18	0.60	0.30	0.15	86	30	18	22
19997	A-4	40	93	36	0.840	1700	936	7000	160	105	20.06	37.09	27.06	2233	6.67	0.69	0.64	0.05	0.66	0.27	0.20	72	30	< 10	29
19998	A-4	<10	58	19	0.492	900	676	2200	100	175	20.60	35.37	26.99	1191	9.66	0.22	0.60	0.03	0.49	0.29	0.11	130	33	< 10	<10
20000	A-4	19	49	19	0.200	700	567	2600	80	130	17.79	37.80	21.42	1878	19.35	0.19	0.56	0.04	0.51	0.34	0.11	155	36	< 10	<10
20001	A-4	16	17	3	0.028	375	459	2100	160	200	16.48	37.40	17.57	2215	23.50	0.02	0.62	0.04	0.82	0.35	0.08	140	36	< 10	<10
20002	A-4	28	39	18	0.096	500	598	2070	120	125	15.34	37.41	17.86	2364	24.48	0.18	0.95	0.04	0.69	0.36	0.08	125	28	< 10	<10
20003	A-4	16	28	5	0.284	500	556	2000	120	105	13.80	39.43	14.88	2786	28.72	0.05	0.66	0.04	0.28	0.37	0.08	120	36	< 10	24
20004	A-4	30	34	8	0.240	700	626	1400	100	210	17.68	36.28	19.22	2246	21.33	0.39	0.61	0.04	0.35	0.32	0.14	160	40	< 10	<10
20005	A-4	20	48	18	0.216	1000	675	1300	60	320	16.77	36.00	20.28	2193	21.36	0.42	0.33	0.03	0.27	0.32	0.13	130	40	< 10	<10
20006	A-4	19	26	11	0.144	600	593	1400	60	420	16.32	36.37	20.59	2156	21.50	0.85	0.36	0.04	0.37	0.33	0.10	90	46	< 10	11
20007	A-4	<10	41	27	0.228	1000	671	1200	40	105	16.51	35.82	22.57	1892	18.77	1.99	1.05	0.07	0.93	0.33	0.16	130	32	28	11
20009	A-4	59	145	40	0.800	1700	816	750	80	245	19.69	36.00	30.81	714	5.56	1.07	2.59	0.10	0.60	0.33	0.16	150	30	13	<10
20010	A-4	88	367	61	0.580	1600	920	790	60	100	19.57	37.30	29.51	875	8.48	1.39	1.58	0.11	0.55	0.34	0.17	150	32	20	13
20011	A-4	69	250	85	0.808	2400	1155	510	80	50	18.67	32.24	34.61	603	5.16	4.21	2.25	0.24	1.03	0.31	0.24	115	56	62	33
20012	A-4	20	52	13	0.140	700	372	400	80	900	9.11	19.28	39.01	455	4.03	16.04	7.87	0.70	1.35	0.19	0.14	80	76	206	93
20013	A-4	<10	36	15	0.204	800	381	380	100	430	9.05	19.49	39.05	469	4.13	15.48	8.19	0.75	1.19	0.20	0.14	80	48	204	77
20014	A-4	<10	38	17	0.176	500	343	271	40	150	13.39	17.84	38.34	238	1.94	14.73	6.34	0.52	1.55	0.18	0.14	80	100	198	248
20015	A-1	45	164	66	0.180	1400	505	193	60	450	8.16	14.78	46.33	183	1.78	16.42	8.48	2.50	1.19	0.17	0.39	72	70	233	204
20016	A-1	15	13	12	1.068	450	139	538	60	130	7.00	18.58	42.47	420	1.88	23.99	1.04	0.66	1.16	0.09	0.11	61	68	116	105
20017	A-1	55	118	43	0.400	2700	569	273	20	250	6.65	15.25	47.28	211	2.08	16.00	7.67	2.65	0.54	0.18	0.38	75	55	239	203
20019	A-1	77	134	22	0.152	800	348	127	60	440	6.84	15.28	47.82	183	2.09	16.08	7.68	2.74	0.59	0.19	0.35	75	72	246	233
20020	A-1	<10	29	6	0.212	115	128	115	40	600	4.19	12.67	53.01	226	2.76	16.66	4.46	2.07	2.75	0.14	0.36	55	420	451	565
20021	A-1	<10	3	<1	0.048	60	60	182	<20	700	2.43	8.41	60.19	157	0.86	17.40	0.67	1.60	4.95	0.04	0.18	30	1400	148	727
20022	3	<10	12	6	0.372	150	210	240	20	66	6.16	12.80	48.06	180	2.12	18.25	8.28	2.86	0.58	0.16	0.16	65	42	266	185
20023	3	<10	12	7	0.360	220	236	275	20	320	6.04	14.49	49.26	250	2.05	18.17	5.71	2.38	0.72	0.15	0.21	68	78	242	443
20024	3	30	39	13	0.080	125	205	242	40	200	5.69	9.88	49.50	88	0.88	21.40	8.52	3.33	0.19	0.11	0.17	40	48	315	162
20025	3	<10	4	8	0.092	270	80	123	20	240	5.18	16.49	46.89	525	4.19	13.55	11.08	2.61	0.25	0.20	0.26	80	62	210	202
20026	3	<10	23	9	0.600	260	112	148	40	290	4.66	14.77	48.54	235	3.00	16.77	8.41	3.11	0.68	0.19	0.41	60	82	247	264
20027	3	<10	70	20	0.076	500	185	114	40	410	5.23	14.36	48.27	211	2.51	16.78	8.40	2.96	0.73	0.18	0.37	60	70	247	237

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX C-14

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20028	CN-1	<10	<2	<1	0.096	1000	1187	395	20	140	3.83	36.70	26.36	0.4	256	187	<1	5	<1	1	2	*	6	98
20029	CN-1	17	5	6	0.488	1100	676	748	40	24	7.49	40.09	20.31	0.4	271	192	<1	6	<1	1	<1	*	<1	135
20030	CN-1	24	80	46	0.836	1700	889	473	320	500	22.14	38.07	27.74	1.2	260	252	<1	10	<1	<1	<1	*	<1	51
20031	CN-1	<10	19	14	0.844	1900	845	414	460	89	16.97	32.03	26.84	0.6	227	144	<1	11	<1	1	<1	*	6	61
20032	CN-1	<10	10	9	1.268	2100	674	1310	460	450	13.24	39.57	17.56	0.4	298	185	<1	9	<1	<1	<1	*	<1	139
20033	CN-1	<10	7	4	0.244	1000	586	1190	260	400	17.64	39.74	21.17	<0.2	293	186	<1	5	<1	<1	<1	*	<1	95
20034	CN-1	49	97	25	0.776	1800	760	1300	500	160	18.88	39.37	23.26	0.4	294	251	<1	7	<1	<1	<1	*	2	87
20035	CN-1	20	57	12	0.684	1350	668	1100	100	138	18.90	39.24	23.70	0.4	289	213	<1	6	<1	<1	<1	*	<1	85
20036	CN-1	222	375	148	1.830	4500	963	430	40	210	18.23	36.25	33.47	2.6	224	218	<1	25	1	<1	<1	*	11	76
20037	CN-1	32	50	23	1.000	900	376	135	20	220	8.98	17.19	44.17	<0.2	118	80	<1	6	<1	<1	<1	*	2	15
20038	CN-1	<10	41	18	0.168	850	299	371	40	420	14.86	24.87	40.27	<0.2	144	126	<1	6	<1	<1	<1	*	6	23
20040	CN-1	33	64	18	12.300	800	494	462	40	140	8.53	27.66	38.36	<0.2	218	54	<1	28	<1	1	<1	*	<1	27
20042	CN-1	29	101	21	36.000	1600	621	452	20	100	10.41	40.37	32.73	0.4	267	188	<1	27	<1	1	<1	*	<1	16
20044	CN-1	<10	56	12	7.300	700	446	375	20	80	8.12	25.31	39.75	<0.2	201	107	<1	17	<1	2	2	*	<1	15
20046	CN-1	*	*	*	31.800	1800	464	300	60	100	16.15	33.92	32.11	0.4	235	162	<1	6	<1	<1	1	*	<1	10
20050	CN-1	<10	31	6	45.300	1700	1064	582	60	100	17.27	44.87	25.95	0.4	456	182	<1	11	<1	<1	<1	*	<1	13
20051	CN-1	<10	22	10	25.100	1300	686	1140	60	110	16.44	33.00	32.33	<0.2	304	186	<1	5	<1	1	<1	*	<1	<10
20052	CN-1	<10	23	8	52.960	1600	991	830	40	180	13.29	34.74	33.49	0.2	390	163	<1	11	<1	1	<1	*	<1	18
20056	CN-1	34	51	26	5.800	950	476	747	<20	100	13.27	21.64	42.86	<0.2	169	186	<1	18	<1	1	<1	*	2	22
20057	CN-1	27	37	23	8.100	1000	770	260	<20	500	8.43	22.65	43.75	0.2	211	117	<1	15	<1	1	1	*	4	27
20059	CN-1	54	75	59	1.770	1300	371	306	40	190	6.73	15.09	46.02	0.6	96	113	<1	15	<1	1	<1	*	7	23
20060	CN-1	16	28	13	1.990	800	404	332	<20	100	8.02	18.97	45.04	6.2	124	135	<1	15	1	1	<1	*	2	16
20061	CN-1	<10	23	12	24.200	700	476	191	20	145	14.13	23.80	41.48	0.4	167	162	<1	14	1	1	<1	*	<1	12
20062	CN-1	28	47	25	42.100	2100	1690	164	40	100	7.86	35.34	33.16	0.8	433	143	<1	15	<1	1	<1	*	2	16
20063	CN-1	<10	67	42	39.300	3000	1350	498	40	110	15.72	37.32	31.97	0.8	369	264	<1	17	<1	1	<1	*	<1	41
20064	CN-1	33	70	69	0.362	1500	1430	1560	40	110	18.30	40.89	30.28	0.4	420	265	<1	23	<1	<1	<1	*	2	16
20066	CN-1	22	40	41	2.960	800	239	1010	100	100	5.46	18.85	44.32	0.4	122	160	<1	19	<1	1	<1	*	11	110
20067	CN-1	<10	7	15	0.620	390	861	1200	20	165	14.90	31.28	36.05	0.2	283	191	<1	11	<1	<1	<1	*	6	29
20069	CN-1	<10	11	10	0.790	800	511	1160	80	175	16.50	35.90	26.61	0.2	249	240	<1	7	<1	<1	<1	*	2	74
20070	CN-1	<10	22	16	1.800	500	464	790	60	110	9.41	28.31	34.82	<0.2	178	180	<1	14	<1	1	<1	*	6	68
20071	CN-1	16	37	24	1.660	1600	595	618	120	70	17.52	33.25	31.29	1.2	246	188	<1	13	<1	<1	<1	32	7	46
20072	CN-1	49	81	57	1.340	2100	1283	477	240	160	21.51	39.42	31.88	1.4	335	217	1	16	<1	1	<1	23	5	35
20073	CN-1	58	111	120	1.330	2300	850	306	100	160	20.63	31.38	39.41	1.2	232	216	<1	14	<1	1	<1	27	5	19
20075	CN-1	<10	46	30	0.870	1400	946	317	100	50	16.80	23.83	39.22	0.4	203	123	<1	9	<1	1	<1	18	3	<10
20076	CN-1	54	75	76	0.560	1800	929	333	60	200	18.46	25.31	38.94	0.6	209	145	2	9	<1	1	<1	23	3	10
20077	CN-1	23	48	29	0.440	2700	1562	753	20	50	12.56	28.24	34.93	1.2	288	163	<1	15	<1	1	<1	36	6	51
20079	CN-1	42	80	48	0.510	2900	1087	316	<20	130	12.86	22.51	42.51	1.2	168	162	<1	14	1	1	<1	30	7	24
20080	CN-7	<10	3	6	0.480	400	325	477	20	370	8.84	24.07	39.00	<0.2	156	135	<1	3	<1	1	<1	69	28	229
20081	CN-7	<10	6	4	0.560	290	156	467	20	130	12.86	25.01	37.01	0.8	147	119	<1	1	<1	1	<1	81	19	130
20083	CN-7	<10	13	10	1.350	1200	468	415	40	190	8.90	24.93	37.55	0.6	166	124	<1	3	<1	1	<1	48	10	87

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

* Analysis requested but never received

APPENDIX C-15

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20028	CN-1	<10	<2	<1	0.096	1000	1187	395	20	140	3.83	36.70	26.36	838	14.05	1.89	1.89	0.29	<0.1	0.26	0.20	88	20	25	44
20029	CN-1	17	5	6	0.488	1100	676	748	40	24	7.49	40.09	20.31	1499	25.09	0.29	2.22	0.08	<0.1	0.40	0.15	105	28	14	16
20030	CN-1	24	80	46	0.836	1700	889	473	320	500	22.14	38.07	27.74	738	8.73	0.22	0.52	0.05	<0.1	0.34	0.19	140	26	< 10	<10
20031	CN-1	<10	19	14	0.844	1900	845	414	460	89	16.97	32.03	26.84	631	6.77	0.92	2.65	0.11	<0.1	0.30	0.29	125	32	16	29
20032	CN-1	<10	10	9	1.268	2100	674	1310	460	450	13.24	39.57	17.56	1738	23.84	0.14	2.05	0.08	<0.1	0.36	0.20	140	80	< 10	<10
20033	CN-1	<10	7	4	0.244	1000	586	1190	260	400	17.64	39.74	21.17	1477	17.99	0.18	0.69	0.08	0.18	0.36	0.13	150	72	< 10	<10
20034	CN-1	49	97	25	0.776	1800	760	1300	500	160	18.88	39.37	23.26	1376	16.12	< 0.02	0.58	0.04	0.24	0.37	0.18	150	70	< 10	<10
20035	CN-1	20	57	12	0.684	1350	668	1100	100	138	18.90	39.24	23.70	1272	15.23	0.05	0.62	0.04	0.25	0.36	0.15	200	72	< 10	<10
20036	CN-1	222	375	148	1.830	4500	963	430	40	210	18.23	36.25	33.47	576	5.89	1.76	3.99	0.21	0.37	0.35	0.57	165	78	34	35
20037	CN-1	32	50	23	1.000	900	376	135	20	220	8.98	17.19	44.17	119	0.91	17.36	7.14	2.04	0.36	0.16	0.14	95	80	262	69
20038	CN-1	<10	41	18	0.168	850	299	371	40	420	14.86	24.87	40.27	144	0.59	12.16	5.07	1.46	0.24	0.22	0.13	120	72	186	67
20040	CN-1	33	64	18	12.300	800	494	462	40	140	8.53	27.66	38.36	198	1.06	13.74	5.83	1.46	0.37	0.18	0.16	110	62	210	72
20042	CN-1	29	101	21	36.000	1600	621	452	20	100	10.41	40.37	32.73	246	0.56	7.09	3.35	0.57	0.16	0.22	0.23	200	50	111	32
20044	CN-1	<10	56	12	7.300	700	446	375	20	80	8.12	25.31	39.75	200	0.63	15.26	6.58	1.61	0.59	0.16	0.13	120	80	232	51
20046	CN-1	*	*	*	31.800	1800	464	300	60	100	16.15	33.92	32.11	206	0.40	8.66	4.02	0.73	0.37	0.20	0.17	170	44	134	30
20050	CN-1	<10	31	6	45.300	1700	1064	582	60	100	17.27	44.87	25.95	248	0.45	3.02	1.32	0.26	0.61	0.21	0.21	215	48	45	17
20051	CN-1	<10	22	10	25.100	1300	686	1140	60	110	16.44	33.00	32.33	341	0.63	8.64	3.71	0.79	0.23	0.18	0.15	145	48	133	30
20052	CN-1	<10	23	8	52.960	1600	991	830	40	180	13.29	34.74	33.49	470	0.83	9.45	2.34	0.40	0.64	0.15	0.19	130	22	89	30
20056	CN-1	34	51	26	5.800	950	476	747	<20	100	13.27	21.64	42.86	488	0.68	16.77	1.86	0.33	0.63	0.13	0.12	150	64	90	40
20057	CN-1	27	37	23	8.100	1000	770	260	<20	500	8.43	22.65	43.75	155	0.35	14.81	5.46	1.10	0.38	0.14	0.15	80	60	218	82
20059	CN-1	54	75	59	1.770	1300	371	306	40	190	6.73	15.09	46.02	175	0.49	19.93	7.16	1.84	0.30	0.12	0.17	60	64	285	116
20060	CN-1	16	28	13	1.990	800	404	332	<20	100	8.02	18.97	45.04	196	0.53	19.62	5.54	1.31	<0.1	0.13	0.12	85	72	216	73
20061	CN-1	<10	23	12	24.200	700	476	191	20	145	14.13	23.80	41.48	81	0.22	13.26	5.26	1.64	0.16	0.19	0.11	105	54	202	61
20062	CN-1	28	47	25	42.100	2100	1690	164	40	100	7.86	35.34	33.16	99	0.25	11.64	4.77	1.32	<0.1	0.14	0.27	145	40	175	56
20063	CN-1	<10	67	42	39.300	3000	1350	498	40	110	15.72	37.32	31.97	191	0.36	7.34	2.91	0.61	<0.1	0.19	0.35	150	44	120	74
20064	CN-1	33	70	69	0.362	1500	1430	1560	40	110	18.30	40.89	30.28	527	0.58	4.48	1.54	0.32	<0.1	0.22	0.19	135	40	60	39
20066	CN-1	22	40	41	2.960	800	239	1010	100	100	5.46	18.85	44.32	1023	9.35	12.33	7.23	0.66	<0.1	0.25	0.12	110	58	259	33
20067	CN-1	<10	7	15	0.620	390	861	1200	20	165	14.90	31.28	36.05	625	2.72	10.60	2.62	0.47	<0.1	0.22	0.12	70	66	156	39
20069	CN-1	<10	11	10	0.790	800	511	1160	80	175	16.50	35.90	26.61	1424	16.68	3.72	0.90	0.18	<0.1	0.31	0.11	120	64	42	27
20070	CN-1	<10	22	16	1.800	500	464	790	60	110	9.41	28.31	34.82	971	10.97	10.63	3.04	0.49	<0.1	0.26	0.11	100	60	173	35
20071	CN-1	16	37	24	1.660	1600	595	618	120	70	17.52	33.25	31.29	733	8.83	7.32	0.33	0.11	<0.1	0.27	0.23	140	60	11	19
20072	CN-1	49	81	57	1.340	2100	1283	477	240	160	21.51	39.42	31.88	487	5.64	0.63	0.21	0.04	<0.1	0.33	0.31	160	56	< 10	44
20073	CN-1	58	111	120	1.330	2300	850	306	100	160	20.63	31.38	39.41	207	1.14	4.61	1.96	0.21	<0.1	0.27	0.30	125	62	41	53
20075	CN-1	<10	46	30	0.870	1400	946	317	100	50	16.80	23.83	39.22	135	0.98	10.96	6.56	0.91	<0.1	0.23	0.24	135	60	163	32
20076	CN-1	54	75	76	0.560	1800	929	333	60	200	18.46	25.31	38.94	200	0.85	8.00	4.54	0.48	<0.1	0.26	0.25	120	58	89	24
20077	CN-1	23	48	29	0.440	2700	1562	753	20	50	12.56	28.24	34.93	808	7.41	9.05	5.50	0.50	<0.1	0.23	0.45	120	66	159	59
20079	CN-1	42	80	48	0.510	2900	1087	316	<20	130	12.86	22.51	42.51	336	2.03	11.03	6.85	0.86	<0.1	0.23	0.46	105	58	206	71
20080	CN-7	<10	3	6	0.480	400	325	477	20	370	8.84	24.07	39.00	956	9.53	5.88	9.06	0.69	0.83	0.25	0.29	100	100	83	168
20081	CN-7	<10	6	4	0.560	290	156	467	20	130	12.86	25.01	37.01	988	10.60	3.72	9.60	0.64	0.18	0.27	0.13	120	70	49	66
20083	CN-7	<10	13	10	1.350	1200	468	415	40	190	8.90	24.93	37.55	673	7.17	9.54	8.78	1.02	0.10	0.24	0.21	110	68	150	56

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* Analysis requested but never received

APPENDIX C-16

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20084	CN-7	<10	17	10	0.470	900	477	192	20	115	6.99	17.56	42.37	0.2	117	105	<1	5	<1	1	<1	20	8	54
20085	CN-7	<10	14	7	0.280	1300	718	131	20	125	9.63	21.07	42.51	0.2	123	122	<1	2	<1	1	1	10	<1	21
20086	CN-7	<10	15	10	0.520	1800	894	107	40	290	8.34	19.06	41.65	0.4	139	120	<1	3	<1	1	<1	13	<1	30
20088	CN-7	<10	5	5	0.300	700	410	141	20	135	8.08	19.21	42.80	<0.2	107	114	<1	3	<1	1	<1	23	15	78
20090	CN-7	<10	8	5	0.210	600	416	253	60	680	7.65	17.57	42.90	<0.2	103	122	1	3	<1	1	<1	20	4	36
20091	CN-7	<10	<2	3	0.140	240	243	264	20	130	5.31	10.65	46.54	<0.2	62	68	<1	2	<1	1	<1	11	<1	30
20092	CN-7	<10	<2	4	0.490	210	279	364	20	700	9.19	25.55	38.10	<0.2	151	141	<1	3	<1	1	<1	36	10	69
20093	CN-7	<10	6	5	0.430	400	277	360	20	170	14.07	28.28	37.54	<0.2	158	169	<1	3	<1	1	1	70	19	84
20094	CN-7	<10	4	3	0.220	380	295	373	20	150	8.08	22.63	39.15	<0.2	134	140	<1	3	<1	1	<1	21	10	61
20095	CN-7	<10	6	4	1.090	600	505	360	20	110	8.97	27.46	36.33	<0.2	190	150	<1	5	<1	1	<1	36	8	65
20096	CN-7	<10	<2	<1	0.120	115	265	436	20	150	8.32	21.96	40.50	<0.2	127	136	<1	2	<1	1	1	27	15	79
20098	CN-7	<10	6	3	0.610	240	234	552	20	115	13.90	33.36	32.77	<0.2	195	179	<1	2	<1	<1	<1	48	9	81
20099	CN-7	<10	6	5	1.270	400	425	616	40	210	9.63	33.74	32.01	<0.2	223	179	<1	5	<1	1	<1	42	13	101
20100	CN-7	<10	5	<1	0.670	235	260	559	20	190	8.90	27.10	36.59	<0.2	158	154	1	3	<1	<1	<1	48	16	86
20101	CN-7	<10	4	<1	0.260	125	255	444	60	120	7.56	18.06	41.09	<0.2	106	114	<1	1	<1	1	<1	23	7	58
20102	CN-7	74	202	58	0.120	1500	924	95	440	50	22.41	26.61	34.58	<0.2	184	167	<1	1	<1	1	1	9	<1	16
20103	CN-7	90	205	59	1.120	2400	1104	289	460	85	21.09	37.63	30.17	1.2	251	283	<1	4	<1	1	1	23	4	52
20105	CN-7	43	150	57	1.690	2300	768	1190	80	175	18.43	40.76	21.97	0.8	300	251	<1	8	<1	1	<1	37	<1	99
20106	CN-7	<10	71	29	2.200	1500	551	1336	420	155	18.49	41.54	20.81	0.4	332	229	<1	5	<1	1	1	37	<1	96
20107	CN-7	<10	42	13	22.000	2100	987	1010	60	340	18.21	45.66	20.93	0.4	374	183	<1	7	<1	1	2	30	<1	64
20108	CN-7	<10	78	30	43.800	3100	1317	933	60	130	16.94	49.00	19.00	0.4	468	200	<1	17	<1	1	1	22	<1	61
20109	CN-7	<10	88	22	15.000	1400	628	1046	60	155	19.13	44.01	22.03	0.2	348	213	<1	5	<1	1	<1	27	<1	64
20110	CN-7	127	57	10	8.400	2500	521	1232	40	125	16.77	44.74	20.36	0.6	344	255	<1	5	<1	1	1	35	<1	85
20111	CN-7	<10	49	28	5.700	1550	887	1203	100	140	17.76	43.18	20.97	0.2	339	207	<1	7	<1	<1	1	35	<1	83
20112	CN-7	17	63	44	1.890	1500	876	1007	120	53	17.29	39.83	24.09	0.4	291	209	<1	8	<1	1	1	32	<1	74
20113	CN-7	<10	52	26	8.800	1700	1056	2261	120	53	14.68	36.20	27.99	<0.2	284	163	<1	6	<1	1	<1	19	<1	44
20114	CN-7	<10	39	21	1.820	1250	6406	1690	60	42	9.65	23.32	36.76	<0.2	165	132	<1	8	<1	1	1	10	<1	32
20115	CN-7	<10	16	10	0.870	600	655	3764	80	23	8.77	19.67	39.57	<0.2	148	123	<1	6	<1	1	1	14	<1	24
20116	CN-7	<10	20	10	0.910	700	598	1336	80	37	8.62	19.62	38.45	<0.2	132	107	<1	4	<1	1	1	10	<1	26
20117	CN-7	<10	13	11	0.930	1000	639	3245	60	100	8.18	19.32	38.23	0.6	139	134	<1	4	<1	1	<1	9	<1	24
20118	CN-7	<10	23	15	0.700	700	562	5821	100	31	11.02	21.11	37.36	<0.2	133	154	<1	3	<1	1	<1	18	6	28
20119	CN-7	<10	12	6	0.880	750	844	10418	100	28	12.56	26.95	33.68	<0.2	180	167	<1	3	<1	1	<1	16	<1	23
20120	CN-7	19	40	43	0.340	1200	981	787	20	155	11.73	17.10	48.22	0.4	119	172	<1	48	7	<1	<1	24	10	19
20121	CN-7	<10	36	21	6.500	1400	837	594	<20	40	9.39	19.70	43.71	<0.2	162	142	<1	11	<1	1	<1	35	<1	18
20122	CN-7	<10	69	41	34.700	330	1756	1052	20	44	14.58	30.57	41.02	<0.2	281	235	<1	28	<1	2	<1	62	6	16
20123	CN-7	<10	27	13	0.800	500	499	639	40	70	13.24	18.01	47.40	<0.2	107	139	<1	19	<1	1	<1	41	6	22
20124	CN-7	<10	11	7	30.900	2600	357	163	40	37	9.50	13.01	46.62	<0.2	84	95	<1	5	<1	1	<1	9	4	16
20125	CN-7	<10	43	22	6.800	1300	1898	329	40	47	7.23	27.69	35.64	<0.2	369	112	<1	14	<1	1	<1	20	2	20
20126	CN-7	22	40	25	5.700	2300	585	388	<20	39	7.71	15.61	45.40	<0.2	130	91	<1	18	<1	2	1	30	7	20
20128	CN-7	24	25	19	5.600	800	368	536	<20	31	6.53	16.41	46.71	<0.2	93	156	<1	14	1	1	<1	41	5	24

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20084	CN-7	<10	17	10	0.470	900	477	192	20	115	6.99	17.56	42.37	297	3.90	16.10	8.31	2.37	0.78	0.18	0.24	68	60	277	96
20085	CN-7	<10	14	7	0.280	1300	718	131	20	125	9.63	21.07	42.51	96	0.71	14.76	6.73	1.91	0.62	0.21	0.24	115	60	251	82
20086	CN-7	<10	15	10	0.520	1800	894	107	40	290	8.34	19.06	41.65	207	2.12	15.74	7.27	2.12	0.60	0.18	0.34	95	60	270	95
20088	CN-7	<10	5	5	0.300	700	410	141	20	135	8.08	19.21	42.80	247	2.92	14.35	7.95	1.75	0.92	0.20	0.25	100	90	225	116
20090	CN-7	<10	8	5	0.210	600	416	253	60	680	7.65	17.57	42.90	297	3.03	16.36	8.66	2.20	0.54	0.18	0.19	48	52	282	89
20091	CN-7	<10	<2	3	0.140	240	243	264	20	130	5.31	10.65	46.54	160	1.26	21.17	9.42	2.87	0.78	0.11	0.15	36	52	354	128
20092	CN-7	<10	<2	4	0.490	210	279	364	20	700	9.19	25.55	38.10	637	5.61	10.51	7.98	1.13	0.46	0.26	0.15	80	52	181	61
20093	CN-7	<10	6	5	0.430	400	277	360	20	170	14.07	28.28	37.54	741	6.05	3.90	8.50	0.52	0.39	0.31	0.20	115	65	59	54
20094	CN-7	<10	4	3	0.220	380	295	373	20	150	8.08	22.63	39.15	402	4.88	13.52	7.62	1.52	0.98	0.22	0.22	58	46	233	86
20095	CN-7	<10	6	4	1.090	600	505	360	20	110	8.97	27.46	36.33	539	5.77	9.50	7.95	1.03	0.88	0.27	0.26	72	44	170	56
20096	CN-7	<10	<2	<1	0.120	115	265	436	20	150	8.32	21.96	40.50	405	4.68	12.32	8.07	1.65	0.96	0.23	0.24	56	44	229	91
20098	CN-7	<10	6	3	0.610	240	234	552	20	115	13.90	33.36	32.77	736	8.48	4.24	6.28	0.45	0.78	0.34	0.13	90	56	78	28
20099	CN-7	<10	6	5	1.270	400	425	616	40	210	9.63	33.74	32.01	823	9.99	5.11	5.85	0.63	0.90	0.32	0.33	105	68	87	64
20100	CN-7	<10	5	<1	0.670	235	260	559	20	190	8.90	27.10	36.59	721	7.44	8.67	8.07	0.93	0.75	0.27	0.25	105	70	146	73
20101	CN-7	<10	4	<1	0.260	125	255	444	60	120	7.56	18.06	41.09	387	3.88	16.00	9.33	1.66	1.08	0.18	0.20	67	72	272	81
20102	CN-7	74	202	58	0.120	1500	924	95	440	50	22.41	26.61	34.58	80	0.33	6.17	2.71	0.51	0.74	0.27	0.29	78	32	91	29
20103	CN-7	90	205	59	1.120	2400	1104	289	460	85	21.09	37.63	30.17	357	3.92	1.15	1.45	0.14	0.71	0.34	0.42	120	60	23	31
20105	CN-7	43	150	57	1.690	2300	768	1190	80	175	18.43	40.76	21.97	1368	15.29	0.10	0.55	0.05	0.50	0.33	0.37	130	58	< 10	12
20106	CN-7	<10	71	29	2.200	1500	551	1336	420	155	18.49	41.54	20.81	1652	16.66	< 0.02	0.37	0.03	0.46	0.32	0.26	138	78	< 10	<10
20107	CN-7	<10	42	13	22.000	2100	987	1010	60	340	18.21	45.66	20.93	1280	12.68	0.38	0.39	0.08	0.36	0.30	0.36	150	76	11	<10
20108	CN-7	<10	78	30	43.800	3100	1317	933	60	130	16.94	49.00	19.00	1145	11.19	0.19	0.35	0.07	0.99	0.27	0.69	200	66	12	13
20109	CN-7	<10	88	22	15.000	1400	628	1046	60	155	19.13	44.01	22.03	1207	12.45	0.15	0.32	0.05	0.63	0.31	0.27	160	70	< 10	13
20110	CN-7	127	57	10	8.400	2500	521	1232	40	125	16.77	44.74	20.36	1366	15.03	0.53	0.56	0.07	0.49	0.31	0.45	160	80	16	11
20111	CN-7	<10	49	28	5.700	1550	887	1203	100	140	17.76	43.18	20.97	1398	15.31	0.38	0.51	0.08	0.59	0.31	0.30	150	80	14	10
20112	CN-7	17	63	44	1.890	1500	876	1007	120	53	17.29	39.83	24.09	1125	12.46	2.22	1.41	0.20	0.71	0.30	0.32	135	80	41	39
20113	CN-7	<10	52	26	8.800	1700	1056	2261	120	53	14.68	36.20	27.99	988	6.72	7.52	4.02	0.46	0.73	0.25	0.29	110	56	108	21
20114	CN-7	<10	39	21	1.820	1250	6406	1690	60	42	9.65	23.32	36.76	603	2.80	16.03	8.35	0.96	1.13	0.18	0.25	60	40	226	34
20115	CN-7	<10	16	10	0.870	600	655	3764	80	23	8.77	19.67	39.57	865	2.52	17.18	8.62	1.16	0.83	0.16	0.15	61	56	268	39
20116	CN-7	<10	20	10	0.910	700	598	1336	80	37	8.62	19.62	38.45	474	2.50	18.42	9.59	1.00	0.82	0.16	0.17	46	42	273	38
20117	CN-7	<10	13	11	0.930	1000	639	3245	60	100	8.18	19.32	38.23	642	2.35	18.70	9.60	0.99	0.78	0.15	0.21	44	26	270	44
20118	CN-7	<10	23	15	0.700	700	562	5821	100	31	11.02	21.11	37.36	1464	4.65	15.23	8.47	0.91	<0.1	0.19	0.15	59	48	221	42
20119	CN-7	<10	12	6	0.880	750	844	10418	100	28	12.56	26.95	33.68	2079	5.36	13.13	6.26	0.69	<0.1	0.22	0.16	74	40	183	27
20120	CN-7	19	40	43	0.340	1200	981	787	20	155	11.73	17.10	48.22	360	1.44	13.90	5.82	0.98	0.58	0.15	0.20	43	44	195	133
20121	CN-7	<10	36	21	6.500	1400	837	594	<20	40	9.39	19.70	43.71	371	1.37	15.97	6.23	0.86	<0.1	0.14	0.22	52	34	230	49
20122	CN-7	<10	69	41	34.700	330	1756	1052	20	44	14.58	30.57	41.02	774	0.68	6.26	2.19	0.36	<0.1	0.17	0.39	37	40	106	22
20123	CN-7	<10	27	13	0.800	500	499	639	40	70	13.24	18.01	47.40	430	0.87	12.93	6.10	1.29	0.23	0.18	0.14	45	36	187	69
20124	CN-7	<10	11	7	30.900	2600	357	163	40	37	9.50	13.01	46.62	62	0.39	19.76	9.18	2.08	<0.1	0.13	0.12	115	38	295	88
20125	CN-7	<10	43	22	6.800	1300	1898	329	40	47	7.23	27.69	35.64	210	0.93	12.49	7.40	1.45	0.19	0.14	0.45	60	40	209	65
20126	CN-7	22	40	25	5.700	2300	585	388	<20	39	7.71	15.61	45.40	287	1.26	15.54	10.91	1.99	0.10	0.15	0.20	118	40	307	69
20128	CN-7	24	25	19	5.600	800	368	536	<20	31	6.53	16.41	46.71	358	0.99	20.05	6.57	0.90	<0.1	0.13	0.14	45	34	329	47

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20129	CN-7	<10	27	15	0.690	600	394	545	20	44	11.79	16.68	47.98	<0.2	79	157	<1	11	2	1	<1	43	7	17
20130	CN-7	<10	28	11	0.610	375	399	400	<20	60	8.74	13.52	48.46	<0.2	67	117	<1	7	1	1	<1	33	5	21
20131	CN-7	26	97	61	1.750	3000	884	685	<20	37	11.79	18.49	48.30	1.2	124	193	<1	11	5	1	<1	52	10	11
20137	S-1	<10	47	22	0.37	420	5	14	180	200	4.85	21.15	45.10	0.5	103	132	<1	4	<1	2	1	44	28	118
20138	S-1	<10	8	12	0.36	1625	10	11	290	<20	5.95	35.05	33.37	0.5	182	220	<1	3	<1	<1	1	47	17	129
20139	S-1	<10	4	2	0.32	416	<1	11	125	540	5.93	27.45	39.82	<0.5	137	160	<1	3	<1	2	<1	56	22	107
20141	FL-2	<10	11	3	0.08	173	480	500	100	140	11.79	9.81	46.28	<0.5	69	61	<1	2	<1	<1	1	14	3	7
20142	FL-1	<10	18	2	0.16	67	85	200	110	100	5.27	23.32	37.18	<0.5	92	84	<1	1	<1	1	<1	39	4	7
20143	FL-1	<10	11	<1	0.01	36	140	195	110	360	6.18	27.43	34.49	<0.5	120	102	1	1	<1	3	<1	43	8	16
20145	FL-1	<10	6	2	0.01	45	100	185	185	<20	5.50	26.08	35.89	<0.5	110	100	1	2	<1	2	1	40	2	13
20146	FL-1	<10	11	<1	0.01	38	120	230	200	<20	4.31	14.35	41.52	<0.5	64	58	<1	2	<1	1	1	22	5	9
20147	NE-2	<10	15	5	0.02	392	200	1200	160	100	7.09	17.46	41.84	<0.5	87	63	<1	1	<1	<1	<1	32	21	28
20148	NE-2	<10	9	5	0.11	1200	200	1400	110	540	7.37	19.26	40.42	<0.5	97	88	<1	2	<1	3	1	30	16	19
20149	NE-2	<10	5	2	0.02	99	265	5250	160	<20	7.65	18.57	42.74	<0.5	103	133	<1	1	<1	<1	1	21	16	33
20150	NE-2	<10	<2	<1	0.03	265	55	150	105	<20	3.77	10.97	47.38	<0.5	58	56	<1	3	<1	<1	<1	25	3	14
20151	NE-2	<10	5	2	0.03	249	70	80	145	<20	4.67	12.56	45.85	<0.5	69	80	1	3	<1	2	1	35	11	48
20152	IS-1	<10	7	<1	0.01	40	20	57	175	<20	2.13	8.72	50.07	<0.5	35	85	1	3	<1	<1	1	19	21	51
20153	IS-1	<10	24	2	0.04	316	90	230	175	<20	7.11	16.33	44.92	0.5	76	130	<1	1	<1	2	1	43	21	27
20154	IS-1	<10	38	8	0.02	383	100	190	160	<20	6.37	21.20	42.18	<0.5	92	121	<1	<1	<1	<1	1	39	30	72
20155	NR-1	<10	5	<1	0.06	700	30	16	200	<20	6.87	24.16	40.82	0.5	132	123	<1	<1	<1	5	<1	74	23	107
20156	NR-1	<10	14	5	0.06	880	80	92	185	<20	5.84	28.41	37.45	0.5	145	190	<1	1	<1	<1	<1	56	19	93
20157	NR-1	<10	4	<1	0.05	343	40	26	220	<20	5.76	20.16	43.99	0.5	102	138	<1	1	<1	<1	2	63	26	98
20158	NR-1	31	5	4	0.06	780	50	36	185	<20	6.46	24.76	40.27	0.5	125	165	<1	2	<1	4	1	68	26	104
20159	NR-1	<10	<2	4	0.06	940	65	14	220	<20	6.69	23.34	41.95	<0.5	116	154	<1	1	<1	4	<1	62	25	87
20160	NR-1	<10	<2	3	0.04	183	40	62	355	260	3.99	14.12	51.24	<0.5	64	125	<1	<1	<1	3	1	30	37	181
20161	NR-1	<10	10	6	0.05	920	90	38	110	<20	6.56	26.39	38.76	<0.5	131	180	<1	1	<1	5	<1	59	18	68
20162	NR-1	<10	11	11	0.06	990	100	52	220	<20	6.69	30.41	35.98	0.5	151	175	<1	2	<1	3	1	61	15	72
20163	NR-1	60	50	40	0.06	600	70	49	135	<20	5.75	21.06	42.05	<0.5	104	140	<1	1	<1	1	1	56	19	68
20164	NR-1	71	133	17	0.02	297	80	51	185	100	6.00	22.43	42.12	<0.5	110	143	<1	2	<1	4	2	50	16	70
20165	NR-1	57	85	10	0.04	240	70	50	135	<20	5.24	20.29	43.04	<0.5	98	138	<1	1	<1	4	1	44	18	89
20166	G-5	<10	6	4	0.01	133	330	700	200	<20	9.03	17.84	42.54	<0.5	107	115	<1	<1	<1	3	2	22	18	85
20169	G-5	<10	19	4	0.06	138	110	105	160	180	4.33	12.63	50.52	<0.5	60	132	<1	<1	<1	5	<1	25	53	417
20170	G-5	22	12	<1	0.03	205	310	345	215	<20	8.21	15.30	45.85	<0.5	89	109	<1	<1	<1	1	<1	21	19	98
20171	G-5	<10	13	3	0.04	173	310	490	330	<20	8.49	18.53	43.73	<0.5	110	128	<1	<1	<1	2	<1	23	18	92
20172	G-5	15	17	2	0.05	182	275	150	250	<20	7.83	13.53	48.03	<0.5	81	100	<1	1	<1	2	2	21	25	124
20173	G-5	<10	20	3	0.03	155	260	280	350	120	7.49	10.65	53.87	<0.5	70	81	<1	3	<1	2	2	18	33	238
20174	G-4	<10	12	3	0.05	226	220	185	285	120	7.68	13.78	47.63	<0.5	81	103	<1	<1	<1	3	2	20	22	111
20175	G-4	17	27	8	0.09	433	530	180	240	<20	9.88	15.34	46.06	<0.5	97	115	<1	2	<1	4	<1	18	16	81
20177	G-4	<10	57	3	0.24	790	520	195	235	<20	8.29	13.68	46.60	<0.5	89	94	<1	2	<1	2	<1	22	17	78
20178	G-4	21	57	6	0.11	590	860	125	300	<20	14.32	14.84	45.01	<0.5	113	104	<1	2	<1	3	1	16	16	92

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20129	CN-7	<10	27	15	0.690	600	394	545	20	44	11.79	16.68	47.98	394	0.69	16.26	5.65	0.86	0.18	0.15	0.12	37	30	193	83
20130	CN-7	<10	28	11	0.610	375	399	400	<20	60	8.74	13.52	48.46	273	0.74	18.58	8.34	1.71	0.31	0.14	0.12	36	40	325	83
20131	CN-7	26	97	61	1.750	3000	884	685	<20	37	11.79	18.49	48.30	538	0.36	12.70	5.96	1.00	<0.1	0.15	0.35	44	30	208	65
20137	S-1	<10	47	22	0.37	420	5	14	180	200	4.85	21.15	45.10	263	5.66	11.66	8.79	2.61	0.48	0.26	0.22	7	32	199	172
20138	S-1	<10	8	12	0.36	1625	10	11	290	<20	5.95	35.05	33.37	427	10.09	6.88	6.59	1.49	0.29	0.37	0.29	3	55	119	98
20139	S-1	<10	4	2	0.32	416	<1	11	125	540	5.93	27.45	39.82	241	7.58	8.96	8.62	1.97	0.32	0.32	0.19	3	44	158	109
20141	FL-2	<10	11	3	0.08	173	480	500	100	140	11.79	9.81	46.28	85	0.53	18.44	10.14	2.31	0.11	0.12	0.08	1	19	229	73
20142	FL-1	<10	18	2	0.16	67	85	200	110	100	5.27	23.32	37.18	364	3.77	16.15	12.00	1.95	0.021	0.17	0.08	<1	41	245	28
20143	FL-1	<10	11	<1	0.01	36	140	195	110	360	6.18	27.43	34.49	500	5.22	13.48	11.55	1.33	0.05	0.21	0.05	1	48	181	29
20145	FL-1	<10	6	2	0.01	45	100	185	185	<20	5.50	26.08	35.89	433	4.83	14.18	11.49	1.75	<0.01	0.21	0.04	<1	45	224	21
20146	FL-1	<10	11	<1	0.01	38	120	230	200	<20	4.31	14.35	41.52	233	2.45	21.32	13.01	2.21	0.06	0.13	0.06	<1	26	300	43
20147	NE-2	<10	15	5	0.02	392	200	1200	160	100	7.09	17.46	41.84	312	3.08	15.20	11.13	2.61	0.21	0.18	0.28	2	34	221	104
20148	NE-2	<10	9	5	0.11	1200	200	1400	110	540	7.37	19.26	40.42	370	3.72	15.07	10.90	2.63	0.12	0.18	0.38	<1	38	230	99
20149	NE-2	<10	5	2	0.02	99	265	5250	160	<20	7.65	18.57	42.74	445	3.16	15.48	8.66	2.46	<0.01	0.22	0.28	<1	34	219	103
20150	NE-2	<10	<2	<1	0.03	265	55	150	105	<20	3.77	10.97	47.38	286	3.25	19.93	10.99	3.43	0.21	0.12	0.11	2	21	338	145
20151	NE-2	<10	5	2	0.03	249	70	80	145	<20	4.67	12.56	45.85	396	4.64	17.46	11.18	3.11	0.27	0.14	0.15	2	25	301	174
20152	IS-1	<10	7	<1	0.01	40	20	57	175	<20	2.13	8.72	50.07	127	1.41	22.15	11.46	3.61	0.32	0.12	0.28	9	20	408	216
20153	IS-1	<10	24	2	0.04	316	90	230	175	<20	7.11	16.33	44.92	376	1.91	14.36	12.65	2.20	0.05	0.24	0.19	1	34	187	65
20154	IS-1	<10	38	8	0.02	383	100	190	160	<20	6.37	21.20	42.18	558	3.72	12.79	11.02	2.31	0.01	0.27	0.39	<1	42	237	75
20155	NR-1	<10	5	<1	0.06	700	30	16	200	<20	6.87	24.16	40.82	498	8.79	7.52	10.88	1.68	0.19	0.31	0.18	5	39	125	90
20156	NR-1	<10	14	5	0.06	880	80	92	185	<20	5.84	28.41	37.45	1420	7.20	9.29	9.01	1.84	0.20	0.28	0.18	6	58	140	102
20157	NR-1	<10	4	<1	0.05	343	40	26	220	<20	5.76	20.16	43.99	830	4.88	11.22	11.21	2.40	0.29	0.24	0.19	7	43	182	147
20158	NR-1	31	5	4	0.06	780	50	36	185	<20	6.46	24.76	40.27	1057	6.23	8.41	11.16	1.80	0.36	0.28	0.27	7	54	132	105
20159	NR-1	<10	<2	4	0.06	940	65	14	220	<20	6.69	23.34	41.95	1037	5.09	9.52	10.83	1.99	0.20	0.27	0.25	6	46	146	98
20160	NR-1	<10	<2	3	0.04	183	40	62	355	260	3.99	14.12	51.24	373	2.78	13.51	7.36	3.46	1.26	0.18	0.62	33	31	296	400
20161	NR-1	<10	10	6	0.05	920	90	38	110	<20	6.56	26.39	38.76	1503	6.14	9.39	10.55	1.86	0.03	0.28	0.19	3	50	143	87
20162	NR-1	<10	11	11	0.06	990	100	52	220	<20	6.69	30.41	35.98	1873	7.41	7.88	9.20	1.50	0.02	0.29	0.18	4	54	113	69
20163	NR-1	60	50	40	0.06	600	70	49	135	<20	5.75	21.06	42.05	1132	4.66	11.37	11.15	2.17	0.15	0.23	0.16	2	40	164	99
20164	NR-1	71	133	17	0.02	297	80	51	185	100	6.00	22.43	42.12	1230	4.92	11.65	9.98	2.27	0.23	0.24	0.13	2	40	175	99
20165	NR-1	57	85	10	0.04	240	70	50	135	<20	5.24	20.29	43.04	1080	4.37	13.21	9.63	2.64	0.27	0.22	0.16	7	42	197	132
20166	G-5	<10	6	4	0.01	133	330	700	200	<20	9.03	17.84	42.54	408	2.29	15.40	8.88	2.07	0.21	0.18	0.16	6	34	239	138
20169	G-5	<10	19	4	0.06	138	110	105	160	180	4.33	12.63	50.52	293	2.16	15.89	8.87	3.05	1.44	0.16	0.38	23	31	266	433
20170	G-5	22	12	<1	0.03	205	310	345	215	<20	8.21	15.30	45.85	268	1.93	16.09	9.20	2.34	0.31	0.18	0.18	9	30	268	165
20171	G-5	<10	13	3	0.04	173	310	490	330	<20	8.49	18.53	43.73	430	2.42	14.96	8.90	2.16	0.34	0.19	0.17	9	41	248	150
20172	G-5	15	17	2	0.05	182	275	150	250	<20	7.83	13.53	48.03	197	1.64	15.92	8.78	2.59	0.63	0.17	0.22	13	28	261	221
20173	G-5	<10	20	3	0.03	155	260	280	350	120	7.49	10.65	53.87	143	1.04	14.29	6.92	2.79	1.07	0.13	0.14	19	25	224	311
20174	G-4	<10	12	3	0.05	226	220	185	285	120	7.68	13.78	47.63	206	1.57	16.18	9.05	2.61	0.45	0.17	0.20	10	25	278	203
20175	G-4	17	27	8	0.09	433	530	180	240	<20	9.88	15.34	46.06	158	1.25	15.41	8.60	2.32	0.34	0.19	0.21	6	30	253	147
20177	G-4	<10	57	3	0.24	790	520	195	235	<20	8.29	13.68	46.60	180	1.30	16.37	9.54	2.43	0.28	0.17	0.24	7	27	272	145
20178	G-4	21	57	6	0.11	590	860	125	300	<20	14.32	14.84	45.01	122	0.99	12.81	7.03	1.82	0.36	0.18	0.19	11	30	210	145

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20179	G-4	17	99	6	0.17	890	660	145	185	160	9.60	13.87	45.53	<0.5	95	95	<1	<1	<1	4	2	16	15	82
20180	G-4	<10	27	3	0.13	461	310	170	150	220	5.97	12.70	53.81	<0.5	68	131	<1	<1	<1	3	<1	23	36	252
20184	G-3	<10	<2	<1	0.03	135	190	165	230	180	7.13	12.59	48.20	<0.5	71	92	<1	2	<1	<1	<1	22	27	139
20185	G-3	<10	<2	6	0.05	150	80	80	420	180	4.94	14.88	49.35	<0.5	66	128	<1	1	<1	2	<1	26	41	229
20186	G-3	<10	<2	2	0.04	130	240	140	250	100	7.65	12.53	46.56	<0.5	74	91	<1	2	<1	1	<1	18	18	104
20187	G-3	18	5	2	0.04	130	185	138	190	<20	6.87	11.40	47.24	<0.5	68	89	<1	1	<1	4	<1	20	18	101
20188	G-3	<10	28	2	0.08	173	380	180	260	200	9.18	12.92	45.65	<0.5	86	87	<1	2	<1	3	1	16	16	85
20189	G-3	<10	14	4	0.14	325	390	170	250	<20	7.71	11.44	53.09	0.5	75	106	<1	1	<1	3	<1	15	23	242
20190	G-3	<10	37	4	0.06	180	300	205	600	<20	8.34	12.61	47.16	<0.5	75	81	<1	1	<1	<1	<1	23	18	89
20191	G-3	<10	28	4	0.06	190	540	140	190	<20	12.55	14.47	45.69	<0.5	94	95	<1	1	<1	3	1	16	16	72
20192	G-3	<10	115	12	0.15	740	1170	142	350	<20	19.90	17.41	41.63	<0.5	135	109	<1	<1	<1	<1	1	14	9	49
20193	G-3	<10	7	2	0.06	57	30	121	195	960	2.87	12.94	57.22	<0.5	45	180	<1	2	<1	<1	1	23	65	443
20201	G-6	<10	6	<1	0.05	123	290	122	205	<20	8.17	11.84	46.43	<0.5	70	88	<1	2	<1	3	<1	14	16	78
20202	G-6	<10	<2	<1	0.04	190	160	140	250	100	6.63	13.50	47.00	<0.5	69	102	<1	2	<1	2	<1	23	29	161
20203	G-6	24	36	7	0.33	780	490	180	240	100	8.44	13.80	45.90	<0.5	85	97	<1	1	<1	4	1	19	19	92
20204	G-6	<10	81	9	0.11	700	890	130	360	<20	14.80	15.59	43.79	<0.5	112	105	<1	3	<1	4	1	14	14	75
20205	G-6	<10	47	5	0.13	490	490	155	250	<20	9.22	12.71	45.34	<0.5	84	88	<1	2	<1	4	2	15	13	73
20206	G-6	<10	8	<1	0.06	248	25	23	380	380	3.78	18.17	48.50	<0.5	68	134	<1	3	<1	1	1	32	58	324
20207	G-6	<10	<2	<1	0.15	236	40	26	240	340	3.78	18.19	48.04	<0.5	70	124	<1	2	<1	3	<1	31	55	322
20208	G-6	53	162	17	0.30	1400	1040	124	440	<20	13.62	13.91	43.82	0.5	108	92	<1	<1	<1	4	<1	13	12	73
20209	G-6	17	30	7	0.11	356	220	134	335	280	5.08	10.01	56.59	<0.5	50	129	<1	<1	<1	3	<1	14	39	347
20211	G-6	<10	9	2	0.09	32	<1	56	540	440	0.43	4.80	71.27	<0.5	9	109	<1	1	<1	2	<1	7	66	694
20212	G-6	<10	<2	<1	0.13	17	<1	74	185	7400	0.38	4.54	70.57	<0.5	9	142	<1	1	<1	4	<1	6	68	695
20216	SR-1	34	<2	<1	0.02	147	20	41	540	160	3.50	9.49	57.11	<0.5	41	70	<1	2	<1	1	<1	22	43	283
20218	SR-1	<10	<2	<1	0.02	303	25	45	170	280	4.65	11.48	54.76	<0.5	46	73	<1	2	<1	2	<1	25	44	398
20221	SR-1	<10	8	2	0.08	860	60	20	660	<20	6.74	33.18	32.46	0.5	176	184	<1	1	<1	2	1	57	10	117
20222	SR-1	<10	6	<1	0.07	1070	70	78	215	<20	6.54	17.22	47.44	0.5	86	97	<1	1	<1	3	<1	28	15	82
20223	SR-1	<10	8	2	0.06	920	110	220	90	140	5.62	27.35	38.03	0.5	135	200	<1	1	<1	3	<1	27	8	64
20224	SR-1	20	<2	7	0.05	570	70	122	120	340	5.69	14.50	47.48	0.5	70	114	<1	1	<1	1	<1	32	18	65
20225	SR-1	97	19	21	0.04	460	60	56	115	260	5.43	16.81	47.70	0.5	75	114	<1	<1	<1	4	<1	36	27	177
20226	SR-1	16	12	<1	0.03	362	70	124	150	360	5.59	12.58	49.95	0.5	62	89	<1	3	<1	3	<1	28	23	101
20227	SR-1	<10	11	3	0.02	320	35	52	240	520	4.21	12.59	50.40	0.5	61	74	<1	2	<1	2	<1	27	35	190
20228	SR-1	19	25	<1	0.05	387	35	28	130	180	3.98	14.34	50.18	0.5	63	119	<1	<1	<1	1	<1	27	29	283
20229	SR-1	<10	40	4	0.04	310	70	47	195	160	6.95	24.85	40.10	0.5	127	145	<1	1	<1	3	<1	53	16	41
20230	SR-1	18	23	5	0.06	760	200	250	150	160	6.86	19.78	41.77	0.5	105	90	<1	2	<1	3	<1	32	12	47
20231	SR-1	<10	11	2	0.01	110	55	58	175	340	6.16	24.64	37.13	0.5	107	67	<1	1	<1	<1	<1	49	36	138
20232	BL-1	<10	<2	<1	0.02	44	70	42	250	220	5.32	16.76	47.30	0.5	79	73	<1	1	<1	<1	<1	36	43	162
20235	BL-1	<10	8	<1	0.03	124	75	36	165	380	5.93	28.22	35.29	0.5	119	98	<1	<1	<1	<1	<1	53	35	116
20237	BL-1	<10	25	<1	0.11	2280	300	265	205	120	7.95	44.04	25.08	1.0	203	140	<1	2	<1	<1	<1	57	25	115
20238	BL-1	<10	9	<1	0.05	245	90	58	235	240	5.93	20.60	41.92	0.5	97	79	<1	1	<1	<1	<1	41	31	102

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20179	G-4	17	99	6	0.17	890	660	145	185	160	9.60	13.87	45.53	135	1.11	16.21	8.65	2.24	0.31	0.17	0.24	8	27	276	138
20180	G-4	<10	27	3	0.13	461	310	170	150	220	5.97	12.70	53.81	191	1.60	14.47	7.37	2.58	1.21	0.17	0.22	30	29	229	370
20184	G-3	<10	<2	<1	0.03	135	190	165	230	180	7.13	12.59	48.20	219	1.65	16.28	8.93	2.58	0.82	0.16	0.23	15	51	277	251
20185	G-3	<10	<2	6	0.05	150	80	80	420	180	4.94	14.88	49.35	199	2.52	13.99	8.17	3.29	0.80	0.20	0.40	13	56	278	332
20186	G-3	<10	<2	2	0.04	130	240	140	250	100	7.65	12.53	46.56	160	1.36	17.74	9.74	2.53	0.34	0.16	0.20	8	43	302	197
20187	G-3	18	5	2	0.04	130	185	138	190	<20	6.87	11.40	47.24	169	1.32	17.80	9.80	2.70	0.68	0.15	0.19	9	42	334	195
20188	G-3	<10	28	2	0.08	173	380	180	260	200	9.18	12.92	45.65	138	1.12	16.90	9.57	2.25	0.29	0.16	0.18	6	48	279	401
20189	G-3	<10	14	4	0.14	325	390	170	250	<20	7.71	11.44	53.09	108	0.77	15.29	7.43	2.55	1.15	0.14	0.13	21	44	241	339
20190	G-3	<10	37	4	0.06	180	300	205	600	<20	8.34	12.61	47.16	177	1.27	15.99	9.81	2.48	0.38	0.16	0.17	8	47	276	168
20191	G-3	<10	28	4	0.06	190	540	140	190	<20	12.55	14.47	45.69	132	1.11	15.22	8.29	2.14	0.12	0.18	0.17	8	55	254	136
20192	G-3	<10	115	12	0.15	740	1170	142	350	<20	19.90	17.41	41.63	105	0.72	10.42	5.75	1.22	<0.01	0.21	0.18	3	55	164	93
20193	G-3	<10	7	2	0.06	57	30	121	195	960	2.87	12.94	57.22	168	2.26	12.60	6.31	1.98	1.60	0.18	0.33	85	52	224	697
20201	G-6	<10	6	<1	0.05	123	290	122	205	<20	8.17	11.84	46.43	116	1.01	18.79	9.95	2.39	0.03	0.15	0.15	7	45	301	142
20202	G-6	<10	<2	<1	0.04	190	160	140	250	100	6.63	13.50	47.00	217	1.99	16.19	9.48	2.81	0.26	0.18	0.28	10	50	278	211
20203	G-6	24	36	7	0.33	780	490	180	240	100	8.44	13.80	45.90	161	1.30	16.70	9.36	2.52	0.07	0.17	0.23	9	56	280	164
20204	G-6	<10	81	9	0.11	700	890	130	360	<20	14.80	15.59	43.79	115	0.96	13.73	7.24	1.89	<0.01	0.20	0.20	6	59	230	123
20205	G-6	<10	47	5	0.13	490	490	155	250	<20	9.22	12.71	45.34	117	0.96	17.32	9.10	2.26	0.08	0.16	0.19	8	50	292	127
20206	G-6	<10	8	<1	0.06	248	25	23	380	380	3.78	18.17	48.50	212	3.48	11.94	7.54	3.24	1.06	0.26	0.54	22	68	257	495
20207	G-6	<10	<2	<1	0.15	236	40	26	240	340	3.78	18.19	48.04	208	3.42	12.03	7.63	3.22	1.05	0.26	0.54	22	70	256	478
20208	G-6	53	162	17	0.30	1400	1040	124	440	<20	13.62	13.91	43.82	103	0.91	15.36	8.15	1.93	<0.01	0.17	0.24	7	55	257	120
20209	G-6	17	30	7	0.11	356	220	134	335	280	5.08	10.01	56.59	134	1.06	14.77	5.78	2.41	1.75	0.12	0.15	67	50	205	446
20211	G-6	<10	9	2	0.09	32	<1	56	540	440	0.43	4.80	71.27	11	0.47	12.86	1.46	3.12	4.71	0.06	0.07	143	33	137	977
20212	G-6	<10	<2	<1	0.13	17	<1	74	185	7400	0.38	4.54	70.57	12	0.43	11.96	2.38	2.62	4.42	0.07	0.08	173	34	132	890
20216	SR-1	34	<2	<1	0.02	147	20	41	540	160	3.50	9.49	57.11	152	2.07	13.75	5.15	5.13	0.82	0.11	0.41	12	38	221	435
20218	SR-1	<10	<2	<1	0.02	303	25	45	170	280	4.65	11.48	54.76	167	2.21	13.04	5.62	4.66	0.92	0.14	0.50	15	44	214	505
20221	SR-1	<10	8	2	0.08	860	60	20	660	<20	6.74	33.18	32.46	1123	11.62	6.03	7.56	1.12	<0.01	0.34	0.14	2	90	110	68
20222	SR-1	<10	6	<1	0.07	1070	70	78	215	<20	6.54	17.22	47.44	444	3.07	12.78	6.99	2.66	0.68	0.23	0.21	23	60	285	237
20223	SR-1	<10	8	2	0.06	920	110	220	90	140	5.62	27.35	38.03	1128	5.95	11.18	6.54	2.24	0.06	0.28	0.16	3	90	174	106
20224	SR-1	20	<2	7	0.05	570	70	122	120	340	5.69	14.50	47.48	463	2.57	14.37	8.07	3.26	0.68	0.18	0.38	9	54	343	386
20225	SR-1	97	19	21	0.04	460	60	56	115	260	5.43	16.81	47.70	675	3.47	12.82	7.68	3.84	0.26	0.18	0.18	5	65	257	137
20226	SR-1	16	12	<1	0.03	362	70	124	150	360	5.59	12.58	49.95	313	2.46	14.85	8.24	3.59	0.49	0.15	0.40	8	50	311	235
20227	SR-1	<10	11	3	0.02	320	35	52	240	520	4.21	12.59	50.40	364	2.93	14.34	8.65	3.61	0.50	0.18	0.76	9	55	323	289
20228	SR-1	19	25	<1	0.05	387	35	28	130	180	3.98	14.34	50.18	547	2.99	13.95	6.97	5.38	<0.01	0.17	0.14	3	60	218	121
20229	SR-1	<10	40	4	0.04	310	70	47	195	160	6.95	24.85	40.10	1236	5.38	9.45	9.79	1.79	0.05	0.29	0.11	<1	70	145	73
20230	SR-1	18	23	5	0.06	760	200	250	150	160	6.86	19.78	41.77	491	4.70	14.86	9.98	2.16	<0.01	0.20	0.22	1	50	253	106
20231	SR-1	<10	11	2	0.01	110	55	58	175	340	6.16	24.64	37.13	481	5.61	11.51	11.92	1.95	<0.01	0.29	0.76	1	65	288	75
20232	BL-1	<10	<2	<1	0.02	44	70	42	250	220	5.32	16.76	47.30	286	4.04	11.06	11.16	3.20	0.09	0.21	0.51	6	55	249	90
20235	BL-1	<10	8	<1	0.03	124	75	36	165	380	5.93	28.22	35.29	554	6.34	9.65	11.51	1.79	<0.01	0.28	0.80	6	80	217	96
20237	BL-1	<10	25	<1	0.11	2280	300	265	205	120	7.95	44.04	25.08	1063	9.36	3.50	8.48	0.41	<0.01	0.36	0.40	5	150	43	23
20238	BL-1	<10	9	<1	0.05	245	90	58	235	240	5.93	20.60	41.92	448	5.30	11.45	9.83	2.44	0.27	0.24	0.48	11	60	268	120

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20239	BL-1	<10	8	<1	0.01	100	60	59	840	140	3.59	11.67	56.07	0.5	57	60	<1	1	<1	2	<1	24	24	119
20240	BL-1	<10	13	7	0.04	880	120	195	100	260	6.75	20.65	40.83	0.5	95	110	<1	2	<1	4	<1	38	32	76
20241	BL-1	<10	13	2	0.03	370	90	155	135	300	5.33	20.30	42.39	0.5	80	150	<1	2	<1	1	<1	33	39	64
20242	BL-1	<10	13	3	0.03	330	100	215	185	260	6.33	19.28	42.08	<0.5	87	125	<1	1	<1	<1	<1	36	29	35
20243	BL-1	<10	13	2	0.02	310	110	220	185	240	6.40	18.55	42.42	0.5	89	120	<1	<1	<1	<1	<1	35	30	41
20244	BL-1	<10	6	2	0.03	395	140	240	100	320	7.24	19.75	40.52	0.5	94	115	<1	<1	<1	<1	<1	36	32	55
20245	BL-1	<10	10	<1	0.01	68	130	265	70	280	7.11	20.66	39.70	<0.5	98	68	<1	1	<1	4	<1	39	27	73
20246	BL-1	<10	7	2	0.04	235	90	205	170	180	6.01	18.01	44.32	0.5	83	120	<1	<1	<1	1	<1	35	28	38
20247	BL-1	<10	5	<1	0.02	200	115	215	175	180	5.15	13.55	46.78	0.5	75	93	<1	2	<1	1	2	17	28	194
20248	BL-1	<10	<2	<1	0.01	202	60	76	135	440	3.95	13.92	46.70	0.5	67	91	<1	2	<1	<1	1	22	45	294
20249	SE-3	<10	<2	<1	0.01	30	130	320	150	160	6.21	10.74	46.52	0.5	75	60	<1	3	<1	1	<1	4	3	9
20250	SE-3	<10	<2	<1	0.01	14	80	190	90	100	3.68	5.72	49.54	0.5	41	31	<1	3	<1	1	3	3	<2	7
20252	NE-1	<10	<2	<1	0.03	210	80	88	100	140	4.16	15.56	45.04	0.5	76	115	<1	2	<1	2	1	26	17	73
20253	NE-1	<10	5	3	0.05	255	150	145	170	420	5.77	14.10	46.37	<0.5	74	112	<1	1	<1	<1	<1	17	33	169
20254	SE-1	<10	14	5	0.05	390	155	115	90	400	6.67	15.46	44.23	0.5	87	90	<1	1	<1	<1	<1	27	16	84
20255	SE-1	<10	4	<1	0.04	262	80	116	185	1000	4.61	15.03	49.25	<0.5	69	125	<1	3	<1	<1	1	25	52	295
20256	SE-1	<10	5	2	0.09	292	135	123	260	420	5.92	16.42	45.36	<0.5	79	125	<1	1	<1	<1	<1	28	42	232
20257	SE-1	<10	4	<1	0.10	296	90	68	335	620	4.94	16.49	46.04	<0.5	74	125	<1	4	<1	2	<1	32	54	282
20258	SE-1	<10	30	5	0.03	170	230	157	195	220	7.20	12.84	46.74	<0.5	73	87	<1	1	<1	1	<1	16	23	124
20259	SE-1	<10	<2	<1	0.06	200	160	103	270	300	6.49	14.71	45.60	<0.5	78	105	<1	2	<1	3	<1	25	31	174
20260	SE-1	<10	7	<1	0.05	120	70	235	255	520	3.52	8.44	50.56	<0.5	41	80	<1	1	<1	<1	<1	15	28	165
20261	SE-1	22	20	14	0.04	254	135	245	205	180	5.56	12.90	46.19	<0.5	63	85	<1	3	<1	3	<1	31	17	75
20263	SE-1	<10	8	2	0.06	140	35	63	210	1400	2.69	12.36	54.63	<0.5	43	138	<1	3	<1	<1	<1	20	96	763
20264	SE-1	46	7	2	0.07	410	90	125	335	320	5.45	14.60	46.99	<0.5	68	108	<1	<1	<1	<1	1	27	29	154
20265	SE-1	<10	<2	<1	0.02	112	50	86	200	520	3.29	9.12	51.08	<0.5	40	78	<1	1	<1	<1	1	18	35	157
20266	SE-1	<10	4	<1	0.10	240	50	80	225	680	2.89	11.06	50.73	<0.5	40	125	<1	2	<1	1	2	23	67	202
20267	SE-1	<10	4	<1	0.08	260	45	67	250	300	2.89	11.18	49.32	<0.5	43	113	<1	3	<1	3	<1	20	49	526
20269	SE-1	<10	<2	<1	0.06	265	85	108	240	500	4.83	14.22	47.91	<0.5	66	114	<1	2	<1	<1	1	24	43	214
20270	SE-1	<10	7	<1	0.05	215	90	155	255	260	5.07	13.53	47.85	<0.5	70	100	<1	3	<1	<1	1	22	36	199
20271	SE-1	<10	6	<1	0.02	70	100	113	270	1800	3.55	7.25	48.87	<0.5	36	51	<1	3	<1	3	1	10	19	107
20272	SE-1	<10	6	<1	0.02	45	105	88	285	340	4.33	9.57	53.56	<0.5	44	48	<1	3	<1	3	2	18	43	220
20273	SE-1	<10	9	6	0.02	105	170	92	395	1400	5.73	10.26	47.87	<0.5	57	63	<1	2	<1	1	2	13	19	107
20274	SE-1	<10	7	2	0.01	202	85	90	250	160	4.26	11.51	47.44	<0.5	57	45	<1	3	<1	4	2	21	20	84
20276	SE-1	<10	7	<1	0.02	100	90	70	255	140	4.91	12.42	48.73	0.5	62	86	<1	1	<1	<1	<1	22	35	164
20278	SE-1	<10	<2	2	0.01	196	60	100	260	260	3.84	13.44	47.63	<0.5	62	92	<1	2	<1	3	1	23	29	155
20279	SE-1	<10	<2	<1	0.03	74	130	250	175	70	4.40	8.89	47.99	<0.5	59	59	<1	2	<1	2	<1	8	8	56
20280	SE-1	<10	<2	<1	0.02	48	160	156	155	<20	6.40	12.00	45.77	<0.5	88	64	<1	3	<1	3	<1	9	<2	32
20282	SL-4	<10	7	<1	0.27	122	20	32	160	460	4.00	23.07	43.47	<0.5	83	190	<1	2	<1	<1	<1	42	52	110
20283	SL-4	<10	<2	<1	0.19	280	50	71	195	380	4.51	20.80	44.07	<0.5	91	165	<1	3	<1	3	<1	41	46	221
20284	SL-1	<10	<2	<1	0.26	164	25	31	210	180	4.71	24.32	39.76	<0.5	101	175	<1	3	<1	<1	<1	46	59	130

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20239	BL-1	<10	8	<1	0.01	100	60	59	840	140	3.59	11.67	56.07	224	2.96	13.05	7.07	3.83	0.41	0.15	0.32	11	35	273	175
20240	BL-1	<10	13	7	0.04	880	120	195	100	260	6.75	20.65	40.83	411	4.39	13.60	10.88	2.28	<0.01	0.23	0.60	2	65	246	107
20241	BL-1	<10	13	2	0.03	370	90	155	135	300	5.33	20.30	42.39	345	3.61	14.11	10.54	2.81	0.10	0.24	0.53	5	70	280	209
20242	BL-1	<10	13	3	0.03	330	100	215	185	260	6.33	19.28	42.08	411	4.02	13.68	11.13	2.31	0.00	0.24	0.45	3	56	251	105
20243	BL-1	<10	13	2	0.02	310	110	220	185	240	6.40	18.55	42.42	396	3.95	13.95	10.88	2.39	0.02	0.24	0.47	2	50	236	121
20244	BL-1	<10	6	2	0.03	395	140	240	100	320	7.24	19.75	40.52	395	3.97	13.92	11.29	2.30	<0.01	0.25	0.51	2	62	219	105
20245	BL-1	<10	10	<1	0.01	68	130	265	70	280	7.11	20.66	39.70	400	4.17	13.54	11.10	2.22	<0.01	0.24	0.44	3	65	214	71
20246	BL-1	<10	7	2	0.04	235	90	205	170	180	6.01	18.01	44.32	355	3.66	14.31	10.50	2.55	0.23	0.22	0.48	6	55	239	147
20247	BL-1	<10	5	<1	0.02	200	115	215	175	180	5.15	13.55	46.78	244	2.70	17.17	8.94	2.92	0.82	0.16	0.38	23	50	284	217
20248	BL-1	<10	<2	<1	0.01	202	60	76	135	440	3.95	13.92	46.70	222	3.32	16.17	9.20	3.41	0.99	0.18	0.57	17	45	257	348
20249	SE-3	<10	<2	<1	0.01	30	130	320	150	160	6.21	10.74	46.52	382	1.12	21.77	8.64	3.30	0.31	0.10	0.07	4	40	361	108
20250	SE-3	<10	<2	<1	0.01	14	80	190	90	100	3.68	5.72	49.54	156	0.53	24.69	10.19	3.90	0.37	0.05	0.07	3	22	397	125
20252	NE-1	<10	<2	<1	0.03	210	80	88	100	140	4.16	15.56	45.04	260	2.92	17.20	10.84	2.94	0.53	0.19	0.17	12	54	248	140
20253	NE-1	<10	5	3	0.05	255	150	145	170	420	5.77	14.10	46.37	215	2.39	17.45	8.86	3.03	0.63	0.18	0.37	19	50	255	235
20254	SE-1	<10	14	5	0.05	390	155	115	90	400	6.67	15.46	44.23	339	3.76	15.79	9.40	2.68	0.24	0.19	0.20	7	47	228	147
20255	SE-1	<10	4	<1	0.04	262	80	116	185	1000	4.61	15.03	49.25	251	3.13	13.77	7.65	2.99	1.80	0.20	0.51	68	55	196	375
20256	SE-1	<10	5	2	0.09	292	135	123	260	420	5.92	16.42	45.36	307	3.58	13.96	8.63	2.79	0.93	0.21	0.47	21	50	212	281
20257	SE-1	<10	4	<1	0.10	296	90	68	335	620	4.94	16.49	46.04	339	4.20	12.85	8.61	2.95	1.25	0.22	0.60	31	48	197	351
20258	SE-1	<10	30	5	0.03	170	230	157	195	220	7.20	12.84	46.74	174	1.88	18.24	9.10	2.85	0.44	0.16	0.27	11	40	257	177
20259	SE-1	<10	<2	<1	0.06	200	160	103	270	300	6.49	14.71	45.60	270	3.15	16.21	9.37	2.72	0.60	0.19	0.37	16	45	233	211
20260	SE-1	<10	7	<1	0.05	120	70	235	255	520	3.52	8.44	50.56	153	1.63	20.10	9.25	3.28	1.15	0.10	0.23	51	40	273	248
20261	SE-1	22	20	14	0.04	254	135	245	205	180	5.56	12.90	46.19	475	2.62	17.49	11.44	2.85	0.22	0.14	0.18	11	42	251	134
20263	SE-1	<10	8	2	0.06	140	35	63	210	1400	2.69	12.36	54.63	140	2.15	14.72	6.20	3.41	2.89	0.17	0.46	113	55	184	704
20264	SE-1	46	7	2	0.07	410	90	125	335	320	5.45	14.60	46.99	272	2.69	16.29	9.60	2.90	0.30	0.18	0.29	19	60	250	194
20265	SE-1	<10	<2	<1	0.02	112	50	86	200	520	3.29	9.12	51.08	199	1.67	19.11	10.75	3.32	0.97	0.11	0.48	56	37	294	179
20266	SE-1	<10	4	<1	0.10	240	50	80	225	680	2.89	11.06	50.73	149	1.77	18.11	9.39	3.21	1.20	0.13	0.58	29	40	263	230
20267	SE-1	<10	4	<1	0.08	260	45	67	250	300	2.89	11.18	49.32	125	1.70	19.58	10.51	3.41	0.95	0.13	0.50	16	38	306	251
20269	SE-1	<10	<2	<1	0.06	265	85	108	240	500	4.83	14.22	47.91	242	2.67	16.29	9.32	3.21	0.90	0.18	0.52	27	52	256	273
20270	SE-1	<10	7	<1	0.05	215	90	155	255	260	5.07	13.53	47.85	239	2.55	16.41	9.07	3.10	1.08	0.17	0.47	23	46	256	271
20271	SE-1	<10	6	<1	0.02	70	100	113	270	1800	3.55	7.25	48.87	116	0.90	22.53	11.81	3.70	0.68	0.07	0.15	25	31	324	139
20272	SE-1	<10	6	<1	0.02	45	105	88	285	340	4.33	9.57	53.56	111	1.34	16.20	8.50	5.23	0.56	0.10	0.25	15	36	212	142
20273	SE-1	<10	9	6	0.02	105	170	92	395	1400	5.73	10.26	47.87	126	1.10	19.35	9.58	3.62	0.96	0.11	0.18	53	48	281	228
20274	SE-1	<10	7	2	0.01	202	85	90	250	160	4.26	11.51	47.44	237	1.99	19.46	10.90	3.40	0.43	0.14	0.20	12	45	284	155
20276	SE-1	<10	7	<1	0.02	100	90	70	255	140	4.91	12.42	48.73	201	1.88	17.70	9.94	3.09	0.87	0.18	0.25	23	45	251	200
20278	SE-1	<10	<2	2	0.01	196	60	100	260	260	3.84	13.44	47.63	329	2.33	17.92	9.93	3.50	0.64	0.16	0.26	14	45	253	185
20279	SE-1	<10	<2	<1	0.03	74	130	250	175	70	4.40	8.89	47.99	207	1.03	22.30	10.76	3.43	0.45	0.10	0.13	6	32	363	163
20280	SE-1	<10	<2	<1	0.02	48	160	156	155	<20	6.40	12.00	45.77	218	2.76	19.97	8.71	3.08	0.27	0.13	0.08	2	39	323	127
20282	SL-4	<10	7	<1	0.27	122	20	32	160	460	4.00	23.07	43.47	312	4.05	11.27	9.23	2.24	0.88	0.29	1.59	14	71	217	237
20283	SL-4	<10	<2	<1	0.19	280	50	71	195	380	4.51	20.80	44.07	389	4.35	12.15	8.76	2.42	0.96	0.26	0.71	19	70	207	272
20284	SL-1	<10	<2	<1	0.26	164	25	31	210	180	4.71	24.32	39.76	335	4.76	11.43	10.53	2.03	0.56	0.29	1.94	9	72	221	170

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Sc	Y	Zr
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20286	SL-1	<10	<2	<1	0.25	246	50	61	220	400	5.33	24.94	39.95	<0.5	104	190	<1	1	<1	1	<1	57	55	145
20290	SL-1	<10	7	2	0.18	252	80	171	200	300	3.96	14.52	49.93	<0.5	65	100	<1	3	<1	4	<1	31	37	276
20291	SL-1	<10	<2	<1	0.04	210	130	83	250	160	5.24	13.38	48.28	<0.5	75	71	<1	<1	<1	1	<1	23	16	74
20292	SL-1	<10	<2	<1	0.29	264	35	51	200	600	4.12	22.64	41.94	<0.5	92	132	<1	3	<1	2	<1	29	61	161
20293	SL-1	<10	<2	<1	0.20	240	80	35	225	520	5.74	24.56	39.90	<0.5	111	146	<1	1	<1	3	<1	29	53	91
20294	SL-1	<10	4	<1	0.04	112	540	68	310	90	18.65	22.44	41.58	<0.5	159	123	<1	2	<1	2	<1	13	14	56
20295	SL-1	<10	<2	<1	0.02	84	680	67	220	<20	23.77	25.86	39.99	<0.5	200	126	<1	<1	<1	3	<1	13	9	41
20296	SL-1	<10	5	2	0.03	128	450	70	355	80	16.91	19.73	43.44	<0.5	142	97	<1	2	<1	4	<1	13	14	67
20297	SL-1	<10	<2	<1	0.02	94	730	100	275	<20	24.44	25.55	39.38	<0.5	205	120	<1	5	<1	4	<1	15	12	53
20300	SL-1	<10	<2	<1	0.03	84	110	59	270	220	4.26	9.12	51.34	<0.5	52	145	<1	7	<1	2	<1	15	24	101
20301	SL-1	<10	<2	3	0.08	130	120	95	345	680	4.80	13.08	52.44	<0.5	65	80	<1	2	<1	1	<1	19	30	183

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Gabbro Analytical Package

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Cs	Sr	Ba
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
20286	SL-1	<10	<2	<1	0.25	246	50	61	220	400	5.33	24.94	39.95	430	5.08	10.70	9.37	1.91	0.39	0.31	1.26	8	80	196	181
20290	SL-1	<10	7	2	0.18	252	80	171	200	300	3.96	14.52	49.93	294	2.37	15.77	5.25	3.04	2.00	0.15	0.56	81	70	316	422
20291	SL-1	<10	<2	<1	0.04	210	130	83	250	160	5.24	13.38	48.28	279	2.19	17.88	9.28	3.02	0.65	0.16	0.16	12	50	291	163
20292	SL-1	<10	<2	<1	0.29	264	35	51	200	600	4.12	22.64	41.94	377	3.82	12.30	8.42	2.36	0.86	0.27	1.85	15	70	271	247
20293	SL-1	<10	<2	<1	0.20	240	80	35	225	520	5.74	24.56	39.90	324	3.96	12.00	8.22	2.22	0.35	0.29	1.88	7	70	237	160
20294	SL-1	<10	4	<1	0.04	112	540	68	310	90	18.65	22.44	41.58	110	0.99	9.95	4.83	1.61	0.27	0.26	0.17	9	75	151	97
20295	SL-1	<10	<2	<1	0.02	84	680	67	220	<20	23.77	25.86	39.99	90	0.66	5.73	2.97	0.95	0.22	0.30	0.11	6	80	84	65
20296	SL-1	<10	5	2	0.03	128	450	70	355	80	16.91	19.73	43.44	129	1.07	11.53	5.53	1.89	0.49	0.23	0.15	9	63	169	118
20297	SL-1	<10	<2	<1	0.02	94	730	100	275	<20	24.44	25.55	39.38	130	0.86	4.71	2.87	0.75	0.16	0.29	0.12	7	78	71	75
20300	SL-1	<10	<2	<1	0.03	84	110	59	270	220	4.26	9.12	51.34	167	1.38	18.71	8.85	3.40	1.09	0.15	0.28	33	44	319	199
20301	SL-1	<10	<2	3	0.08	130	120	95	345	680	4.80	13.08	52.44	145	1.50	16.29	6.34	3.02	1.90	0.15	0.41	59	51	243	367

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 255-1
Results of Granitoid Analytical Package
Analytical Results

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	Ag	Co	Zn	Bi	As	Sb	Se	Te	Mo	Sc	Y	Zr	Th
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19716	32718	<10	4	<1	0.084	21	134	210	20	2300	4.19	7.52	61.95	<0.2	48	66	<1	<1	<1			6	19	31	81	6.0
19717	32718	<10	3	<1	0.056	8	137	159	40	3050	4.97	8.52	61.73	<0.2	54	78	<1	<1	<1			4	24	43	87	7.0
19718	32718	<10	9	<1	0.118	11	218	139	20	2100	8.25	13.80	52.89	<0.2	77	112	<1	<1	<1			4	25	47	148	5.0
19719	32718	<10	<2	<1	0.039	15	221	135	20	4200	8.17	14.04	54.14	<0.2	81	123	<1	<1	<1			4	24	46	131	5.8
19720	32718	<10	<2	<1	0.017	390	218	110	40	1600	7.48	16.12	48.84	0.2	87	104	<1	<1	<1			2	20	26	106	2.0
19723	32718	<10	<2	<1	0.023	74	233	96	60	2000	6.10	11.70	57.46	<0.2	69	111	<1	1	<1			6	27	40	147	7.7
19730	DU-7	<10	<2	<1	0.084	9	21	964	20	920	0.95	2.18	72.51	0.2	18	27	<1	<1	<1			4	2	12	64	14.0
19761	NM-3	<10	6	<1	0.051	420	12	97	40	450	2.40	10.27	57.57	0.4	36	64	<1	<1	<1			4	18	10	23	3.7
19807	D-6A	<10	<2	<1	0.011	14	18	56	140	260	1.75	5.00	59.74	<0.2	15	35	<1	1	<1			4	**	7	56	14.0
19857	BA-4	<10	<2	<1	0.080	189	67	88	120	1100	2.91	6.65	61.63	<0.2	40	61	<1	<1	<1			4	14	15	< 10	4.4
20183	G-4	<10	10	3	0.06	208	110	120	255	260	3.12	9.22	61.16	<0.5	40	228	<1	1	<1	1	<1	4	16	51	454	7.5
20194	G-3	<10	<2	<1	0.29	30	10	54	255	260	0.40	4.00	72.85	<0.5	7	136	<1	3	<1	3		4	5	67	655	13
20195	G-3	<10	<2	<1	0.35	16	<1	78	120	360	0.26	4.37	71.78	<0.5	5	144	<1	3	<1	2	1	2	6	65	659	14
20198	G-3	<10	<2	<1	0.31	12	<1	85	125	380	0.28	4.09	72.77	<0.5	6	160	<1	2	<1	2	2	2	5	68	697	14
20199	G-3	<10	<2	<1	0.28	13	<1	82	240	340	0.25	4.34	72.23	<0.5	5	145	<1	1	<1	<1	2	2	6	68	705	14
20200	G-3	<10	<2	<1	0.32	61	<1	75	250	360	0.38	4.92	71.76	<0.5	10	190	<1	3	<1	2		8	7	68	662	14
20213	G-6	<10	7	<1	0.05	710	25	18	175	<20	4.70	19.91	40.71	0.5	97	118	<1	2	<1	<1	1	4	44	16	73	<0.1
20214	G-6	<10	<2	<1	0.06	700	35	22	260	<20	5.24	22.24	40.34	<0.5	109	140	<1	3	<1	5	<1	2	52	14	58	0.2
20219	SR-1	<10	6	<1	0.06	800	45	19	280	<20	5.65	25.07	39.61	0.5	123	170	<1	2	<1	2	<1	4	54	17	218	0.2
20220	SR-1	<10	5	<1	0.09	860	45	18	320	<20	5.87	29.37	34.78	0.5	146	195	<1	1	<1	4	<1	6	58	12	87	<0.1
20299	SL-1	<10	7	<1	0.02	116	70	94	248	100	2.56	4.52	72.80	<0.5	27	130	<1	2	<1	3	<1	4	4	11	97	7.0

Sample Number	Drill Hole	Pt	Pd	Au	S	Cu	Ni	Cr	Cl	F	MgO	Fe_2O_3	SiO_2	V	TiO_2	Al_2O_3	CaO	Na_2O	K_2O	MnO	P_2O_5	Rb	Sr	Ba	Sn
		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm
19716	32718	<10	4	<1	0.084	21	134	210	20	2300	4.19	7.52	61.95	150		12.48	4.59	3.12	3.91	0.09	0.40	190	153	389	<100
19717	32718	<10	3	<1	0.056	8	137	159	40	3050	4.97	8.52	61.73	151		11.66	4.70	2.96	3.37	0.10	0.35	150	110	287	<100
19718	32718	<10	9	<1	0.118	11	218	139	20	2100	8.25	13.80	52.89	165		9.84	6.37	2.14	0.48	0.20	0.25	82	87	159	<100
19719	32718	<10	<2	<1	0.039	15	221	135	20	4200	8.17	14.04	54.14	162		9.50	5.91	2.13	0.85	0.23	0.25	90	74	178	<100
19720	32718	<10	<2	<1	0.017	390	218	110	40	1600	7.48	16.12	48.84	175		14.62	6.22	1.97	1.30	0.21	0.28	142	281	603	<100
19723	32718	<10	<2	<1	0.023	74	233	96	60	2000	6.10	11.70	57.46	162		11.51	5.76	2.92	1.62	0.16	0.17	140	108	224	<100
19730	DU-7	<10	<2	<1	0.084	9	21	964	20	920	0.95	2.18	72.51	22		13.60	1.01	4.02	4.51	0.03	0.10	400	110	554	<100
19761	NM-3	<10	6	<1	0.051	420	12	97	40	450	2.40	10.27	57.57	98		14.36	6.30	4.14	1.05	0.14	0.32	70	296	182	<100
19807	D-6A	<10	<2	<1	0.011	14	18	56	140	260	1.75	5.00	59.74	31		17.93	0.27	2.04	11.55	0.04	0.06	600	35	494	<100
19857	BA-4	<10	<2	<1	0.080	189	67	88	120	1100	2.91	6.65	61.63	167		13.88	4.73	3.74	2.46	0.09	0.37	84	< 10	< 10	<100
20183	G-4	<10	10	3	0.06	208	110	120	255	260	3.12	9.22	61.16	114	1.24	13.62	4.56	2.92	2.66	0.12	0.20	88	185	673	<100
20194	G-3	<10	<2	<1	0.29	30	10	54	255	260	0.40	4.00	72.85	10	0.38	12.19	0.61	1.96	5.13	0.05	0.06	205	104	950	<100
20195	G-3	<10	<2	<1	0.35	16	<1	78	120	360	0.26	4.37	71.78	9	0.42	12.14	0.46	1.83	4.89	0.04	0.06	225	90	924	<100
20198	G-3	<10	<2	<1	0.31	12	<1	85	125	380	0.28	4.09	72.77	6	0.37	12.31	0.79	2.01	5.00	0.04	0.05	235	104	994	<100
20199	G-3	<10	<2	<1	0.28	13	<1	82	240	340	0.25	4.34	72.23	<5	0.40	12.21	0.98	2.28	4.97	0.06	0.06	205	128	1012	<100
20200	G-3	<10	<2	<1	0.32	61	<1	75	250	360	0.38	4.92	71.76	14	0.43	12.40	0.49	1.85	4.16	0.06	0.07	173	77	694	<100
20213	G-6	<10	7	<1	0.05	710	25	18	175	<20	4.70	19.91	40.71	523	6.69	13.17	9.46	2.71	0.23	0.24	0.15	4	233	129	<100
20214	G-6	<10	<2	<1	0.06	700	35	22	260	<20	5.24	22.24	40.34	644	6.76	11.47	9.99	2.29	< 0.1	0.26	0.14	1	189	119	<100
20219	SR-1	<10	6	<1	0.06	800	45	19	280	<20	5.65	25.07	39.61	787	7.53	9.53	9.82	2.00	0.12	0.29	0.14	5	214	117	<100
20220	SR-1	<10	5	<1	0.09	860	45	18	320	<20	5.87	29.37	34.78	993	9.62	7.79	8.89	1.49	< 0.1	0.31	0.13	4	132	74	<100
20299	SL-1	<10	7	<1	0.02	116	70	94	248	100	2.56	4.52	72.80	25	0.22	10.19	3.81	2.91	0.64	0.06	0.07	19	64	61	<100

** INSUFFICIENT SAMPLE

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

Project 265

SOUDAN MINE
SAMPLING PROJECT

ABSTRACT

This project analyzed 251 samples from 25 drill holes from the Soudan Mine, currently a part of the Soudan Mine State Park. Drill holes resulted from development drilling when this Algoman-type iron formation was actively mined by Oliver Iron Mining Company (now USX) from 1882 to 1962.

Gold mineralization of several hundred ppb's appears to be breccia related. Other samples contained anomalous Ba and F.

Samples were analyzed for the following elements:

Au, Pt, Pd, Bi, Sb, As, B, Ba, S, Se, Te, Ag, Cu, Ni, Mo, W, Sn, F, Ga, Sc, Y, La, Ce, Zr, Nb, Ta, Cd, Zn, Pb, Cr, Co, V, TiO_2, MgO, Fe_2O_3, MnO, SiO_2, Al_2O_3, P_2O_5, Li, Na_2O, K_2O, Rb, Sr, CaO, and Be.

The SIF occurs as the largest and most continuous of the typically thin, lensoidal iron formations found in the volcanics and sediments of the Vermilion district. The SIF is traceable for at least 16 miles and has an outcrop thickness (not true thickness) of as much as 3000', although multiple folding is probably responsible for most of this. The SIF occurs at a major volcanic transition from older mafic flows and pyroclastics to younger dacitic tuff and agglomerate.

The SIF, as described lithologically by Klinger (1960), is composed of predominantly ferruginous cherts, with lesser volcanics, intrusive rocks, and other facies of iron formations. Jaspilite, a banded (often finely) chert-hematite-martite-magnetite rock (often magnetic) containing about 30% iron, appears to be the predominant host rock for the orebodies. The orebodies occur as steeply plunging sinuous to lenticular bodies, the largest dimensions being described as 100 feet wide, 1000 feet long and with depths ranging up to 2,500 feet (Klinger, 1960). The orebodies are typically composed of massive bluish gray hematite, with small quantities of quartz, chlorite, apatite, and local pyrite, and copper minerals (Sims, 1972a, Klinger, 1960).

Inherited textures, such as banding and brecciation, offer evidence for replacement acting as the ore deposit formation process. The same hydrothermal fluids probably also formed the iron rich "blackrock" and red "paintrock" by attacking volcanic rocks along with the more easily replaced jaspilite.

Kendall (1938) noted the following:

1. Zircon was locally abundant in chlorite schist.

2. "Secondary (but not always) minerals" include sericite, chlorite, leucoxene, rutile, calcite, dolomite, zoisite, uralite, magnetite, actinolite, tremolite, epidote, quartz, hematite.

3. Pyrite occurred as well developed cubes and in massive form.

Eby and Berkey (1897) have described malachite, azurite, cuprite and native copper, and Klinger has described chalcopyrite, bornite, native copper (and probably chalcocite and cuprite) in the western section of the mine. These minerals occur mostly as fracture fillings and vug linings. Klinger notes that pyrite and chalcopyrite are usually found in the ore or in the iron formation adjacent to the ore, especially near the periphery of the ore bodies. In addition, he states that chalcopyrite is rarely found in the schists, and he also reports one instance where chalcopyrite cements an ore breccia. One fault passing through the mine is called the "copper fault" because of pieces of native copper taken from it, and several of these are on display at the Soudan Mine Park Visitor Center.

Another mineral identified by Klinger was kaolinite. This occurred along some fractures in ore as a constituent of vugs, and in secondary veinlets in iron formation near the ore.

Klinger states that in addition to calcite occurrences, dolomite, siderite, and possibly marcasite occur as rare, but large specimens in vugs.

Vugs containing well developed quartz crystals were found in the top and sides of ore bodies, and were used by the miners to determine when an orebody is ending (Hustad and Reid, 1950).

One feature that makes the Soudan Mine an ideal touring mine, is its dryness. Unlike the mines at the Ely end which were very wet, needed extensive timbering, and were subject to dangerous rock falls; the rock of the Soudan Mine appears to be relatively tight, well cemented, and not subject to failures.

ELEVATION = Drill hole collar elevation relative to the elevation of the surface of Lake Superior.

The mine grid to which the above coordinates and azimuths refer has "North" oriented approximately 13 degrees west of "true" North. The grid "zero" is located approximately 744 feet south and 1443 feet east of the western quarter section corner of Section 27, Township 62 N, Range 15 W. This information was scaled off of maps, and is subject to the accuracy limitations. Original survey notes, if they exist, would be necessary for work requiring any greater precision.

Sampling Procedures

The core from each drill hole was laid out in its entirety whenever possible. A general examination was made, and then temporary markers were used to indicate lithologic breaks of distinct units and to mark areas of interest, including those to be sampled.

Core samples were sawed and bagged in accordance with the Department of Natural Resources core sampling procedures. A sample card containing the sampling information has been left within each interval. Some intervals are contained in more than one box, and consequently may appear to lack a sampling card if the wrong box is examined.

Sampling Criteria

The following criteria were used when selecting samples for analysis:

1. presence of sulfide or sulfosalt minerals;
2. presence of veining, especially with quartz, carbonate, sulfides;
3. chemical sediments such as cherts (especially with disseminated sulfides), iron formation (especially when sulfidized), carbonates (especially iron dolomites), tourmalinites, sulfides and graphitic rocks (?);
4. fractured-faulted intervals and adjacent rocks;
5. brittle-ductile deformation transitions;
6. lithologic contacts or transitions, including intrusive contacts;
7. oxidation-reduction, or other apparent chemical or process transitions;
8. unknown, dubious or unusual mineralogy or rock types.

Since Archean rocks often exhibit at least one of the above features, the overall philosophy was one of attempting to sample those intervals exhibiting the greatest variety of geologic processes.

Because of time and other constraints, certain procedures were followed with regard to sampling, and drill holes were preferentially sampled for the following reasons:

1. Available information indicated a number of the criteria cited above, or other intriguing features.
2. Available maps indicated that certain holes should intersect the "copper" or other faults.
3. Wide spatial placement, to get spatial information on variations in rock chemistry.
4. To develop chemical information on as wide a variety of lithologies and processes as possible.

5. To sample drill holes which had not been skeletonized.

During sample compositing, every attempt was made to keep the major lithotype of the subsamples the same.

A listing of the drill holes sampled is given in Table 265-1

TABLE 265-1. SAMPLED DRILL CORE LIST
(Note: See Appendix A for description of columns.)

MINE DDH #	USS UNIQUE DDH #	TOTAL # OF BOXES	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION
614	14855	4	15	146N	1100E	0	0	237	-129.2
634	14911	5	15	123.9N	1983.8E	0	0	227	-125
635	14916	2	15	97.8N	1983.8E	180	0	519	-125
654	14950	3	22	1170N	1940W	35	-60	366	-830
672	14968	2	22	1166 N	1943 W	215	0	293	-827
695	14991	1	8	109 N	1547 E	30	-65	97	-385.5
715	15015	1	17	128.5 N	725.4 E	180	0	277	-325.9
751	15088	2	8	23.6 N	1172.4 E	180	0	321	388.8
897		3	27	841.4 N	1874.3 W	25	0	465	-1333.2
898		2	27	407.8 N	430.8 W	65	0	165	-1335.3
899		3	12	804.6 N	1321.7 W	68.3	0	360	179.5
900		2	12	745 N	1287 W	68.3	0	284	179.2
901		3	27	1024 N	2123 W	25	0	591	-1331.4
902		1	23	374 N	1000 E	0	0	138	-925.4
903		3	27	1254.6 N	2440.8 W	20	0	360	-1329.8
904		4	27	863 N	2000 W	180	0	775	-1333
905		1	23	259.9 N	366.2 E	170	-60	300	-933.6
906		2	23	384.3 N	523 E	189	-45	426	-932.6
907		2	23	354.8 N	802.2 E	180	0	413	-927.5
909		2	27	1299.4 N	2557.3 W	20	0	310	-1328.7
910		2	27	1298.7 N	2561.8 W	340	0	370	-1328.8
917	18882	35	0	350 N	26 E	180	-50	600	926.7
919	18886	44	0	515 N	3200 E	180	-60	907	940.8
921	18898	15	0	350 N	3800 E	180	-50	700	880.8

SAMPLE PREPARATION AND ANALYSIS

Sample Preparation

Technical Service Laboratories, Ltd. (TSL) of Mississauga, Ontario was awarded the contract for sample preparation and the analytical work.

Samples were crushed to 1/4 inch in a jaw crusher and further reduced to 1/10 inch in a cone crusher. Each sample was then split and a 1/2 pound portion was pulverized to -150 mesh in a shatter box.

Some analytical samples were actually composites of subsamples. This involved taking equal weights of pulps from each of the subsamples, combining, and thoroughly mixing them before analysis. The majority of pulps, however, were not mixed (i.e., identities kept separate) and were reserved for separate analysis in the event interesting results came back from the analysis of the corresponding composite sample.

Analytical Work

Analytical results, including the duplicate and standard sample analyses, are presented in Appendix D.

Table 265-2 describes the analytical package used for greenstone - granite terrane rocks. The following abbreviations are used in this table:

% = percent (parts per hundred)

PPM = parts per million

PPB = parts per billion

FA = fire assay

ICP = inductively coupled plasma emission spectrometry

AA = atomic absorption

SP ION EL = specific ion electrode

WR = whole rock (inductively coupled argon plasma emission spectrometry)

INAA = instrumental neutron activation analysis

This table indicates the detection limits, the sample weight used, the analytical method, and the overlimit values for the elements (and some oxides) analyzed for. "Overlimit value" refers to the highest analytical value for which quality results can be produced for a given analytical method and element.

Other procedures involved with whole rock (WR) analyses include the following:

Fusion

Each gram sample was fused with a flux mixture of lithium carbonate and boric acid. Each fusion was carried out in a graphite crucible using a proprietary procedure.

Sample Dissolution

The molten sample and flux mixture were poured directly into a nitric acid solution contained in a plastic bottle. The molten slag shatters on impact and as a result, dissolves quite readily. Each bottle was then placed on a shaker for 4 hours to insure complete dissolution.

Table 265-2. ANALYTICAL PACKAGE FOR GREENSTONE-GRANITE TERRANE ROCKS, SOILS, AND OTHER GEOLOGIC MATERIALS.

ELEMENT	DETECTION LIMIT	SAMPLE WEIGHT grams	ANALYTICAL METHOD	OVERLIMIT VALUE
MgO	.01 %	.2	WR	30 %
MnO	.01 %	.2	WR	20 %
Fe2O3	.01 %	.2	WR	60 %
TiO2	.01 %	.2	WR	20 %
V	1 ppm	.2	WR	10 %
Cr	5 ppm	.2	WR	10 %
Co	1 ppm	.2	WR	10 %
Ni	5 ppm	.2	WR	10 %
Cu	5 ppm	.2	WR	10 %
Pt	10 ppb	30	FA-ICP	50 ppm
Pd	1 ppb	30	FA-ICP	50 ppm
Ag	0.5 ppm	1	AA	30 ppm
Au	1 ppb	30	FA-ICP	50 ppm
As	1 ppm	1	HYDRIDE ICP	1 %
Sb	0.2 ppm	1	HYDRIDE ICP	1 %
Bi	3 ppm	1	HYDRIDE ICP	1 %
B	2 ppm	1	ICP	10 %
Ba	1 ppm	.2	WR	20 %
Te	10 ppm	1	HYDRIDE ICP	1 %
Se	5 ppm	1	HYDRIDE ICP	1 %
S	100 ppm	.5	LECO	20 %
F	20 ppm	.1	SP ION EL	1 %
Sn	50 ppm	.2	WR	10 %
W	30 ppm	.2	WR	10 %
Mo	1 ppm	1	AA	1 %
Pb	4 ppm	1	AA	1 %
Zn	5 ppm	.2	WR	10 %
Cd	1 ppm	.2	WR	10 %
Li	10 ppm	1	AA	10 %
Be	1 ppm	.2	WR	10 %
K2O	.01 %	.2	WR	30 %
Na2O	.01 %	.2	WR	30 %
CaO	.01 %	.2	WR	50 %
Rb	20 ppm	1	AA	10 %
Sr	1 ppm	.2	WR	10 %
P2O5	.01 %	.2	WR	30 %
Al2O3	.01 %	.2	WR	40 %
SiO2	%	.2	WR	-
Ga	25 ppm	1	ICP	10 %
Sc	1 ppm	.2	WR	10 %
Y	1 ppm	.2	WR	10 %
La	1 ppm	1	INAA	2 %
Ce	5 ppm	1	INAA	10 %
Zr	1 ppm	.2	WR	10 %
Nb	10 ppm	1	ICP	10 %
Ta	2 ppm	1	INAA	2 %

Internal Standard

After dissolution, each sample solution was diluted with water containing an internal standard. All dilutions used in this procedure were made to a constant or recorded weight. The samples were mixed and a portion filtered prior to analysis on the ICAP.

Standardization

An individual standardization by TSL is carried out by using five international standard samples. These samples have been obtained from the Canadian Certified Reference Material Project, United States Geological Survey, National Bureau of Standards (USA), Centre De Recherches Petrographics Et Geochmiques (France) and the National Institute for Metallurgy (South Africa). Standard samples are treated in the same manner as are actual assay samples. In the event that a sample is outside the range of the standards used (e.g., a limestone sample with silicate rock samples), it is rerun on the ICAP with the appropriate solution standards. Solution standards mean that samples with extremes of one element can be accommodated by the addition of that element in solution to appropriate standards. TSL has a standard group of approximately 35 standards that can be used as a routine. Standardization for the secondary elements (Zr, Sr, Ba, Sc, Y) is carried out in much the same manner in that known reference materials are used to control the analysis.

For ICP or AA work, a multi acid digestion was used. For each sample, 1.0 gram of pulp was treated with a combination of HF, HC104, HNO3 and HCl. Samples were digested, taken to HC104 fumes, diluted and analyzed by ICP or AA as required.

Instrumental Neutron Activation Analysis (INAA) was performed by Activation Laboratories, Ltd. Activation Laboratories, Ltd. is a joint venture company owned by Technical Service Laboratories and Dr. Eric Hoffman.

DUPLICATE SAMPLES

Several "known" samples were run for this project to check on the quality of the gold determinations from TSL. While initial results were disappointing, further work indicated the erratic results were possibly due to an irregular distribution within the sample (?). Some platinum group element work also produced inconsistent results, however, contamination during sample preparation may have been responsible.

Two pulps (sample #'s 20843 and 20844) were sent in with the Project 265 samples. They were made by diluting CANMET standard GTS-1 (346 ppb) with previously assayed barren pulp to hypothetical values of 50 and 200 ppb, respectively. They were assayed by Bondar Clegg, North Vancouver B.C., with results of 45 and 220 ppb, respectively (see Sellner, et al., 1985). Because the TSL results were 3 and 38 ppb, respectively, additional samples of these pulps and undiluted CANMET GTS-1 were requested to be analyzed. These values are listed below in TABLE 265-3. Note that the 150 ppb "spike" and "blank" values (used to calibrate ICP unit) are also given.

TABLE 265-3. TSL ANALYSIS OF GOLD STANDARDS FROM PULPS

Pulp Sample #	Given Standard Au Value	TSL Analysis Sample #'s	TSL Analysis Au Values
	blank		less than 1 ppb
20843	50 ppb standard	20846	32, 36 ppb
20844	200 ppb standard	20847	118, 121 ppb
	346 ppb (GTS-1 standard)	20848	219, 217 ppb
	150 ppb spike		138, 146 ppb

TSL (at their expense) also analyzed the 5 samples having the highest Au values (for the Project 265 sample group) using instrumental neutron activation analysis (INAA). These results are shown in TABLE 265-4.

TABLE 265-4 TSL FA-ICP AND INAA COMPARATIVE ANALYSES

Previous Sample No.	New FA-ICP Result	INAA Result
20786	197 ppb	180 ppb
19675	158 ppb	330 ppb
19674	113 ppb	55 ppb
19673	102 ppb	192 ppb
20662	232 ppb	207 ppb

We have also reanalyzed at Bondar-Clegg (BC), Inc. of North Vancouver, British Columbia separate samples of core from the most anomalous samples reported by TSL. BC used a fire assay with an atomic absorption spectrometry finish. After the results were (initially) received, Bondar-Clegg telephoned saying they had misread the instructions. The results they had sent were from 10 gram rather than 30 gram samples, so they redid the analyses with 30 gram samples. The results are printed in Table 265-5 including the platinum and palladium values:

The evidence is pretty strong for an irregular nugget effect due to gold grain size.

The B.C. results also indicate some discrepancy with the TSL results for the highest platinum and palladium samples. If contamination is involved, other elements (Cu, Ni) did not appear to be affected. The reason for the discrepancy is not clear, but sending the TSL pulps to BC, and the BC pulps to TSL may help to resolve this question.

TABLE 265-5
BONDAR-CLEGG CHECKS ON SOUDAN SAMPLES

BC SAMPLE #	TSL SAMPLE #	BC Au 10 gram	BC Au 30 gram	TSL Au 30 gram	BC Pt 10 gram	BC Pt 30 gram	TSL Pt 30 gram	BC Pd 10 gram	BC Pd 30 gram	TSL Pd 30 gram
22870	19680	5	5	3	15	15	950	2	2	2
22871	19681A	7	8	1	15	15	10	2	2	335
22872	19681B	5	5		15	15		2	2	
22873	20662	5	5	232	15	15	45	2	2	2
22874	20786	217	200	197	15	15	10	2	2	2
22875	19675	191	200	158	15	15	10	2	2	14
22876	19674	1762*	352**	113	15	15	10	2	2	60
22877	19673	210	234	102	15	15	10	2	2	2
22878		26	26		15	15		2	2	
22879		27	18		15	15		25	25	

* Erratic gold results noted by assayer = 2760, 1125, 253 ppb when 10 gram sample repeated.

** Erratic gold results noted by assayer = 258 ppb when 30 gram samples repeated.

DESCRIPTION AND DISCUSSION OF RESULTS

The analytical results for this project are given in Appendix D. In Appendix C, the sample list, the rock names are essentially those used in the mine literature; however, the author used "hematite schist" in place of "paintrock". Plots of sample numbers vs. sample values are found in Figures 265-1, 265-2, 265-3, and 265-4.

The highest gold (Au) values were found only on the order of several hundred ppb's, and based on their association with breccias, they are probably fault related. Relationships with other elements are weak at best. The same can be said for Pt and Pd, but the lithologic association with brecciated rocks appears less certain, except in samples 19650 and 19651. In general, there appears to be more Pt than Pd in the system.

The samples with the highest Pt and Pd values (950 and 335 ppb respectively) were also analyzed by Bondar Clegg. They did not confirm the TSL results (see section on "Duplicate Samples").

Other interesting numbers in the analytical data include values of 3044 ppm Ba, 2360 ppm F, 1400 ppm Rb, 1350 ppm Sr, and 120 ppm Li.

The sample number vs. sample value plots show some interesting things. The Fe_2O_3 and SiO_2 plots are quite antipathetic, which may indicate of a general chemical process of one replacing the other(?). The Li plot matches up to a surprising degree, with MgO, TiO_2, and V, contrary to what one might expect.

Another trend that one would expect to see and, indeed, does see is that between K_2O and Al_2O_3, which is probably sericite associated.

FIGURE 265-1

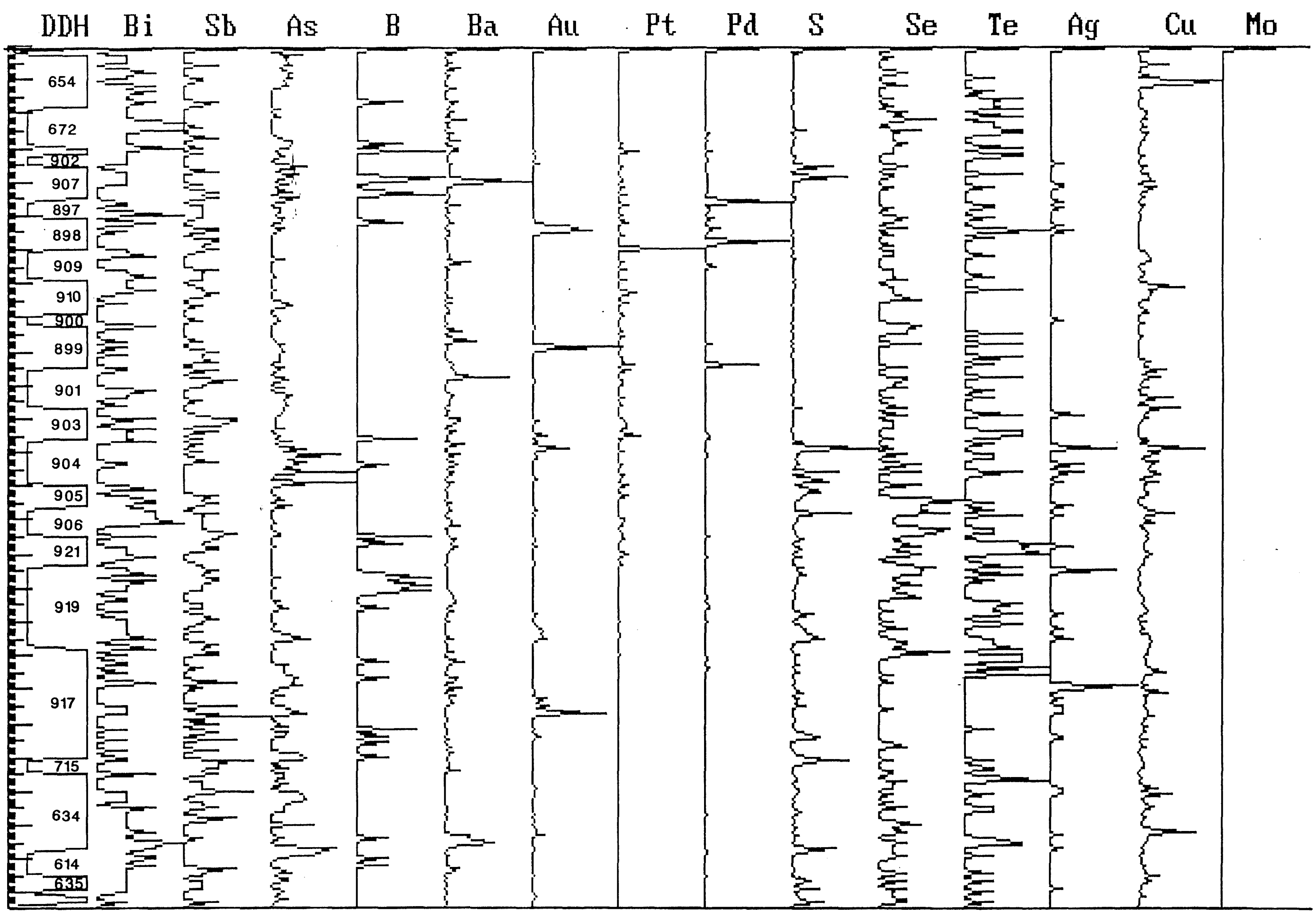


FIGURE 265-1: Sample Value vs. Sample # Plot for Soudan Mine Sample Analyses (Bi, Sb, As, B, Ba, Au, Pt, Pd, S, Se, Te, Ag, Cu, Mo). Sample #'s are broken up by drill hole in the left column.

FIGURE 265-2

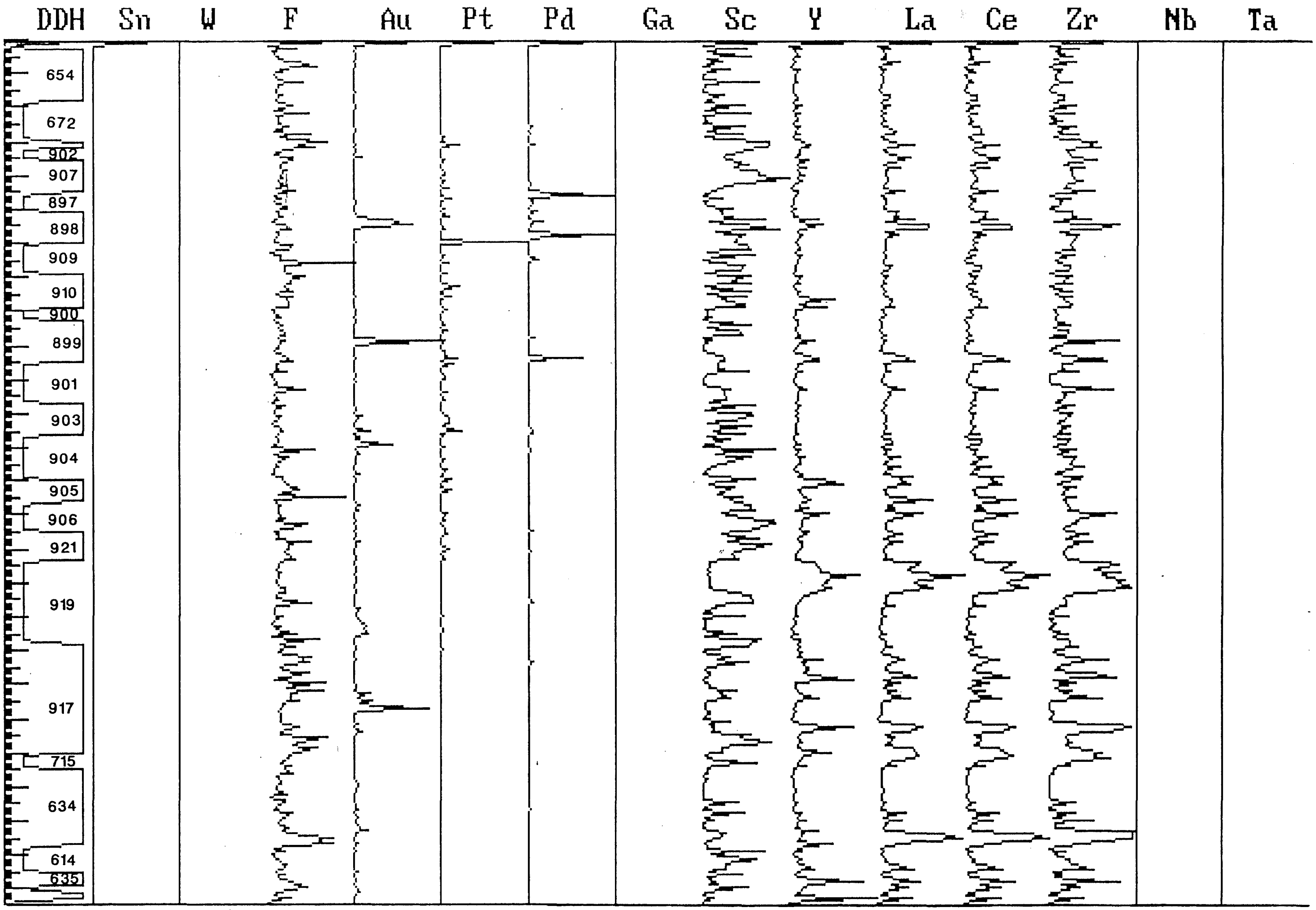


FIGURE 265-2: Sample Value vs. Sample # Plot for Soudan Mine Sample Analyses (Sn, W, F, Au, Pt, Pd, Ga, Sc, Y, La, Ce, Zr, Nb, Ta). Sample #'s are broken up by drill hole in the left column.

FIGURE 265-3

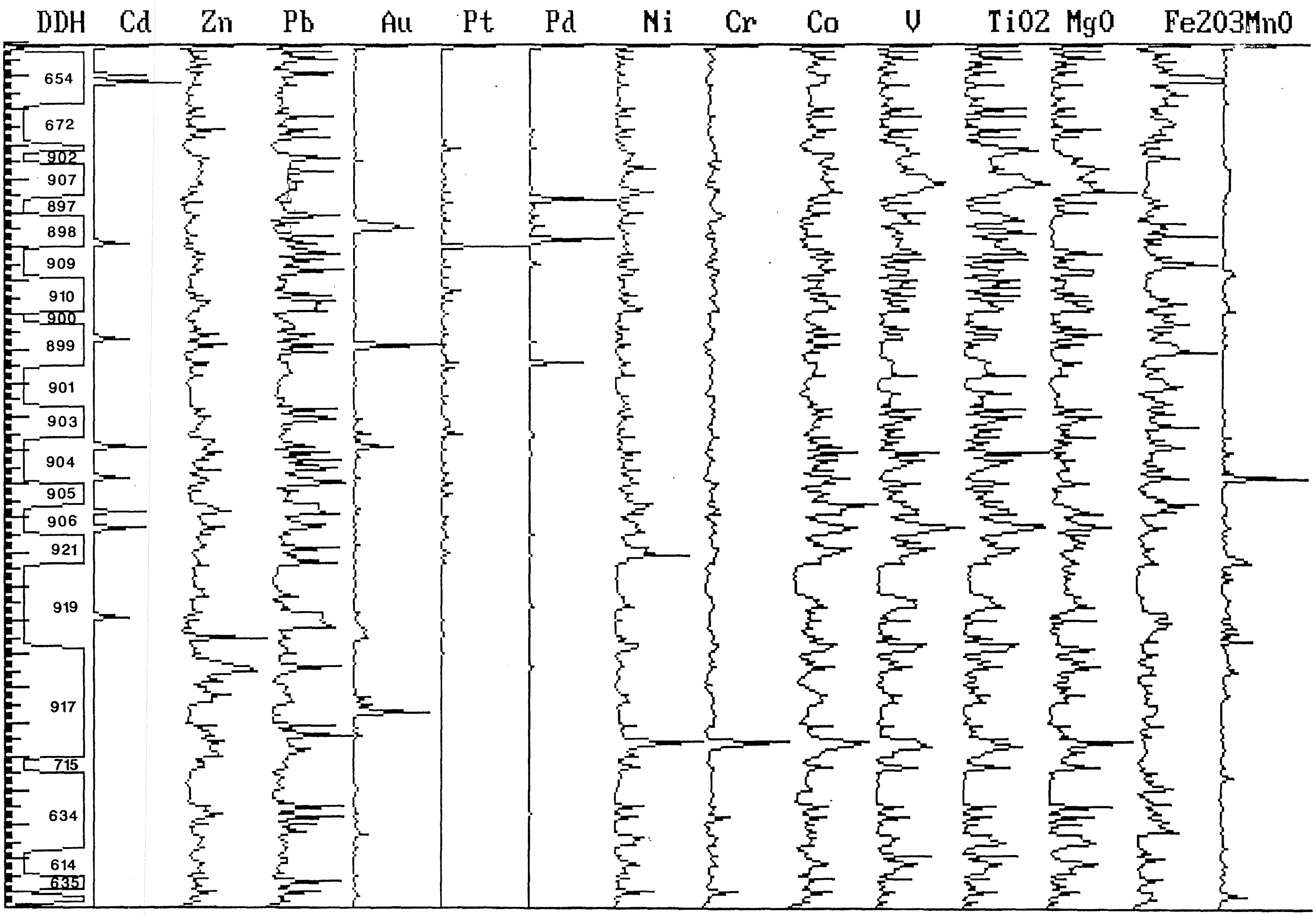


FIGURE 265-3: Sample Value vs. Sample # Plot for Soudan Mine Sample Analyses (Cd, Zn, Pb, Au, Pt, Pd, Ni, Cr, Co, V, TiO2, Mgo, Fe2O3, MnO). Sample #'s are broken up by drill hole in the left column.

FIGURE 265-4

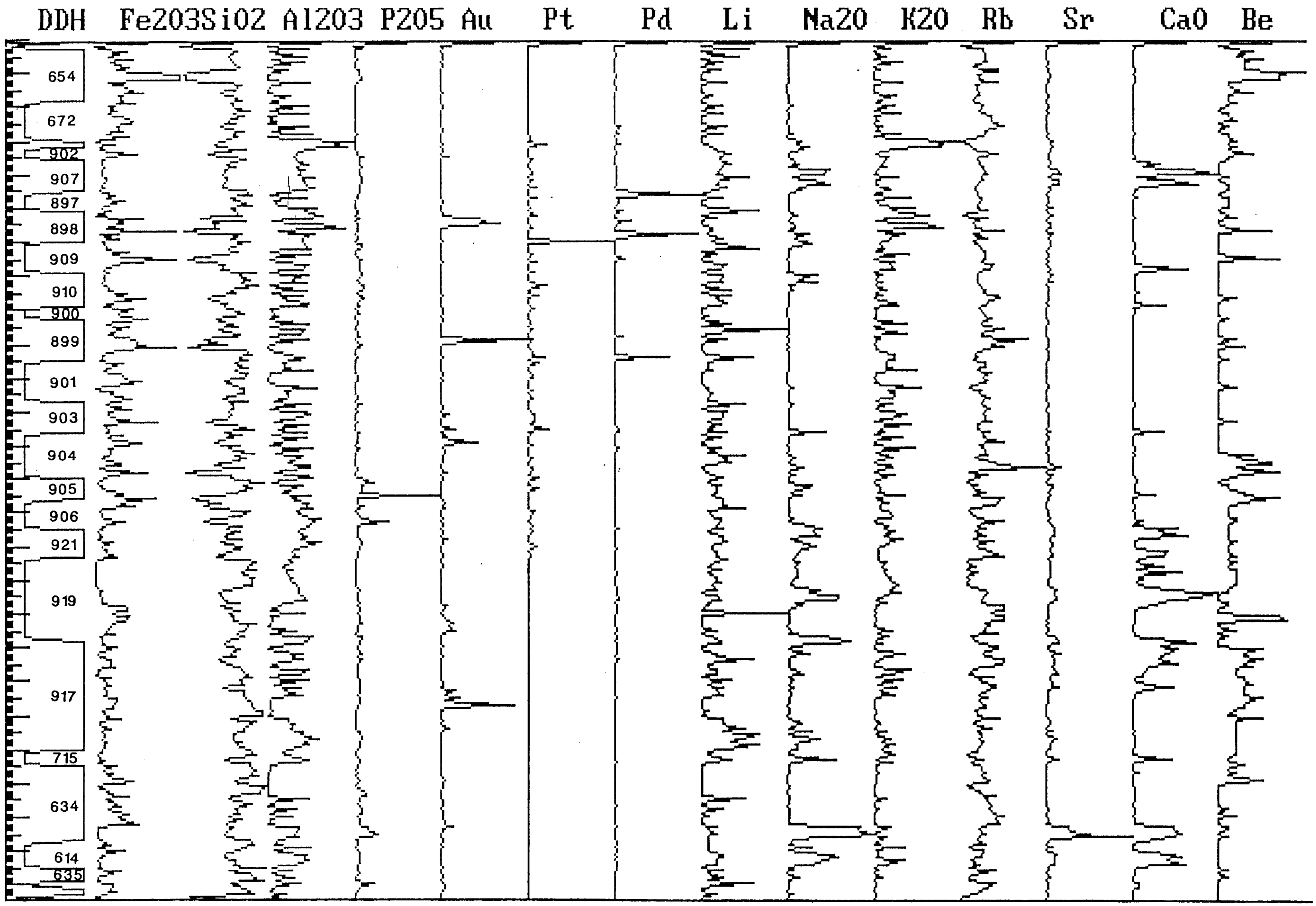


FIGURE 265-4: Sample Value vs. Sample # Plot for Soudan Mine Sample Analyses (Fe2O3, SiO2, Al2O3, P2O5, Au, Pt, Pd, Li, Na2O, K2O, Rb, Sr, CaO, Be). Sample #'s are broken up by drill hole in the left column.

CONCLUSIONS

1. The weak precious metal mineralization is fault related (solution conduit mechanism).

2. The geochemical processes appear to heavily involve both iron and silica, but reciprocally.

3. Some of the higher K2O values also appear to be breccia associated, indicating that sericitic alteration is fault controlled, which may indirectly link sericitization with precious metal mineralization.

RECOMMENDATIONS

More detailed sampling is needed since there is so much drill core located in a spatially small area. A Geographic Information System (GIS) study which spatially analyzes chemistry-stratigraphy would be most appropriate. The Soudan Mine is a unique place to do this. These systematics could then be applied to areas of similar rocks where there is less spatial control in three dimensions.

It is also recommended that the core be moved underground to less humid storage. The building in which the core is currently located has deteriorated badly.

No thesis work has been undertaken on the rocks at the Soudan Mine for a number of years. In view of the fact that the rocks have been extensively altered, and that there appears to be zoning with regard to the trace of pyrite in the orebodies, this mine would seem to be a good candidate for a thesis project.

Project 265

Soudan Mine
Sampling Project

APPENDICES

APPENDIX A

The following is an explanation for the columns found in "Soudan Mine Drill Core Inventory" (Appendix A).

MINEDDH	= Mine drill hole number used at the Soudan Mine.
BOX#	= Number of particular box of drill core for a given hole.
TOTBOXES	= Total number of core boxes for a particular drill hole.
BXTPFT	= Drill footage at top of box.
BXBTFT	= Drill footage at bottom of box.
BXCODE	= Codes are separated by a decimal point if more than one applies. 1 = Complete core. 2 = Skeletonized. 3 = Scrambled. 4 = Core stored in bags (scrambled). 5 = Box labelled "EXT" for extension of previously drilled hole. 6 = Box labelled "Test Hole" (associated? with drill hole of same number). 7 = Core in cardboard boxes, not wooden boxes. 8 = Core stacked on floor next to shelf "X". 9 = Core in back room on ground floor.
LEVEL	= Mine Level where drill hole was collared. "0" Level is ground surface.
NSGRID	= North or South coordinate of drill hole on Mine Grid.
NorS	= Designates whether above coordinate is North or South.
EWGRID	= East or West coordinate of drill hole on Mine Grid.
EorW	= Designates whether above coordinate is East or West.
AZIM	= Azimuth direction (relative to Mine Grid North) that the hole was drilled.
ANGLE	= Vertical angle at which the hole was drilled (0=horizontal, -90=vertically down). Some logs did not show a positive or negative sign, and the angles are shown as being positive.
SHELF	= Designation of shelf unit where core is stored.
TDFT	= Total depth or footage of drill hole.
USS#	= Unique number given to all U.S. Steel drill holes.
ELEVATION	= Drill hole collar elevation relative to the elevation of the surface of Lake Superior.

The mine grid to which the above coordinates and azimuths refer, has "North" that is oriented approximately 13 degrees west of "true" North. The grid "zero" is located approximately 744 feet south and 1443 feet east of the western quarter section corner of Section 27, Township 62 N, Range 15 W. This information was scaled off of maps, and is subject to the accuracy limitations that doing so implies. Original survey notes, if found, would be necessary for any work requiring any greater precision.

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
		1												V
		1				9,6								U
		1				6	0							V
		1				6	22							Y
		1			85	6	23							U
		1		0			27							W
		2				6	22							Y
601	14816	1	2			2	18	1143N	1756W	225.7	0	371	-425.5	A
602		2	2											A
602	14817	1	4			2	15	372.6N	799.5W	0	0	722	-136.7	A
602	14817	2	4			2	15	372.6N	799.5W	0	0	722	-136.7	A
602	14817	3	4			2	15	372.6N	799.5W	0	0	722	-136.7	A
602	14817	4	4			2	15	372.6N	799.5W	0	0	722	-136.7	A
603	14820	1	2			2	15	362.9N	546.9W	0	0	293	-136	A
603	14820	2				2	15	362.9N	546.9W	0	0	293	-136	A
604	14823	1	2			2	15	319.7N	299.9W	0	0	298	-135.7	A
604	14823	2	2			2	15	319.7N	299.9W	0	0	298	-135.7	A
605		1												V
605		2												V
605		5												V
605	14825	1	2			2	15	290.5N	52.8W	344	0	289	-134.2	A
605	14825	2	2			2	15	290.5N	52.8W	344	0	289	-134.2	A
606	14828	1	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	2	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	3	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	4	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	5	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	6	9			1	15	270.9N	98.1E	0	0	348	-132.7	A
606	14828	7	9			1	15	270.9N	98.1E	0	0	348	-132.7	B
606	14828	8	9			1	15	270.9N	98.1E	0	0	348	-132.7	B
606	14828	9	9			1	15	270.9N	98.1E	0	0	348	-132.7	B
607	14831	1	2			2	15	313.8N	589.3W	180	0	299	-134.4	B
607	14831	2	2			2	15	313.8N	589.3W	180	0	299	-134.4	B

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
608	14834	1	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
608	14834	2	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
608	14834	3	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
608	14834	4	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
608	14834	5	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
608	14834	6	6			1	15	230.5N	350.9E	0	0	255	-132.2	B
609	14837	1	2			2	15	184.5N	349.2E	180	0	318	-132.2	B
609	14837	2	2			2	15	184.5N	349.2E	180	0	318	-132.2	B
610	14839	1	2			2	15	199.4N	599.7E	0	0	344	-131.2	B
610	14839	2	2			2	15	199.4N	599.7E	0	0	344	-131.2	B
611	14841	1	2			2	15	151.8N	578.4E	180	0	527	-131.2	B
611	14841	2	2			2	15	151.8N	578.4E	180	0	527	-131.2	B
612	14848	1	2			2	15	167.7N	851E	0	0	322	-130.1	B
612	14848	2	2			2	15	167.7N	851E	0	0	322	-130.1	B
613	14852	1	1			2	15	195.5N	348E	0	-47	188	-135.2	C
614	14855	1	4			1	15	146N	1100E	0	0	237	-129.2	C
614	14855	2	4			1	15	146N	1100E	0	0	237	-129.2	C
614	14855	3	4			1	15	146N	1100E	0	0	237	-129.2	C
614	14855	4	4			1	15	146N	1100E	0	0	237	-129.2	C
615	14857	1	2			2	15	123.7N	847.5E	0	-45	412	-134.2	C
615	14857	2	2			2	15	123.7N	847.5E	0	-45	412	-134.2	C
616	14860	1	2			2	15	152.9N	349.5E	0	-60	360	-136.2	C
616	14860	2	2			2	15	152.9N	349.5E	0	-60	360	-136.2	C
617	14862	1	4			1	15	132.9N	1349.5E	0	0	171	-128	C
617	14862	2	4			1	15	132.9N	1349.5E	0	0	171	-128	C
617	14862	3	4			1	15	132.9N	1349.5E	0	0	171	-128	C
617	14862	4	4			1	15	132.9N	1349.5E	0	0	171	-128	C
618	14864	1	1			2	20	1227.6N	1768.3W	45	0	88	-624.5	C
619	14865	1	2			2	20	1199.8N	1834.9W	194	0	240	-624	C
619	14865	2	2			2	20	1199.8N	1834.9W	194	0	240	-624	C
620	14867	1	1			2	20	1119N	1618.5W	45	0	133	-625	C
621	14869	1	1			2	20	324.2N	1453.6W	120	0	115	-627	C
622	14871	1	1			2	20	1124.5N	1713.5W	175	0	140.5	-626	D

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
623	14873	1	2			2	15	323.5N	588.8W	0	60	412	-139.2	D
623	14873	2	2			2	15	323.5N	588.8W	0	60	412	-139.2	D
624	14877	1	1			2	15	197N	1570E	45	0	190	-126.5	D
625	14880	1	2			2	18	1331.5N	2012W	225	0	346	-423	D
625	14880	2	2			2	18	1331.5N	2012W	225	0	346	-423	D
626	14882	1	3			2	18	1410.6N	2087.8W	45	0	545	-422	D
626	14882	2	3			2	18	1410.6N	2087.8W	45	0	545	-422	D
626	14882	3	3			2	18	1410.6N	2087.8W	45	0	545	-422	D
627	14885	1	4			2	18	88.1N	1750.8W	0	0	642.5	-425	D
627	14885	2	4			2	18	88.1N	1750.8W	0	0	642.5	-425	D
627	14885	3	4			2	18	88.1N	1750.8W	0	0	642.5	-425	D
627	14885	4	4			2	18	88.1N	1750.8W	0	0	642.5	-425	D
628	14886	1	2			2	18	50.6N	1999.8W	0	0	432	-423	D
628	14886	2	2			2	18	50.6N	1999.8W	0	0	432	-423	D
629	14889	1	3			2	18	1558.2N	2441W	45	0	431.5	-421	D
629	14889	2	3			2	18	1558.2N	2441W	45	0	431.5	-421	D
629	14889	3	3			2	18	1558.2N	2441W	45	0	431.5	-421	D
630	14891	1	2			2	18	1541N	2458W	225	0	295	-421	E
630	14891	2	2			2	18	1541 N	2458 W	225	0	295	-421	E
631	14894	1	2			2	18	44 N	2499.3 W	0	0	268	-422	E
631	14894	2	2			2	18	44 N	2499.3 W	0	0	268	-422	E
632	14900	1	2			2	18	39.5 N	2503 W	225	0	277	-422	E
632	14900	2	2			2	18	39.5 N	2503 W	225	0	277	-422	E
633	14901	1	2			2	18	49.3 N	2249.8 W	0	0	306	-423	E
633	14901	2	2			2	18	49.3 N	2249.8 W	0	0	306	-423	E
634	14911	1	5			1	15	123.9 N	1983.8 E	0	0	227	-125	E
634	14911	2	5			1	15	123.9 N	1983.8 E	0	0	227	-125	E
634	14911	3	5			1	15	123.9 N	1983.8 E	0	0	227	-125	E
634	14911	4	5			1	15	123.9 N	1983.8 E	0	0	227	-125	E
634	14911	5	5			1	15	123.9 N	1983.8 E	0	0	227	-125	E
635	14916	1	2			2	15	97.8 N	1983.8 E	180	0	519	-125	E
635	14916	2	2			2	15	97.8 N	1983.8 E	180	0	519	-125	E
636	14917	1	2			2	15	47.6 N	1249.9 E	0	50	327	-132	E
636	14917	2	2			2	15	47.6 N	1249.9 E	0	50	327	-132	E

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
637	14925	1	1			2	18	1147.5 N	1456.1 W	40	0	247	-427	E
638	14926	1	3			2	18	1034.8 N	1538.6 W	107	0	490	-427.8	F
638	14926	2	3			2	18	1034.8 N	1538.6 W	107	0	490	-427.8	F
638	14926	3	3			2	18	1034.8 N	1538.6 W	107	0	490	-427.8	J
639	14931	1	3			2	20	327 N	1529.9 W	330	0	602	-628	F
639	14931	2	3			2	20	327 N	1529.9 W	330	0	602	-628	F
639	14931	3	3			2	20	327 N	1529.9 W	330	0	602	-628	F
640	14932	1	2			2	21	372 N	1436 W	192	0	135	-730	F
640	14932	2	2			2	21	372 N	1436 W	192	0	135	-730	F
641	14933	1	1			2	21	316.3 N	673.4 W	45	0	87	-733.5	F
642	14934	1	1			2	17	299.4 N	653.6 W	180	0	143	-334.8	F
643	14935	1	2			2	17	332.3 N	422.2 W	0	0	261	-333.8	F
643	14935	2	2			2	17	332.3 N	422.2 W	0	0	261	-333.8	F
644	14940	1	1			2	22	291.2 N	1395.3 W	325	0	138	-829.5	F
645	14941	1	1			2	22	285.5 N	1400 W	292	0	170.5	-829.5	F
646	14942	1	1			2	21	425.6 N	1294.3 W	180	80	40	-732.5	F
647	14943	1	1			2	21	350 N	1415 W		-90	48.5	-731	F
648	14944	1	2			2	17	307.5 N	175 W	0	0	278	-332	F
648	14944	2	2			2	17	307.5 N	175 W	0	0	278	-332	F
649	14945	1	1			2	21	340 N	1500 W		-90	47	-731	F
650	14946	1	1			2	17	288 N	0 E	0	0	145	-331	G
651	14947	1	2			2	17	258 N	174 W	180	0	111	-332	G
651	14947	2	2			2	17	258 N	174 W	180	0	111	-332	G
652	14948	1	2			2	17	220.3 N	224.8 E	180	0	300	-329.4	G
652	14948	2	2			2	17	220.3 N	224.8 E	180	0	300	-329.4	G
653	14949	1	2			2	17	290.5 N	499.4 W	180	0	299	-333.8	G
653	14949	2	2			2	17	290.5 N	499.4 W	180	0	299	-333.8	G
654	14950	1	3	0	137	2	22	1170 N	1940 W	35	-60	366	-830	G
654	14950	2	3	137	276	2	22	1170 N	1940 W	35	-60	366	-830	G
654	14950	3	3	276	366	2	22	1170 N	1940 W	35	-60	366	-830	G
655	14951	1	2			2	17	147.8 N	973.5 E	0	0	206	-325.5	G
655	14951	2	2			2	17	147.8 N	973.5 E	0	0	206	-325.5	G
656	14952	1	2			2	17	174 N	725.4 E	0	0	196	-326.3	G
656	14952	2	2			2	17	174 N	725.4 E	0	0	196	-326.3	G

APPENDIX A - 4

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
657	14953	1	2			2	15	289.1 N	398 W	180	0	300	-136	G
657	14953	2	2			2	15	289.1 N	398 W	180	0	300	-136	G
658	14954	1	1			2	15	240.5 N	100.5 W	180	0	152	-135	G
659	14955	1	2			2	15	262.3 N	240.8 W	180	0	251	-135.5	G
659	14955	2	2			2	15	262.3 N	240.8 W	180	0	251	-135.5	H
660	14956	1	1			2	17	263.3 N	224.8 E	0	0	117	-329.4	H
661	14957	1	2			2	12	243.8 N	652.7 W	180	0	300	174	H
661	14957	2	2			2	12	243.8 N	652.7 W	180	0	300	174	H
662	14958	1	2			2	22	728.7 N	1100 W	180	-30	397	-836	H
662	14958	2	2			2	22	728.7 N	1100 W	180	-30	397	-836	H
663	14959	1	1			2	12	206 N	400.6 W	180	0	273	176	H
664	14960	1	1			2	22	644.2 N	975 W	180	-44	251	-836	H
665	14961	1	1			2	12	158 N	151 W	180	0	177	177	H
666	14962	1	1			2	22	593.2 N	849 W	180	-60	343	-837	H
667	14963	1	2			2	12	227.4 N	150.1 W	0	0	314	177	H
667	14963	2	2			2	12	227.4 N	150.1 W	0	0	314	177	H
668	14964	1	2			2	22	1285.2 N	1846 W	45	0	288	-829	H
668	14964	2	2			2	22	1285.2 N	1846 W	45	0	288	-829	H
669	14965	1	3			2	12	249.5 N	400 W	0	0	451	176	H
669	14965	2	3			2	12	249.5 N	400 W	0	0	451	176	H
669	14965	3	3			2	12	249.5 N	400 W	0	0	451	176	H
670	14966	1	2			2	22	1165.3 N	1683.4 W	45	0	157	-830	H
670	14966	2	2			2	22	1165.3 N	1683.4 W	45	0	157	-830	H
671	14967	1	2			2	12	286.8 N	652.7 W	0	0	500	175	I
671	14967	2	2			2	12	286.8 N	652.7 W	0	0	500	175	I
672	14968	1	2	0	160	2	22	1166 N	1943 W	215	0	293	-827	I
672	14968	2	2	160	293	2	22	1166 N	1943 W	215	0	293	-827	I
673	14969	1	2			2	12	224 N	100 E	0	0	245	178	I
673	14969	2	2			2	12	224 N	100 E	0	0	245	178	I
674	14970	1	2			2	12	152.5 N	349.8 E	0	0	250	186	I
674	14970	2	2			2	12	152.5 N	349.8 E	0	0	250	186	I
675	14971	1	1			2	22	1357 N	1982 W	45	0	106	-828.3	I
676	14972	1	1			2	22	445.1 N	1299 W	154	45	201	-834.5	I
677	14973	1	1			2	12	120 N	597.4 E	0	0	140	187	I

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
678	14974	1	2			2	22	319.3 N	1296.5 W	334	38	265	-833.1	I
678	14974	2	2			2	22	319.3 N	1296.5 W	334	38	265	-833.1	I
679	14975	1	2			2	12	79.1 N	597.4 E	180	0	485	187	I
679	14975	2	2			2	12	79.1 N	597.4 E	180	0	485	187	I
680	14976	1	1			2	12	109.4 N	349.8 E	180	0	285	185.5	I
681	14977	1	2			2	22	241 N	1397 W	325	37	361	-833	I
681	14977	2	2			2	22	241 N	1397 W	325	37	361	-833	I
682	14978	1	1			2	15	230.8 N	1096 E	0	0	105	46.2	J
683	14979	1	1			2	15	235.3 N	724.4 E	0	0	101	46.4	J
684	14980	1	1			2	15	211.2 N	950.7 E	0	0	95	60.6	J
685	14981	1	2			2	17	120 N	1399.6 E	0	0	232	-323.1	J
685	14981	2	2			2	17	120 N	1399.6 E	0	0	232	-323.1	J
686	14982	1	1			2	17	119 N	1549.5 E	0	0	255	-322.4	J
687	14983	1	1			2	22	504 N	1123.4 E	180	0	223	-832.8	J
688	14984	1	1			2	12	53.3 N	1600.7 E	0	0	209.5	194.3	J
689	14985	1	1			2	22	502 N	950.4 W	180	0	207	-834	J
690	14986	1	1			2	7	77.2 N	540.6 E	0	0	136	480	J
691	14987	1	1			2	22	459 N	1300 W	304.4	0	90	-831.6	J
692	14988	1	2			2	7	69.3 N	685 E	0	0	262	479	J
692	14988	2	2			2	7	69.3 N	685 E	0	0	262	479	J
693	14989	1	1			2	22	446 N	1311.5 W	270	0	113	-831	J
694	14990	1	1			2	22	301.9 N	1350.8 W	345	0	143	829.6	J
695	14991	1	1	0	97	2	8	109 N	1547 E	30	-65	97	-385.5	J
696	14993	1	2			2	15	428.2 N	539.9 W	60	0	200	-132.3	J
696	14993	2	2			2	15	428.2 N	539.9 W	60	0	200	-132.3	J
697	14996	1	1			2	12	55 N	1133 E	0	0	216	192	K
698	14997	1	1			2	7	140.3 N	932.9 E	0	0	131	478.3	K
699	14998	1	1			2	7	86.3 N	848.6 E	340	0	190	478.3	K
700	14999	1	1			2	9	169.4 N	578.5 E	0	0	128	294.5	K
701	15000	1	1			2	12	53.7 N	1350.6 E	0	0	204	193.4	K
702	15001	1	1			2	9	167.5 N	750.2 E	0	0	125	293.4	K
703	15002	1	2			2	9	153.5 N	750.2 E	180	0	490	293.4	K
703	15002	2	2			2	9	153.5 N	750.2 E	180	0	490	293.4	K

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SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
704	15003	1	2			2	9	153.9 N	578.5 E	180	0	471	294.5	K
704	15003	2	2			2	9	153.9 N	578.5 E	180	0	471	294.5	K
705	15004	1	1			2	12	52.3 N	1850.4 E	0	0	363	197.7	K
706	15005	1	1			2	12	230.5 N	614.4 E	0	0	110	192.3	K
707	15006	1	1			2	12	40 N	2095.5 E	0	0	208	199.7	K
708	15007	1	1			2	12	22.3 N	1850.4 E	180	0	250	197.7	K
709	15008	1	2			2	12	29 N	2095.5 E	180	0	265	199.7	K
709	15008	2	2			2	12	29 N	2095.5 E	180	0	265	199.7	K
710	15009	1	1			2	12	10.4 N	1600.7 E	180	0	230	195.7	K
711	15010	1	1	0	175	2	12	9.7 N	1350.6 E	180	0	175	193.4	K
711	15010	1	3	176		2,5	12	9.7 N	1350.6 E	180	0	913	193.4	K
711	15010	2	3			2,5	12	9.7 N	1350.6 E	180	0	913	193.4	K
711	15010	3	3		913	2,5	12	9.7 N	1350.6 E	180	0	913	193.4	K
712	15011	1	1			2	12	13.6 N	1130.7 E	180	0	200	192	L
713	15013	1	1			2	12	49.6 N	835.8 E	180	0	203	189.7	L
714	15014	1	2			2	12	179 N	100.6 E	180	0	296	183.6	L
714	15014	2	2			2	12	179 N	100.6 E	180	0	296	183.6	L
715	15015	1	1	0	277	2	17	128.5 N	725.4 E	180	0	277	-325.9	L
716	15016	1	1			2	17	93 N	1550.6 E	180	0	250	-320.2	L
717	15017	1	3			2	22	1090.6 N	1852.8 W	175	0	494	-827.6	L
717	15017	2	3			2	22	1090.6 N	1852.8 W	175	0	494	-827.6	L
717	15017	3	3			2	22	1090.6 N	1852.8 W	175	0	494	-827.6	L
718	15019	1	1			2	19	274.9 N	154 W	180	0	130	-530.5	L
719	15021	1	1			2	19	298.5 N	400.5 W	180	0	144	-531.7	L
720	15022	1	2			2	19	337 N	397 W	0	0	286	-531.7	L
720	15022	2	2			2	19	337 N	397 W	0	0	286	-531.7	L
721	15023	1	2			2	17	345.8 N	623.9 W	0	0	286	-334.3	L
721	15023	2	2			2	17	345.8 N	623.9 W	0	0	286	-334.3	L
722	15024	1	1			2	19	325 N	651.2 W	180	0	168	-532	L
723	15025	1	1			2	17	86.8 N	1134.4 E	180	0	250	-323.8	L
724	15026					2,4	10	278 N	345 W	0	0	270	375.3	K
724	15026	1	3			2	10	278 N	345 W	0	0	511	375.3	L
724	15026	2	3			2	10	278 N	345 W	0	0	511	375.3	L
724	15026	3	3			2	10	278 N	345 W	0	0	511	375.3	L

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
725	15027					2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027					2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027					2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027			207	212	2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027			212	217	2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027			217	220	2,4	10	234.4 N	354.4 W	180	0	247	375.3	K
725	15027	1	3			2	10	234.4 N	354.4 W	180	0	247	375.3	M
725	15027	2	3			2	10	234.4 N	354.4 W	180	0	247	375.3	M
725	15027	3	3			2	10	234.4 N	354.4 W	180	0	247	375.3	M
726	15028	1	1			2	13	223.5 N	1069 W	180	0	300	62.5	M
727	15029	1	1			2	10	195.3 N	621.7 W	180	0	327	373.2	M
728	15030	1	1			2	22	1280.8 N	1842.7 W	30	0	101	-715.4	M
729	15031	1	2			2	10	280.5 N	50.4 W	180	0	342	377.7	M
729	15031	2	2			2	10	280.5 N	50.4 W	180	0	342	377.7	M
730	15032	1	2			2	19	320 N	132.8 W	180	60	210	-532.3	M
730	15032	2	2			2	19	320 N	132.8 W	180	60	210	-532.3	M
731	15033	1	1			2	19	328.5 N	134.8 W	0	0	288	-529.2	M
732	15034	1	1			2	10	270.5 N	193.3 E	0	0	252	-526.6	M
733	15035	1	1			2	10	235.9 N	498.3 E	0	0	182	-525.3	M
734		1				6	21							T
734		1				6	21							T
734		2				6	21							T
734		3				6	21							T
734	15036	1	2			2	19	193.9 N	499.3 E	180	0	302	-525.3	M
734	15036	2	2			2	19	193.9 N	499.3 E	180	0	302	-525.3	M
735	15037	1	2			2	19	227.5 N	192.2 E	180	0	300	-526.2	M
735	15037	2	2			2	19	227.5 N	192.2 E	180	0	300	-526.2	M
736	15038	1	5			2	10	319.6 N	198.1 E	0	0	1074	380	M
736	15038	2	5			2	10	319.6 N	198.1 E	0	0	1074	380	M
736	15038	3	5			2	10	319.6 N	198.1 E	0	0	1074	380	N
736	15038	4	5			2	10	319.6 N	198.1 E	0	0	1074	380	N
736	15038	5	5			2	10	319.6 N	198.1 E	0	0	1074	380	N
737	15039	1	2			2	17	202 N	386.8 E	165	0	345	-328.1	N
737	15039	2	2			2	17	202 N	386.8 E	165	0	345	-328.1	N

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SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
738	15047	1	1			2	19	174 N	801.4 E	180	0	326	-523.8	N
739	15057	1	2			2	19	195 N	801.4 E	0	0	207	-523.8	N
739	15057	2	2			2	19	195 N	801.4 E	0	0	207	-523.8	N
740	15064	1	2			2	10	250.5 N	485.9 W	0	0	322	373.4	N
740	15064	2	2			2	10	250.5 N	485.9 W	0	0	322	373.4	N
741	15065	1	1			2	17	202 N	330.5 W	22	0	42	-247.5	N
742	15074	1	1			2	17	208 N	405 W	0	0	91	-245.5	N
743	15073	1	2			2	10	260.5 N	200 E	180	0	350	380	N
743	15073	2	2			2	10	260.5 N	200 E	180	0	350	380	N
744	15078	1	2			2	10	216.5 N	424 E	180	0	449	381.1	N
744	15078	2	2			2	10	216.5 N	424 E	180	0	449	381.1	N
745	15079	1	1			2	10	375 N	5 W	195	0	51	379.5	N
746	15080	1	1			2	9	114.6 N	1200.3 E	0	0	193	372.7	N
747	15081	1	1			2	8	186 N	938.9 E	0	0	160	384.7	O
748	15083	1	1			2	9	100.5 N	1200.3 E	180	-45	99	368.7	O
749	15084	1	1			2	8	162.5 N	455.5 W	195	0	245	533.7	O
750	15085	1	2			2	15	206.9 N	174.4 E	180	0	350	-134	O
750	15085	2	2			2	15	206.9 N	174.4 E	180	0	350	-134	O
751	15088	1	2			2	8	23.6 N	1172.4 E	180	0	321	388.8	O
751	15088	2	2			2	8	23.6 N	1172.4 E	180	0	321	388.8	O
752	15089	1	3			2	8	62.8 N	687.6 E	180	0	401	384.5	O
752	15089	2	3			2	8	62.8 N	687.6 E	180	0	401	384.5	O
752	15089	3	3			2	8	62.8 N	687.6 E	180	0	401	384.5	O
753	15090	1	2			2	8	121 N	90.4 W	180	0	195	534.5	O
753	15090	2	2			2	8	121 N	90.4 W	180	0	195	534.5	O
754	15094	1	1			2	8	124.1 N	228.7 W	180	0	265	534	O
755	15096	1	3			2	6	181.3 N	547.9 E	180	0	449	640.4	O
755	15096	2	3			2	6	181.3 N	547.9 E	180	0	449	640.4	O
755	15096	3	3			2	6	181.3 N	547.9 E	180	0	449	640.4	O
756	15098	1												O
756	15099	1	2			2	6	114.7 N	741.3 E	180	0	406	643.5	O
756	15099	2	2			2	6	114.7 N	741.3 E	180	0	406	643.5	P
757	15105	1	2			2	8	112 N	932 E	180	0	540	384	P
757	15105	2	2			2	8	112 N	932 E	180	0	540	384	P

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SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
758	15112	1	1			2	10	275.4 N	340.4 W	35	0	358	384.8	P
759	15116	1	2			2	10	4.4 N	378.6 W	315	0	221	393.1	P
759	15116	2	2			2	10	4.4 N	378.6 W	315	0	221	393.1	P
760	15128	1	2			2	12	267 N	551.2 W	0	0	308	179.5	P
760	15128	2	2			2	12	267 N	551.2 W	0	0	308	179.5	P
761	15130	1	2			2	10	80.4 N	1189 W	180	0	500	373	P
761	15130	2	2			2	10	80.4 N	1189 W	180	0	500	373	P
762	15137	1	1			2	12	209 N	395.5 W	135	0	240	180.5	P
763	15140	1	1			2	8	121.9 N	87.1 W	135	0	211	534.5	P
764	15142	1	2			2	5	6 N	911 W	170	0	409	640	P
764	15142	2	2			2	5	6 N	911 W	170	0	409	640	P
765	15153	1	2			2	17	297.6 N	1032.9 W	180	0	469	-334	P
765	15153	2	2			2	17	297.6 N	1032.9 W	180	0	469	-334	P
766	15151	1	2			2	22	118 N	157 W	35	-60	412	-829.5	P
766	15151	2	2			2	22	118 N	157 W	35	-60	412	-829.5	P
767		1				4								
767	15160	1	2			2	18	232 N	1376 W	165	0	740	-427	Q
767	15160	2	2			2	18	232 N	1376 W	165	0	740	-427	Q
768	15171	1	2			2	17	108.5 N	1772.7 E	0	0	303	-323.5	Q
768	15171	2	2			2	17	108.5 N	1772.7 E	0	0	303	-323.5	Q
769	15172	1	2			2	18	711 N	1744.1 W	0	45	359	-419	Q
769	15172	2	2			2	18	711 N	1744.1 W	0	45	359	-419	Q
770	15188	1	2			2	17	84 N	1772.7 E	180	0	408	-323.5	Q
770	15188	2	2			2	17	84 N	1772.7 E	180	0	408	-323.5	Q
771	15195	1	2			2	18	707.2 N	1800 W	270	0	32	-426	Q
771	15195	2	2			2	18	707.2 N	1800 W	270	0	302	-426	Q
772	15196	1	2			2	18	711 N	1744.1 W	0	-45	258	-429	Q
772	15196	2	2			2	18	711 N	1744.1 W	0	-45	258	-429	Q
773	15203	1	1			2	19	41 N	275 E	0	0	50	-523	Q
774	15207	1	2			2	12	35.7 N	2281.1 E	0	0	273	200.7	Q
774	15207	2	2			2	12	35.7 N	2281.1 E	0	0	273	200.7	Q
775	15216	1	1			2	21	382.2 N	457.4 W	180	0	207	-732	Q
776	15223	1	1			2	21	328.7 N	202.1 W	180	0	142	-730.7	Q

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
777	15225	1	2			2	21	421.9 N	448.3 W	0	0	275	-731.9	Q
777	15225	2	2			2	21	421.9 N	448.3 W	0	0	275	-731.5	R
778	15241	1	1			2	21	373.2 N	202.1 W	0	0	310	-730	R
779	15243	1	2			2	0	95.7 N	175 W	180	-55	325	984.5	R
779	15243	2	2			2	0	95.7 N	175 W	180	-55	325	984.5	R
780	15250	1	2			2	12	20.7 N	2283.1 E	165	0	328	200.7	R
780	15250	2	2			2	12	20.7 N	2283.1 E	165	0	328	200.7	R
781	15257	1	2			2	21	278.3 N	44.6 E	180	0	308	-728.8	R
782	15270	1	2			2	21	321.6 N	40.5 E	0	0	303	-728.5	R
782	15270	2	2			2	21	321.6 N	40.5 E	0	0	303	-728.5	R
783	15271	1	2			2	0	380 S	700 W	0	-37	526	926	R
783	15271	2	2			2	0	380 S	700 W	0	-37	526	926	R
784	15276	1	2			2	0	500.4 S	1150 W	0	-35	430	929.2	R
784	15276	2	2			2	0	500.4 S	1150 W	0	-35	430	929.2	R
785	15300	1	1			2	0	0 N	49 E	180	-35	296	980	R
786	15302	1	1			2	0	28 N	390 W	180	-15	296	949	R
787	15315	1	2			2	8	363.9 N	147.4 W	21	0	300	536.6	R
787	15315	2	2			2	8	363.9 N	147.4 W	21	0	300	536.6	R
788	15329	1	2			2	8	315.2 N	14.8 W	31	0	241	536.7	S
788	15329	2	2			2	8	315.2 N	14.8 W	31	0	241	536.7	S
789		1	2			2	8	323.5 N	111.5 W	187	23	450	545	S
789		2	2			2	8	323.5 N	111.5 W	187	23	450	545	S
790		1	1			2	21	271.5 N	293.6 E	0	0	225	-733	S
791		1	3			2	19	184.6 N	805.3 E	50	-45	442	-527.5	S
791		2	3			2	19	184.6 N	805.3 E	50	-45	442	-527.5	S
791		3	3			2	19	184.6 N	805.3 E	50	-45	442	-527.5	S
792		1	1			2	0	80 N	76.5 W	180	-20	275	968.1	V
793		1	1			2	0	0 N	275 W	180	-30	227	994.9	V
794		1	2			2	12	264 N	95.1 E	20	-50	232	181	U
794		2	2			2	12	264 N	95.1 E	20	-50	232	181	U
795		1	2			2	12	305 N	153 W	45	-45	310	181	V
795		2	2			4	12	305 N	153 W	45	-45	310	181	V
796		1	1			2	12	37.1 N	1723.7 E	0	20	252	200	V
797		1	1			2	17	109.8 N	1998.4 E	0	0	300	-319	S

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SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
798		1				2	17	90.8 N	1998.9 E	180	0	377	-319	V
798		4				2	17	90.8 N	1998.9 E	180	0	377	-319	V
799		1				2	19	377.7 N	794.5 W	40	0	440	-533	S
799		3				2	19	377.7 N	794.5 W	40	0	440	-533	V
799		5				2	19	377.7 N	794.5 W	40	0	440	-533	S
800		1	1		326	2	21	399.5 N	455.6 E	0	-40	326	-734.8	S
801		1	1		360	2	21	374 N	202 E	0	-40	360	-732.5	S
802		1	1		281	2	8	630 N	690 E	165	0	281	384.5	S
803		1	1		306	2	8	61 N	687 E	195	0	306	384.5	S
804		1	1		225	2	19	231 N	186.5 E	220	0	225	-528	S
806	16202	1	1		270	2	19	227.2 N	194.4 E	165	-30	270	-528.2	U
807	16205	1	1		122	2	25	1293.6 N	1838.4 W	274	0	122	-1128.9	U
808		1	1		174	2	25	1234.7 N	1842.7 W	220	0	174	-1129.7	S
809	16236	1	1		160	2	25	1275 N	1849 W	240	0	160	-1128.4	U
810	16246	1	1		500	2	25	707 N	1087 W	220	0	500	-1136	U
811	16301	1	1		313	2	21	247 N	296.5 E	165	-50	313	-729	U
812	16302	1	2			2	25	1425 N	1934 W	220	0	211	-1131.4	U
812	16302	2	2		211	2	25	1425 N	1934 W	220	0	211	-1131.4	U
813	16356	1	1		240	2	17	326 N	621 W	160	-45	240	-337	U
814	16357	1	1		171	2	23	277 N	448.5 W	0	0	171	-934.6	S
815	16378	1	1		360	2	17	119.5 N	1550.3 E	0	-45	360	-325.4	S
816		1	1		62	2	17	105 N	1998.3 E	0	-45	62	-322	S
817		1	2			2,8	25	1419 N	1938 W	205	35	253	-1125.47	FLOOR
817		2	2		252	2,8	25	1419 N	1938 W	205	35	253	-1125.47	FLOOR
818		1	1		200	2,8	17	90.5 N	1947.4 E	0	-50	200	-322.5	FLOOR
819		1	1		280	2,8	22	1172 N	1942 W	340	-45	280	-830	FLOOR
820		1	2			2,8	22	1225.8 N	1834.9 W	222	-88	125	-829	FLOOR
820		2	2		125	2,8	22	1225.8 N	1834.9 W	222	-88	125	-829	FLOOR
821		1	5			2,8	22	1325 N	1997 W	205	-78	298	-826.4	FLOOR
821		2	5			2,8	22	1325 N	1997 W	205	-78	298	-826.4	FLOOR
821		3	5			2,8	22	1325 N	1997 W	205	-78	298	-826.4	FLOOR
821		4	5			2,8	22	1325 N	1997 W	205	-78	298	-826.4	FLOOR
821		5	5		298	2,8	22	1325 N	1997 W	205	-78	298	-826.4	FLOOR

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
822		1	3			2,8	25	1489.5 N	2072.5 W	205	0	625	-1129.9	FLOOR
822		2	3			2,8	25	1489.5 N	2072.5 W	205	0	625	-1129.9	FLOOR
822		3	3		625	2,8	25	1489.5 N	2072.5 W	205	0	625	-1129.9	FLOOR
823		1	2			2,8	25	1555 N	2209.5 W	205	0	250	-1129.1	FLOOR
823		2	2		250	2,8	25	1555 N	2209.5 W	205	0	250	-1129.1	FLOOR
824		1	2			2,8	12	852 N	24 W	0	0	575	186	FLOOR
824		2	2		575	2	12	852 N	24 W	0	0	575	186	Y
825		1	2			2	0	1300 N	198 E	180	-50	504	888.31	X
825		2	2		504	2	0	1300 N	198 E	180	-50	504	888.31	X
826		1	1			2	23	307 N	185.2 W	0	0	100	-931	X
827		1	2			2	12	914.5 N	0.3 E	0	55	343	196.3	X
827		2	2		343	2	12	914.5 N	0.3 E	0	55	343	196.3	X
828		1	1			2	21	230.1 N	442.9 E	38	0	258	-724.2	X
830		1	4			2	25	1465.5 N	2314.6 W		-90	151	-1135.8	X
830		2	4			2,8	25	1465.5 N	2314.6 W		-90	151	-1135.8	FLOOR
830		3	4			2	25	1465.5 N	2314.6 W		-90	151	-1135.8	X
830		4	4		151	2	25	1465.5 N	2314.6 W		-90	151	-1135.8	X
831		1	1		310	2,8	25	1579.8 N	2227 W	245	-55	310	-1133.7	FLOOR
832		1	2			2	25	1576.9 N	2223.4 W	245	-40	391	-1135	X
832		2	2		391	2	25	1576.9 N	2223.4 W	245	-40	391	-1135	X
833		1	1		144	2	25	3740 N	641.4 W	40	0	144	-1137.5	X
834		1	2			2	25	1237.7 N	1659.4 W	195	0	428	-1128.1	X
834		2	2		428	2	25	1237.7 N	1659.4 W	195	0	428	-1128.1	X
835		1	1		218	2	12	306.2 N	156.8 W	15	-48	218	182.3	Y
836		1	2			2	12	921 N	249.1 E	0	0	500		Y
836		2	2		500	2	12	921 N	249.1 E	0	0	500		Y
837		1	2			2	12	919.9 N	500.4 E	0	0	500	189.6	Y
837		2	2		500	2	12	919.9 N	500.4 E	0	0	500	189.6	Y
838		1				2	0	1301.2 N	48.6 W	180	-50	500	894.7	X
838		2				2	0	1301.2 N	48.6 W	180	-50	500	894.7	X
838		7				2	0	1301.2 N	48.6 W	180	-50	500	894.7	X
839		1	2			2	0	1299.2 N	500.3 E	180	-50	500	883.9	Y
839		2	2		500	2	0	1299.2 N	500.3 E	180	-50	500	883.9	Y

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
840		1	2			2	12	917.4 N	249.5 E	0	60	327	195.9	X
840		2	2		327	2	12	917.4 N	249.5 E	0	60	327	195.9	Y
841		2	2		200	2	19	325.1 N	649 W	180	30	200	-527.7	X
842		1	1		200	2	19	308.6 N	499.2 W	180	30	200	-525.4	X
843		1	2			2	12	922.9 N	752.1 E	0	0	500	192	X
843		2	2		500	2	12	922.9 N	752.1 E	0	0	500	192	Y
844		1	2	0	215	2	19	224.7 N	1069.6 E	180	0	380	-519.6	Y
844		2	2	215	380	2	19	224.7 N	1069.6 E	180	0	380	-519.6	X
845		1	2			2	12	921.9 N	1 E	0	-60	600	183.7	X
845		2	2		600	2	12	921.9 N	1 E	0	-60	600	183.7	X
846		1	2			2	12	910.8 N	997.1 E	0	0	540	193.9	X
846		2	2		540	2	12	910.8 N	997.1 E	0	0	540	193.9	X
847		1	3	0	215	2	12	905.6 N	997.6 E	0	-50	611	189.8	X
847		2	3			2	12	905.6 N	997.6 E	0	-50	611	189.8	X
847		3	3		611	2	12	905.6 N	997.6 E	0	-50	611	189.8	X
848		1	3			2	12	919 N	250 E	0	-60	579	185	X
848		2	3			2	12	919 N	250 E	0	-60	579	185	X
848		3	3		579	2	12	919 N	250 E	0	-60	579	185	X
849		1	2	0	235	2	12	909.3 N	997.4 E	0	50	402	200	X
849		2	2	240	402	2	12	909.3 N	997.4 E	0	50	402	200	X
850				360	545	2								X
850		1	2	0	280	2	21	316.7 N	570.1 E	180	0	420	-721.8	X
850		2	2	280	420	2	21	316.7 N	570.1 E	180	0	420	-721.8	X
851		1	2	0	235	2	12	918.5 N	499.8 E	0	50	409	196.3	X
851		2	2	239	409	2	12	918.5 N	499.8 E	0	50	409	196.3	X
852		1	3			2	12	920 N	752.1 E	0	-50	617	186.9	X
852		2	3			2	12	920 N	752.1 E	0	-50	617	186.9	X
852		3	3		617	2	12	920 N	752.1 E	0	-50	617	186.9	W
853		7												V
853		1	2			2	12	921.8 N	752.1 E	0	47	405	197.8	W
853		2	2		405	2	12	921.8 N	752.1 E	0	47	405	197.8	W
854		1	4			2	12	916.7 N	500.6 E	0	-50	600	186.7	W
854		2	4			2	12	916.7 N	500.6 E	0	-50	600	186.7	W
854		3	4			2	12	916.7 N	500.6 E	0	-50	600	186.7	W

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
854		4	4		600	2	12	916.7 N	500.6 E	0	-50	600	186.7	W
855		5				2	0	1300.6 N	100.4 E	180	-45	500	889.8	X
855		6				2	0	1300.6 N	100.4 E	180	-45	500	889.8	X
855		1	4	17		2	0	1300.6 N	100.4 E	180	-45	500	889.8	W
855		2	4			2	0	1300.6 N	100.4 E	180	-45	500	889.8	W
856		1	2	10	325	2	0	1400.7 N	199.9 E	180	-45	465	874.4	X
856		2	2	325	465	2	0	1400.7 N	199.9 E	180	-45	465	874.4	W
857		1	3	0	272	2	0	1300.9 N	351.2 E	180	-50	500	888.4	W
857		2	3	272		2	0	1300.9 N	351.2 E	180	-50	500	888.4	W
857		3	3		500	2	0	1300.9 N	351.2 E	180	-50	500	888.4	Y
858		1	2	12		2	0	1401.7 N	203.1 E	180	-55	545	875	W
858		2	2		545	2	0	1401.7 N	203.1 E	180	-55	545	875	Y
859		1	2	8		2	0	1201.5 N	199.3 E	180	-50	325	909.6	X
859		2	2		325	2	0	1201.5 N	199.3 E	180	-50	325	909.6	X
860		1												X
860		2												X
860		1	3			2	15	37.3 N	1251 E	180	0	500	-128.1	X
860		2	3			2	15	37.3 N	1251 E	180	0	500	-128.1	X
860		3	3		500	2	15	37.3 N	1251 E	180	0	500	-128.1	X
861		1	5			2	25	1105.7 N	1398.4 W	180	0	756	-1132.4	X
861		2	5			2	25	1105.7 N	1398.4 W	180	0	756	-1132.4	X
861		3	5			2	25	1105.7 N	1398.4 W	180	0	756	-1132.4	X
861		5	5		756	2	25	1105.7 N	1398.4 W	180	0	756	-1132.4	X
862		1	3	0	170	2	25	326.8 N	601.8 W	0	-50	320	-1139.8	X
862		2	3	170	240	2	25	326.8 N	601.8 W	0	-50	320	-1139.8	X
862		3	3	240	321	2	25	326.8 N	601.8 W	0	-50	320	-1139.8	X
863		3	4			2	25	1106.3 N	1400.8 W	198	0	800	-1132.6	X
863		4	4		800	2	25	1106.3 N	1400.8 W	198	0	800	-1132.6	X
864		1	3	0	145	2	23	388.8 N	608.9 W	0	0	400	-933.2	W
864		2	3	145	335	2	23	388.8 N	608.9 W	0	0	400	-933.2	W
864		3	3	335	400	2	23	388.8 N	608.9 W	0	0	400	-933.2	W
865		1	3	0	165	2	23	265.3 N	296.3 W	0	0	250	-930.8	W
865		2	3	165	210	2	23	265.3 N	296.3 W	0	0	250	-930.8	W

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
865		3	3	210	250	2	23	265.3 N	296.3 W	0	0	250	-930.8	W
866		1	3			2	25	1105.8 N	1396.4 W	165	0	345	-1132.6	W
866		2	3			2	25	1105.8 N	1396.4 W	165	0	345	-1132.6	W
866		3	3		345	2	25	1105.8 N	1396.4 W	165	0	345	-1132.6	W
867		1	2	0	155	2	23	254.6 N	366.4 E	170	0	220	-931.3	W
867		2	2	155	220	2	23	254.6 N	366.4 E	170	0	220	-931.3	W
868		1	3	0	160	2	23	255.9 N	297.2 E	180	-60	350	-933.6	W
868		2	3	160	270	2	23	255.9 N	297.2 E	180	-60	350	-933.6	W
868		3	3	270	350	2	23	255.9 N	297.2 E	180	-60	350	-933.6	W
869		1	2			2	21	208.6 N	232.4 W	0	-60	172	-729.8	W
869		2	2		172	2	21	208.6 N	232.4 W	0	-60	172	-729.8	W
870		1	2	0	135	2	19	212.2 N	1397.7 E	0	0	187	-518	U
870		2	2	135	189	2	19	212.2 N	1397.7 E	0	0	187	-518	U
871		1	3	0	120	2	23	174 N	48 E	0	0	361	-931	V
871		2	3	120	280	2	23	174 N	48 E	0	0	361	-931	V
871		3	3	280	360	2	23	174 N	48 E	0	0	361	-931	V
872		1	2			2	19	218.7 N	1251.4 E	0	0	151	-518.7	W
872		2	2		151	2	19	218.7 N	1251.4 E	0	0	151	-518.7	W
873		1	5			2	12	310.1 N	877.2 W	345	0	671	178.2	W
873		2	5			2	12	310.1 N	877.2 W	345	0	671	178.2	W
873		3	5			2	12	310.1 N	877.2 W	345	0	671	178.2	W
873		4	5			2	12	310.1 N	877.2 W	345	0	671	178.2	W
873		5	5		671	2	12	310.1 N	877.2 W	345	0	671	178.2	W
874		1	3			2	10	277.2 N	343 W	20	0	502	375.5	W
874		2	3			2	10	277.2 N	343 W	20	0	502	375.5	W
874		3	3		502	2	10	277.2 N	343 W	20	0	502	375.5	W
875		1	4			2	10	259.1 N	355.5 W	340	0	555	375.4	W
875		3	4			2	10	259.1 N	355.5 W	340	0	555	375.4	W
875		4	4		375.4	2	10	259.1 N	355.5 W	340	0	555	375.4	W
876		1	5			2	10	271.6 N	807.3 W	0	0	616	367	W
876		2	5			2	10	271.6 N	807.3 W	0	0	616	367	Y
876		3	5			2	10	271.6 N	807.3 W	0	0	616	367	Y
876		4	5			2	10	271.6 N	807.3 W	0	0	616	367	Y
876		5	5		367	2	10	271.6 N	807.3 W	0	0	616	367	Y

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MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
877		1	3	0	205	2	12	306.7 N	862.5 W	0	0	607	178.3	Y
877		2	3	205	430	2	12	306.7 N	862.5 W	0	0	607	178.3	Y
877		3	3	430	607	2	12	306.7 N	862.5 W	0	0	607	178.3	Y
878		1	3	0	160	2	25	1240.1 N	1659.2 W	190	-35	580	-1132.5	Y
878		2	3	160	365	2	25	1240.1 N	1659.2 W	190	-35	580	-1132.5	Y
878		3	3	365	580	2	25	1240.1 N	1659.2 W	190	-35	580	-1132.5	Y
879		1	4	0	136	2	25	1244.7 N	1834.2 W	205	-45	475	-1133.7	Y
879		2	4	136	180	2	25	1244.7 N	1834.2 W	205	-45	475	-1133.7	Y
879		3	4	180	355	2	25	1244.7 N	1834.2 W	205	-45	475	-1133.7	Y
879		4	4	355	475	2	25	1244.7 N	1834.2 W	205	-45	475	-1133.7	Y
880		1	3	0	215	2	25	1353.4 N	2127.9 W	205	-45	400	-1133.2	Y
880		2	3	215	345	2	25	1353.4 N	2127.9 W	205	-45	400	-1133.2	Y
880		3	3	345	400	2	25	1353.4 N	2127.9 W	205	-45	400	-1133.2	Y
881		1	1	0	130	2	21	370.7 N	594.4 W	153	0	130	-733.1	Y
882		1	1	0	60	2	21	319 N	607 W	162	0	60	-733.8	Y
883		3												V
883		1	1	0	136	2	23	375.7 N	519.6 E	15	0	136	-930.5	Y
884		1	3	0	140	2	23	374.8 N	524.8 E	61.5	0	251	-930.2	Y
884		2	3	140	221	2	23	374.8 N	524.8 E	61.5	0	251	-930.2	Y
884		3	3	221	251	2	23	374.8 N	524.8 E	61.5	0	251	-930.2	Y
885		1	3	0	155	2	12	730.7 N	1277.2 W	37.5	0	300	179.9	Y
885		2	3	155	250	2	12	730.7 N	1277.2 W	37.5	0	300	179.9	Y
885		3	3	250	370	2	12	730.7 N	1277.2 W	37.5	0	300	179.9	Y
886		1	1	0	94	2	25	1557.3 N	2450.2 W	239.5	0	94	-1127.5	Y
887		1	2	0	220	2	21	414.3 N	596.1 W	196	35	265	-728.4	Y
887		2	2	220	265	2	21	414.3 N	596.1 W	196	35	265	-728.4	Y
888		1	2	0	190	2	21	412.8 N	598.9 W	225	30	306	-728.4	Y
888		2	2	190	306	2	21	412.8 N	598.9 W	225	30	306	-728.4	Y
889		1	1	0	147	2	21	281.3 N	44.7 E	180	-40	147	-729	Y
890		1	3	0	160	2	27	546 N	1202.3 W	180	0	563	-1336.7	Y
890		2	3	160	325	2	27	546 N	1202.3 W	180	0	563	-1336.7	Y
890		3	3	325	563	2	27	546 N	1202.3 W	180	0	563	-1336.7	Y
891		1	3	0	210	2	27	601.7 N	1399.7 W	180	0	611	-1337	Y
891		2	3	210	450	2	27	601.7 N	1399.7 W	180	0	611	-1337	Y

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
891		3	3	450	611	2	27	601.7 N	1399.7 W	180	0	611	-1337	Y
892		1	3	0	175	2	27	658 N	1400 W	0	0	440	-1337	W
892		2	3	175	345	2	27	658 N	1400 W	0	0	440	-1337	Y
892		3	3	345	440	2	27	658 N	1400 W	0	0	440	-1337	Y
893		1	3	0	170	2	27	701.4 N	1600.1 W	10	0	417	-1334.5	Y
893		2	3	170	320	2	27	701.4 N	1600.1 W	10	0	417	-1334.5	W
893		3	3	320	417	2	27	701.4 N	1600.1 W	10	0	417	-1334.5	Y
894		1	2	0	94	2	23	383.5 N	743 E	40	0	125	-929.1	W
894		2	2	95	125	2	23	383.5 N	743 E	40	0	125	-929.1	W
895		1	2	0	170	2	25	1526.9 N	2478.5 W	190	0	246	-1127	W
895		2	2	170	246	2	25	1526.9 N	2478.5 W	190	0	246	-1127	Y
896		1	2	0	145	2	25	1345 N	1998.6 W	140	0	248	-1030.4	Y
896		2	2	145	248	2	25	1345 N	1998.6 W	140	0	248	-1030.4	W
897				0	27	4								V
897		1	3	0	170	2	27	841.4 N	1874.3 W	25	0	465	-1333.2	W
897		2	3	170	350	2	27	841.4 N	1874.3 W	25	0	465	-1333.2	W
897		3	3	350	465	2	27	841.4 N	1874.3 W	25	0	465	-1333.2	W
898				0	22									V
898		1	2	0	115	2	27	407.8 N	430.8 W	65	0	165	-1335.3	V
898		2	2	115	165	2	27	407.8 N	430.8 W	65	0	165	-1335.3	V
899		1	3	0	152	2	12	804.6 N	1321.7 W	68.3	0	360	179.5	V
899		2	3	152	273	2	12	804.6 N	1321.7 W	68.3	0	360	179.5	V
899		3	3	273	360	2	12	804.6 N	1321.7 W	68.3	0	360	179.5	V
900		1	2	0	200	2	12	745 N	1287 W	68.3	0	284	179.2	W
900		2	2	200	284	2	12	745 N	1287 W	68.3	0	284	179.2	W
901		1	3	0	230	2	27	1024 N	2123 W	25	0	591	-1331.4	V
901		2	3	230	340	2	27	1024 N	2123 W	25	0	591	-1331.4	V
901		3	3	340	591	2	27	1024 N	2123 W	25	0	591	-1331.4	V
902		1	1	0	138	2	23	374 N	1000 E	0	0	138	-925.4	V
903		1	3	0	156	2	27	1254.6 N	2440.8 W	20	0	360	-1329.8	V
903		2	3	156	240	2	27	1254.6 N	2440.8 W	20	0	360	-1329.8	V
903		3	3	240	360	2	27	1254.6 N	2440.8 W	20	0	360	-1329.8	V
904		1	4	0	170	2	27	863 N	2000 W	180	0	775	-1333	V
904		2	4	170	378	2	27	863 N	2000 W	180	0	775	-1333	V

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
904		3	4	378	578	2	27	863 N	2000 W	180	0	775	-1333	V
904		4	4	578	775	2	27	863 N	2000 W	180	0	775	-1333	V
905		1	1	0	300	2	23	259.9 N	366.2 E	170	-60	300	-933.6	U
906		1	2	0	280	2	23	384.3 N	523 E	189	-45	426	-932.6	W
906		2	2	280	426	2	23	384.3 N	523 E	189	-45	426	-932.6	W
907		1	2	0	255	2	23	354.8 N	802.2 E	180	0	413	-927.5	W
907		2	2	255	413	2	23	354.8 N	802.2 E	180	0	413	-927.5	W
909		1	2	0	208	2	27	1299.4 N	2557.3 W	20	0	310	-1328.7	W
909		2	2	208	310	2	27	1299.4 N	2557.3 W	20	0	310	-1328.7	W
910		1	2	0	255	2	27	1298.7 N	2561.8 W	340	0	370	-1328.8	V
910		2	2	255	370	2	27	1298.7 N	2561.8 W	340	0	370	-1328.8	V
911		1	3	0	220	2	23	323 N	646 E	326	-45	417		U
911		2	3	220	377	2	23	323 N	646 E	326	-45	417		U
911		3	3	377	417	2	23	323 N	646 E	326	-45	417		U
912		1		0	195	2	23	323 N	649 E	0	-50			U
912		2		195		2	23	323 N	649 E	0	-50			U
913		1	3	0	220	2	23	311 N	998 E	0	-50	423		U
913		2	3	220	300	2	23	311 N	998 E	0	-50	423		U
913		3	3	300	423	2	23	311 N	998 E	0	-50	423		U
914		1	3	0	220	2	23	294 N	998 E	35	-45	526		U
914		2	3	220	340	2	23	294 N	998 E	35	-45	526		U
914		3	3	340	526	2	23	294 N	998 E	35	-45	526		U
915		1	2	0	180	2	23	319 N	1000 E	0	60	260		U
915		2	2	180	260	2	23	319 N	1000 E	0	60	260		U
916		1	2	0	85	2	23	353 N	1201 E	0	0	181		U
916		2	2	85	181	2	23	353 N	1201 E	0	0	181		U
917	18882	1	35	0	73	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	2	35	73	126	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	3	35	126	150	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	4	35	150	168	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	5	35	168	202	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	6	35	202	216	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	7	35	216	232	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	8	35	232	245	7	0	350 N	26 E	180	-50	600	926.7	Z

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
917	18882	9	35	245	258	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	10	35	258	271	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	11	35	271	285	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	12	35	285	298	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	13	35	298	313	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	14	35	313	327	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	15	35	327	342	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	16	35	342	359	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	17	35	359	376.5	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	18	35	376.5	388	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	19	35	388	401	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	20	35	401	414	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	21	35	414	426	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	22	35	426	441	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	24	35	453	465	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	25	35	465	477	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	26	35	477	489	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	27	35	489	501	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	28	35	501	515	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	29	35	515	528	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	30	35	528	539	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	31	35	539	552	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	32	35	552	566	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	33	35	566	580	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	34	35	580	592	7	0	350 N	26 E	180	-50	600	926.7	Z
917	18882	35	35	592	600	7	0	350 N	26 E	180	-50	600	926.7	Z
918		1	2	0	100	2	23	404 N	900 E	0	0	125		U
918		2	2	100	125	2	23	404 N	900 E	0	0	125		U
919	18886	2	44	10	22	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	5	44	46	75	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	6	44	75	90	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	7	44	90	101	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	8	44	101	114	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	9	44	114	124	7	0	515 N	3200 E	180	-60	907	940.8	Z

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
919	18886	10	44	124	134	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	11	44	134	146	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	12	44	146	157	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	13	44	157	171	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	14	44	171	180	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	15	44	180	192	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	16	44	192	205	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	17	44	205	231	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	18	44	231	272	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	19	44	272	305	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	20	44	305	329	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	21	44	329	358	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	22	44	358	390	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	23	44	390	432	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	24	44	432	484	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	25	44	484	522	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	27	44	569	630	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	29	44	642	667	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	31	44	691	703	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	32	44	703	716	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	33	44	716	727	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	34	44	727	739	3	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	35	44	739	752	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	36	44	752	763	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	37	44	763	786	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	38	44	786	798	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	39	44	798	811	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	40	44	811	822	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	41	44	822	834	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	42	44	834	849	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	43	44	849	863	7	0	515 N	3200 E	180	-60	907	940.8	Z
919	18886	44	44	863	907	8	0	515 N	3200 E	180	-60	907	940.8	Z
920		1		0	120	2	27	1160 N	2399 W	180	0			V
920		2		120	270	2	27	1160 N	2399 W	180	0			V

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
920		3		270	453	2	27	1160 N	2399 W	180	0			V
920		4		453	647	2	27	1160 N	2399 W	180	0			V
920		5		647	805	2	27	1160 N	2399 W	180	0			V
920		6		805	905	2	27	1160 N	2399 W	180	0			V
920		11				4	27	1160 N	2399 W	180	0			V
921	18898	1	15	10	50	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	2	15	50	102	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	3	15	102	143	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	4	15	143	184	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	5	15	184	224	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	6	15	224	278	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	7	15	278	337	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	8	15	337	400	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	9	15	400	448	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	10	15	448	504	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	11	15	504	573	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	12	15	573	613	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	13	15	613	638	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	14	15	638	664	7	0	350 N	3800 E	180	-50	700	880.8	Z
921	18898	15	15	664	700	7	0	350 N	3800 E	180	-50	700	880.8	Z
922		1	4	0	155	2	27	1306 N	2400 W	0	-45	486		U
922		2	4	150	308	2	27	1306 N	2400 W	0	-45	486		U
922		3	4	308	455	2	27	1306 N	2400 W	0	-45	486		U
922		4	4	455	486	2	27	1306 N	2400 W	0	-45	486		U
923		1	2	0	172	2	27	1400 N	2800 W	0	0	220		U
923		2	2	172	220	2	27	1400 N	2800 W	0	0	220		U
924		1	4	0	190	2	27	1392 N	2700 W	0	-55	380		U
924		2	4	190	245	2	27	1392 N	2700 W	0	-55	380		U
924		3	4	245	290	2	27	1392 N	2700 W	0	-55	380		U
924		4	4	290	380	2	27	1392 N	2700 W	0	-55	380		U
925		1	1	0	191	2	27	1361.5 N	2288 W	42.5	0	191		U
926		1	2	0	198	2	27	1432.5 N	2897 W	0	0	227		U
926		2	2	198	227	2	27	1432.5 N	2897 W	0	0	227		U

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
927		1	2	0	180	2	27	388.5 N	545 W	0	-60	354		T
927		2	2	180	354	2	27	388.5 N	545 W	0	-60	354		T
928		1	2	0	180	2	27	1400 N	2300 W	204	25	265		T
928		2	2	180	265	2	27	1400 N	2300 W	204	25	265		T
929		1	3	0	205	2	27	1181 N	2400 W	0	25	412		T
929		2	3	205	333	2	27	1181 N	2400 W	0	25	412		T
929		3	3	333	412	2	27	1181 N	2400 W	0	25	412		T
930		1	4	0	190	2	27	1331 N	2600 W	0	-50	384		T
930		2	4	190	240	2	27	1331 N	2600 W	0	-50	384		T
930		3	4	240	290	2	27	1331 N	2600 W	0	-50	384		T
930		4	4	290	384	2	27	1331 N	2600 W	0	-50	384		T
931		1	4	0	147	2	27	1331 N	2600 W	30		354		T
931		2	4	147	218	2	27	1331 N	2600 W	30		354		T
931		3	4	218	270	2	27	1331 N	2600 W	30		354		T
931		4	4	270	354	2	27	1331 N	2600 W	30		354		T
932		1	4	0	125	2	27	1415 N	2800 W	0		335		V
932		2	4	125	245	2	27	1415 N	2800 W	0		335		V
932		3	4	245	181	2	27	1415 N	2800 W	0		335		V
932		4	4	281	335	2	27	1415 N	2800 W	0		335		V
933		1		0	160	2	27	352.5 N	401 W	0	-60			V
933		2		160	240	2	27	352.5 N	401 W	0	-60			V
933		3		285	352	2	27	352.5 N	401 W	0	-60			V
934		1	1	0	110	2	22	1607 N	2695 W	0	0	110		T
935		1	2	0	112	2	22	1596 N	2695 W	180	0	238		T
935		2	2	112	238	2	22	1596 N	2695 W	180	0	238		T
936		1		0	190	2	22	1600 N	2600 W	0	0		-821	V
936		2		190	345	2	22	1600 N	2600 W	0	0		-821	V
936		3		345	453	2	22	1600 N	2600 W	0	0		-821	V
937				170	257	2	22	1605 N	2700 W	310	0			V
938		1	3	0	180	2	23	239 N	1402 E	0	-55	451		U
938		2	3	180	350	2	23	239 N	1402 E	0	-55	451		U
938		3	3	350	451	2	23	239 N	1402 E	0	-55	451		U
939		1	4	0	50	2	25	1723 N	2814 W	0	0	456		U
939		2	4	50	210	2	25	1723 N	2814 W	0	0	456		U

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
939		3	4	210	420	2	25	1723 N	2814 W	0	0	456		U
939		4	4	420	456	2	25	1723 N	2814 W	0	0	456		U
940		1	6	0	135	2						945		U
940		2	6	135	290	2						945		U
940		3	6	295	465	2						945		U
940		4	6	470	620	2						945		U
940		5	6	625	810	2						945		U
940		6	6	810	945	2						945		U
941		1	2	0	150	2	27					320		U
941		2	2	150	320	2	27					320		U
942		1		0	175	2	27	1530 N	3200 W	0				V
942		2		175	301	2	27	1530 N	3200 W	0				V
942		3		301	354	2	27	1530 N	3200 W	0				V
942		4		354	426	2	27	1530 N	3200 W	0				V
943		1		0	119	2	27	331 N	105 W	0	0			V
943		2		119	250	2	27	331 N	105 W	0	0			V
944		1	10	0	135	2	27	1512 N	3100 W	0		410		Z
944		2	10	135	181	2	27	1512 N	3100 W	0		410		Z
944		4	10	210	240	2	27	1512 N	3100 W	0		410		Z
944		4	10	210	240	4	27	1512 N	3100 W	0		410		V
944		5	10	240	265	2	27	1512 N	3100 W	0		410		Z
944		6	10	265	295	2	27	1512 N	3100 W	0		410		Z
944		7	10	295	325	2	27	1512 N	3100 W	0		410		Z
944		8	10	325	350	2	27	1512 N	3100 W	0		410		Z
944		9	10	350	380	2	27	1512 N	3100 W	0		410		Z
944		10	10	380	410	2	27	1512 N	3100 W	0		410		Z
945		1		0	195	2	27	306 N	252 W	0	-55			V
945		2		195	353	2	27	306 N	252 W	0	-55			V
946		1	4	0	155	2	27	252 N	104 W	0	-55	344		Z
946		2	4	155	250	2	27	252 N	104 W	0	-55	344		Z
946		3	4	250	285	2	27	252 N	104 W	0	-55	344		Z
946		4	4	285	344	2	27	252 N	104 W	0	-55	344		Z
947		1	2	0	130	2	27	301 N	254 W	0	58	195		Z
947		2	2	130	195	2	27	301 N	254 W	0	58	195		Z

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
948		1	1	0	130	2	27	249.5 N	103 W	0	55	130		V
949		1	2	0	110	2	27	317 N	196 E	180	0	180		U
949		2	2	110	180	2	27	317 N	196 E	180	0	180		U
950		1	2	0	155	2	27	358 N	400 E	180	0	238		V
950		2	2	155	238	2	27	358 N	400 E	180	0	238		U
951		1	7	0	145	2	27	1453 N	2950 W	0		471		U
951		2	7	145	275	2	27	1453 N	2950 W	0		471		Z
951		3	7	270	355	2	27	1453 N	2950 W	0		471		U
951		4	7	360	395	2	27	1453 N	2950 W	0		471		V
951		5	7	395	420	2	27	1453 N	2950 W	0		471		U
951		6	7	420	445	2	27	1453 N	2950 W	0		471		Z
951		7	7	445	471	2	27	1453 N	2950 W	0		471		Z
952		1	2	0	165	2	27	361 N	403 E	180	-50	271		Z
952		2	2	165	271	2	27	361 N	403 E	180	-50	271		Z
953		1	2	0	125	2	27	403 N	600 E	0	0	240		Z
953		2	2	125	240	2	27	403 N	600 E	0	0	240		Z
954		1	3	0	150	2	25	1805 N	3002 W	0	0	395		Z
954		2	3	150	295	2	25	1805 N	3002 W	0	0	395		Z
954		3	3	295	395	2	25	1805 N	3002 W	0	0	395		Z
955		1	3	0	145	2	25	1845 N	3202 W	0	0	381		V
955		2	3	145	305	2	25	1845 N	3202 W	0	0	381		V
955		3	3	305	381	2	25	1845 N	3202 W	0	0	381		V
956		1	3	0	140	2	25	1833 N	3202 W	180	0	348		V
956		2	3	140	290	2	25	1833 N	3202 W	180	0	348		V
956		3	3	290	348	2	25	1833 N	3202 W	180	0	348		V
957				190	325	2	25	1788 N	3002 W	180	0			Z
958						2								Z
958		1		0	145	2	23	182.5 N	1603 E	0	0			Z
958		2		145	255	2	23	182.5 N	1603 E	0	0			Z
958		3		255	348	2	23	182.5 N	1603 E	0	0			Z
959		1		0	165	2,9	23	184 N	1601 E	0	-50			BACKROOM
959		3		220	300	2	23	184 N	1601 E	0	-50			Z
960		1	3	0	105	2	27					276		Z
960		2	3	105	146		27					276		Z

PROJECT 265
SOUDAN MINE DRILL CORE INVENTORY

MINE DDH #	USS UNIQUE DDH #	BOX #	TOTAL # OF BOXES	TOP FOOTAGE OF BOX	BOTTOM FOOTAGE OF BOX	BOX CODE	MINE LEVEL OF DDH COLLAR	NORTH-SOUTH MINE GRID COORDINATE	EAST-WEST MINE GRID COORDINATE	AZIMUTH (degrees)	ANGLE (degrees)	TOTAL DDH FOOTAGE	DDH COLLAR ELEVATION	SHELF STORAGE LOCATION
960		3	3	146	276	2	27					276		Z
961		1		0	140	2	27							Z
961		3		220	333	2	27							Z
962				137	266	2	27							Z
963		1	1	0	200	2						200		Z
964				0	70									Z
964				168	192									Z
964				192	220									Z
964				260	320									Z
964				320	346									Z
964				346	385									Z

SOUDAN DRILL HOLE INFORMATION INVENTORY
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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
A^{2}			1-1-05		"B"-"B"	DNRLV,SM
B			1-1-05		"G"-"G"	DNRLV,SM
B^{1}			1-1-05		"F"-"F"	DNRLV,SM
B^{3}			1-1-05		"O"-"O"	DNRLV,SM
C			1-1-05		"A"-"A"	DNRLV,SM
C^{1}			1-1-05		"K"-"K"	DNRLV,SM
C^{2}			1-1-05		"C"-"C"	DNRLV,SM
D			1-1-05		"J"-"J"	DNRLV,SM
D^{1}			1-1-05		"K"-"K"	DNRLV,SM
D^{2}			1-1-05		"C"-"C"	DNRLV,SM
D^{3}			1-1-05		"B"-"B"	DNRLV,SM
D^{5}			1-1-05		"O"-"O"	DNRLV,SM
E			1-1-05		"J"-"J"	DNRLV,SM
E^{1}			1-1-05		"H"-"H"	DNRLV,SM
E^{2}			1-1-05		"M"-"M"	DNRLV,SM
E^{6}			1-1-05		"O"-"O"	DNRLV,SM
F			1-1-05	8TH	"J"-"J"	DNRLV,SM
F^{1}			1-1-05		"K"-"K"	DNRLV,SM
F^{2}			1-1-05		"B"-"B"	DNRLV,SM
F^{3}			1-1-05		"B"-"B"	DNRLV,SM

APPENDIX B - 1

SOUDAN DRILL HOLE INFORMATION INVENTORY
PROJECT 265

MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
F^5			1-1-05		"M"-"M"	DNRLV,SM
F^6			1-1-05		"D"-"D"	DNRLV,SM
G			1-1-05		"J"-"J"	DNRLV,SM
G^4?			1-1-05		"J"-"J"	DNRLV,SM
G^5			1-1-05		"P"-"P"	DNRLV,SM
H			1-1-05		"I"-"I"	DNRLV,SM
H^1			1-1-05		"L"-"L"	DNRLV,SM
H^2			1-1-05		"N"-"N"	DNRLV,SM
I^2			1-1-05		"N"-"N"	DNRLV,SM
I^3			1-1-05		"H"-"H"	DNRLV,SM
I^6			1-1-05		"D"-"D"	DNRLV,SM
J^1			1-1-05		"H"-"H"	DNRLV,SM
J^2			1-1-05		"M"-"M"	DNRLV,SM
J^3			1-1-05		"O"-"O"	DNRLV,SM
J^5			1-1-05		"P"-"P"	DNRLV,SM
K			1-1-05		"I"-"I"	DNRLV,SM
K^1			1-1-05		"H"-"H"	DNRLV,SM
K^4			1-1-05		"H"-"H"	DNRLV,SM
L^1			1-1-05		"L"-"L"	DNRLV,SM
L^2			1-1-05		"N"-"N"	DNRLV,SM

SOUDAN DRILL HOLE INFORMATION INVENTORY
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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
M^3			1-1-05		"N"-"N"	DNRLV,SM
M^5			1-1-05		"B"-"B"	DNRLV,SM
M^6			1-1-05		"O"-"O"	DNRLV,SM
N^1			1-1-05		"G"-"G"	DNRLV,SM
N^2			1-1-05		"O"-"O"	DNRLV,SM
N^3			1-1-05		"A"-"A"	DNRLV,SM
O			1-1-05		SECTION 0	SM
O^2			1-1-05		"F"-"F"	DNRLV,SM
P^1			1-1-05		"M"-"M"	DNRLV,SM
P^6			1-1-05		"O"-"O"	DNRLV,SM
Q^1			1-1-05		"K"-"K"	DNRLV,SM
Q^2			1-1-05		"O"-"O"	DNRLV,SM
Q^5			1-1-05		"B"-"B"	DNRLV,SM
R^2			1-1-05		"P"-"P"	DNRLV,SM
R^3			1-1-05		"P"-"P"	DNRLV,SM
R^4?			1-1-05		"J"-"J"	DNRLV,SM
S			1-1-05		"I"-"I", SECTION 0	DNRLV,SM
S^2			1-1-05		"D"-"D"	DNRLV,SM
S^4			1-1-05		"B"-"B"	DNRLV,SM

SOUDAN DRILL HOLE INFORMATION INVENTORY
PROJECT 265

MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
S^5			1-1-05		"B"-"B"	DNRLV,SM
T			1-1-05		"F"-"F"	DNRLV,SM
T^1			1-1-05		"H"-"H"	DNRLV,SM
U^1			1-1-05		"H"-"H"	DNRLV,SM
U^2			1-1-05		"I"-"I"	DNRLV,SM
U^3			1-1-05		"M"-"M"	DNRLV,SM
V^3			1-1-05		"P"-"P"	DNRLV,SM
V^5			1-1-05		"B"-"B"	DNRLV,SM
W^1			1-1-05		"M"-"M"	DNRLV,SM
W^5			1-1-05		"E"-"E"	DNRLV,SM
X^1			1-1-05		"F"-"F"	DNRLV,SM
X^2			1-1-05		"C"-"C"	DNRLV,SM
X^4			1-1-05		"F"-"F"	DNRLV,SM
X^5			1-1-05		"O"-"O"	DNRLV,SM
Y^1			1-1-05		"K"-"K"	DNRLV,SM
Z			1-1-05		"F"-"F"	DNRLV,SM
Z^1			1-1-05		"M"-"M"	DNRLV,SM
Z^2			1-1-05		"F"-"F"	DNRLV,SM
Z^3			1-1-05		"J"-"J"	DNRLV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
Z[4]			1-1-05		"F"-"F"	DNRLV,SM
1A			S 1/2 SEC 33			DNRLV
1B			S 1/2 SEC 33			DNRLV
2			S 1/2 SEC 33			DNRLV
3			S 1/2 SEC 33			DNRLV
3A			S 1/2 SEC 33			DNRLV
4(?)			S 1/2 SEC 33		"E"-"E"(?)	DNRLV
4A			S 1/2 SEC 33			DNRLV
7			SHEET 1			DNRLV
17			SHEET 1			DNRLV
29					"H"-"H"	DNRLV
68				5TH #8-W		SM
69				5TH #8-W		SM
70				5TH #8-W		SM
71				5TH #8-W		SM
74				5TH #8-W		SM
75				5TH #8-W		SM
76				5TH #8-W		SM
80					"H"-"H"	DNRLV
92				5TH #8-W		SM
93				5TH #8-W		SM
94				5TH #8-W		SM
98					"C"-"C"	DNRLV
99				6TH #8-W		SM
101				5TH #8-W		SM
104				6TH #8-W		SM
118					SECTIONS 850W,850W-800W	SM
119					"C"-"C"	DNRLV
121					"C"-"C"	DNRLV
122					SECTIONS 850W,850W-800W	SM
124					"C"-"C"	DNRLV
126?				13TH #8-W		SM

SOUDAN DRILL HOLE INFORMATION INVENTORY
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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
131				6TH #8-W		SM
132				6TH #8-W		SM
134					"E"-"E"	DNRLV
135					"E"-"E"	DNRLV
138				5TH #8-W	"E"-"E"	DNRLV,SM
139				5TH #8-W		SM
145				7TH ALASKA		SM
146				7TH ALASKA		SM
147(?)				7TH ALASKA		SM
149?					SECTIONS 850W,850W-800W	SM
150				5TH #8-W		SM
151				5TH #8-W		SM
152				8TH ,,#8-W		SM
177					"H"-"H"	DNRLV
178				6TH #8-W		SM
179				7TH #8,#8-W	"L"-"L",SECTIONS 850W,850W-800W	DNRLV,SM
199				5TH #8-W		SM
201				5TH #8-W		SM
207			SHEET 1			DNRUV
209					"H"-"H"	DNRLV
213				5TH #8-W		SM
214				5TH #8-W		SM
216				5TH #8-W		SM
221				9TH #8-W		SM
223				5TH #8-W		SM
224				10TH #8-W		SM
239				6TH #8-W	GENERALIZED	DNRUV,SM
240				9TH #8-W		SM
242				10TH #8-W		SM
248				10TH #8-W		SM
251				9TH #8-W		SM
254				8TH #8-W		SM
255				8TH ,,#8-W		SM
258				10TH #8-W		SM

SOUDAN DRILL HOLE INFORMATION INVENTORY
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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
270				10TH #8-W		SM
271				8TH ,,#8-W		SM
272				10TH #8-W		SM
275				8TH ,,#8-W		SM
278				8TH ,,#8-W		SM
282				10TH #8-W		SM
289				8TH #8-W		SM
290					SECTIONS 850W,850W-800W	SM
299				10TH #8-W		SM
305				9TH ALASKA		SM
313				10TH #8-W		SM
314				8TH		SM
317				10TH #8-W		SM
321				8TH		SM
325				11TH #8		SM
333				10TH #8-W		SM
336				9TH ALASKA		SM
337				9TH ALASKA		SM
344				10TH #8-W		SM
353				10TH #8-W		SM
358				10TH #8-W		SM
359				10TH #8-W		SM
363				13TH #8-W		SM
365				13TH #8-W		SM
366				13TH #8-W		SM
376				10TH ALASKA		SM
378				10TH ALASKA		SM
379			X	12th #8-E,ALASKA; 10TH ALASKA		DNRLV,SM
384				9TH #8-W		SM
386				9TH #8-W		SM
387				12th		DNRUV
391				10TH #8-W		SM
392				10TH #8-W		SM
393				10TH #8-W		SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
394				10TH #8-W		SM
399				13TH #8-W		SM
402				10TH #8-W		SM
407					"C"-"C"	DNRLV
500				16TH		SM
501				16TH		SM
502				16TH		SM
572				22ND W OP PLAN		SM
588(?)				25th		DNRUV
601	X	X		18TH		DNRLV,SM
602	X	X		15TH E,15TH	SECTIONS 850W,850W-800W	DNRLV,SM
603	X	X		15TH E,15TH	SECTION 500W	DNRLV,SM
604	X	X		15TH E,15TH		DNRLV,SMU
605				15TH E	GENERALIZED	DNRUV,SM
606	X	X		15TH E	SECTION 850W-800W	DNRLV,SM
607	X	X		15TH E		DNRLV,SM
608	X	X		15TH E		DNRLV,SM
609	X	X		15TH E; 25TH		DNRLV,SM
610	X	X		15TH E		DNRLV,SM
611	X	X		15TH E		DNRLV,SM
612	X	X		15TH ALASKA TO #1,E		DNRLV,SM
613	X	X		15TH E		DNRLV,SM
614		X		15TH E		DNRLV,SM
615	X	X		15TH ALASKA TO #1,E		DNRLV,SM
616	X	X		15TH E		DNRLV,SM
617	X	X		15TH ALASKA TO #1		DNRLV,SM
618	X	X		20TH		DNRLV,SM
619	X	X		20TH		DNRLV,SM
620	X	X		20TH	MONTANA	DNRLV,SM
621	X	X		20TH		DNRLV,SM
622	X	X		20TH		DNRLV,SM
623	X	X		15TH E,15TH		DNRLV,SM
624	X	X		15TH ALASKA TO #1		DNRLV,SM
625	X	X		18TH MONTANA,18TH		DNRLV,SM

SOUDAN DRILL HOLE INFORMATION INVENTORY
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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
626	X	X		18TH MONTANA		DNRLV,SM
627	X	X		18TH W,18TH		DNRLV,SM
628	X	X		18TH W,18TH		DNRLV,SM
629	X	X		18TH MONTANA		DNRLV,SM
630	X	X		18TH MONTANA		DNRLV,SM
631	X	X		18TH W,MONTANA		DNRLV,SM
632	X	X		18TH W		DNRLV,SM
633	X	X		18TH W		DNRLV,SM
634	X	X		15TH ALASKA TO #1		DNRLV,SM
635	X	X		15TH ALASKA TO #1		DNRLV,SM
636	X	X		15TH ALASKA TO #1		DNRLV,SM
637	X	X		18TH		DNRLV,SM
638	X	X		18TH		DNRLV,SM
639	X	X		20TH		DNRLV,SM
640	X	X		21ST		DNRLV,SM
641	X	X		21ST		DNRLV,SM
642	X	X	X	17th ,,#8-W		DNRLV,SM
643	X	X	X	17TH ,,#8-W		DNRLV,SM
644	X	X		22ND		DNRLV,SM
645	X	X		22ND		DNRLV,SM
646	X	X				DNRLV
647	X	X				DNRLV
648	X	X	X	17th #8-W,,ALASKA	GENERALIZED	DNRUV,DNRLV,SM
649	X	X				DNRLV
650	X	X	X	17th #8-W,,ALASKA		DNRLV,SM
651	X	X		19TH; 17TH ,,ALASKA		DNRLV,SM
652	X	X	X	17th #8-E,ALASKA		DNRLV,SM
653	X	X	X	17th ,,#8-W	SECTION 500W	DNRLV,SM
654	X	X		25th; 22ND	MONTANA	DNRLV,DNRUV,SM
655	X	X	X	17th #8-E,ALASKA		DNRLV,SM
656	X	X	X	17th;#8-E		DNRLV
657	X	X		15TH E,15TH		DNRLV,SM
658	X	X		15TH E		DNRLV,SM
659	X	X		15TH E	GENERALIZED	DNRUV,DNRLV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
660	X	X	X	17th #8-E,ALASKA		DNRLV,SM
661	X	X	X	12th ,,#8-W		DNRUV,DNRLV,SM
662	X	X		22ND		DNRLV,SM
663	X	X	X	12th,,#8-W		DNRUV,DNRLV,SM
664	X	X		22ND		DNRLV,SM
665	X	X	X	12th ,,#8-W	GENERALIZED	DNRUV,DNRLV,SM
666	X	X		22ND		DNRLV,SM
667	X	X	X	12th; 10TH(?)	GENERALIZED	DNRUV,DNRLV,SM
668	X	X		22ND	MONTANA	DNRUV,DNRLV,SM
669	X	X	X	12th (LV),,#8-W		DNRLV,SM
670	X	X		22ND		DNRLV,SM
671			X	12th,,#8-W		DNRLV,SM
672	X	X		22ND	MONTANA	DNRUV,DNRLV,SM
673	X	X	X	12th ,,#8-E		DNRUV,DNRLV,SM
674	X	X	X	12th #8-E,,ALASKA		DNRUV,DNRLV,SM
675	X	X		22ND		DNRLV,SM
676	X	X				DNRLV
677	X	X	X	12th #8-E,ALASKA		DNRLV,SM
678	X	X		22ND		DNRLV,SM
679	X	X	X	12th #8-E,ALASKA		DNRLV,SM
680	X	X	X	12th #8-E,,ALASKA		DNRUV,DNRLV,SM
681	X	X		22ND		DNRLV,SM
682	X	X				DNRLV
683	X	X				DNRLV
684	X	X				DNRLV
685	X	X	X	17th #8-E,ALASKA		DNRLV,SM
686	X	X	X	17th #8-E,ALASKA		DNRLV,SM
687	X	X		22ND		DNRLV,SM
688	X	X	X	12th #8-E,ALASKA		DNRLV,SM
689	X	X		22ND		DNRLV,SM
690	X	X		15TH; 7TH ALASKA		DNRLV,SM
691	X	X		22ND		DNRLV,SM
692	X	X		7TH ALASKA		DNRLV,SM
693	X	X		22ND		DNRLV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
694	X	X		22ND		DNRLV,SM
695	X	X	X	10th #8-E; 8TH ALASKA		DNRLV,SM
696	X	X		15TH E		DNRLV,SM
697	X	X	X	12th #8-E,ALASKA		DNRLV,SM
698	X	X		7TH ALASKA		DNRLV,SM
699	X	X		7TH ALASKA		DNRLV,SM
700	X	X		9TH ALASKA		DNRLV,SM
701	X	X	X	12th #8-E,ALASKA		DNRLV,SM
702	X	X		9TH ALASKA		DNRLV,SM
703	X	X		9TH ALASKA		DNRLV,SM
704	X	X		9TH ALASKA		DNRLV,SM
705	X	X	X	12th #8-E,ALASKA		DNRLV,SM
706	X	X	X	12th #8-E,ALASKA		DNRLV,SM
707	X	X	X	12th #8-E,,LOT 2,ALASKA		DNRLV,SM
708	X	X	X	12th #8-E,ALASKA		DNRLV,SM
709	X	X	X	12th #8-E,,LOT2,ALASKA		DNRLV,SM
710	X	X	X	12th #8-E,ALASKA		DNRLV,SM
711			X	12th #8-E,ALASKA		DNRLV,SM
	THIS DRILL HOLE HAS CORE FOR THREE EXTENSIONS.					
712	X	X	X	12th #8-E,ALASKA		DNRLV,SM
713	X	X	X	12th #8-E,ALASKA		DNRLV,SM
714	X	X	X	12th ,,#8-E		DNRUV,DNRLV,SM
715	X	X	X	17th #8-E,ALASKA		DNRLV,SM
716	X	X	X	17th #8-E,ALASKA		DNRLV,SM
717	X	X		22ND		DNRLV,SM
718	X	X		19TH		DNRLV,SM
719	X	X		19TH		DNRLV,SM
720	X	X		19TH		DNRLV,SM
721	X	X	X	17th #8-W,17TH		DNRLV,SM
722	X	X		19TH		DNRLV,SM
723	X	X	X	17th #8-E,ALASKA		DNRLV,SM
724				10TH ,,#8-W		SM
725	X	X		10TH #8-W		DNRLV,SM
726	X	X				DNRLV

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
727	X	X		10TH ,,#8-W		DNRLV,SM
728	X	X				DNRLV
729	X	X		10TH ,,#8-W		DNRLV,SM
730	X	X		19TH		DNRLV,SM
731	X	X		19TH	GENERALIZED	DNRUV,DNRLV,SM
732	X	X		19TH		DNRLV,SM
733	X	X		19TH ALASKA		DNRLV,SM
734	X	X		19TH ,,ALASKA		DNRLV,SM
734						
Boxes marked 21st level; contains core for 4(?) separate test holes.						
735	X	X		19TH		DNRLV,SM
736	X	X	X	10th ,,#8-E		DNRLV,SM
737	X	X		17TH ALASKA		DNRLV,SM
738	X	X		19TH ALASKA		DNRLV,SM
739	X	X		19TH ALASKA		DNRLV,SM
740				10TH ,,#8-W	SECTION 500W	SM
741	X	X				DNRLV
742	X	X				DNRLV
743	X	X	X	10th ,,#8-E		DNRLV,SM
744	X	X	X	10th #8-E; 8TH ALASKA		DNRLV,SM
745	X	X		10TH ,,#8-W		DNRLV,SM
746	X	X	X	10th #8-E		DNRLV
747	X	X	X	10th #8-E; 8TH ALASKA		DNRLV,SM
748	X	X				DNRLV
749	X	X		8TH #7,#8-W		DNRLV,SM
750	X	X		15TH E		DNRLV,SM
751	X	X	X	10th #8-E; 8TH ALASKA		DNRLV,SM
752	X	X	X	10th #8-E; 8TH ALASKA,#8-W		DNRLV,SM
753	X	X		8TH #7		DNRLV,SM
754	X	X		8TH #7,#8-W	GENERALIZED	DNRUV,DNRLV,SM
755	X	X		5TH ALASKA		DNRLV,SM
756	X	X		5TH ALASKA		DNRLV,SM
757	X	X	X	10th #8-E; 8TH ALASKA		DNRLV,SM
758				10TH ,,#8-W		SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
759	X	X		10TH ,,#8-W	SECTION 500W	DNRLV,SM
760	X	X	X	12th ,,#8-W	SECTION 500W	DNRUV,DNRLV,SM
761	X	X		10TH ,,#8-W		DNRLV,SM
762	X	X	X	12th;,,#8-W		DNRUV,DNRLV,SM
763	X	X		8TH #7,#8-W		DNRLV,SM
764	X	X		5TH ALASKA		DNRLV,SM
765	X	X	X	17th #8-W,17TH		DNRLV,SM
766	X	X		22ND	MONTANA	DNRLV,SM
767	X	X	SHEET 4	18TH		DNRUV,DNRLV,SM
768	X	X	X	17th #8-E,ALASKA		DNRLV,SM
769	X	X		18TH		DNRLV,SM
770	X	X	X	17th #8-E,ALASKA		DNRLV,SM
771	X	X		18TH		DNRLV,SM
772	X	X		18TH		DNRLV,SM
773	X	X		19TH ,,ALASKA		DNRLV,SM
774	X	X	X	12th #8-E,,LOT 2,ALASKA		DNRLV
775	X	X		21ST		DNRLV,SM
776	X	X		21ST	GENERALIZED	DNRUV,DNRLV,SM
777	X	X		21ST	SECTION 500W	DNRLV,SM
778	X	X		21ST	GENERALIZED	DNRUV,DNRLV,SM
779	X	X	X?		GENERALIZED	DNRLV,DNRUV
780	X	X	X	12th #8-E,LOT 2,ALASKA; 21ST ALASKA		DNRLV,SM
781	X	X		21ST	SECTION 0	DNRLV,SM
782	X	X	X	12th(LV); 21ST	SECTION 0	DNRLV,SM
783	X	X	X?			DNRLV
784	X	X	X?			DNRLV
785	X	X	X?			DNRLV
786	X	X	X?			DNRLV
787	X	X		8TH #8-W	GENERALIZED	DNRUV,DNRLV,SM
788	X	X		8TH #8-W		DNRLV,SM
789	X	X		8TH #8-W	GENERALIZED	DNRLV,DNRUV,SM
790	X	X		21ST		DNRLV,SM
791	X	X		19TH ALASKA		DNRLV,SM
792	X	X	X?		SECTION 0	DNRLV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
793	X	X	X?			DNRLV
794	X	X	X	12th ,,#8-E		DNRLV,DNRUV,SM
795	X	X	X	12th ,,#8-W		DNRLV,DNRUV,SM
796	X	X	X	12th #8-E,ALASKA		DNRLV
797	X	X	X	17th #8-E		DNRLV
798	X	X	X	17th #8-E		DNRLV
799	X	X		19TH		DNRLV,SM
800	X	X			SECTION 500 W	DNRLV,SM
801	X	X			GENERALIZED	DNRUV,DNRLV
802	X	X	X	10th #8-E		DNRLV
803	X	X	X	10TH #8-E		DNRLV
804	X	X		19TH		DNRLV,SM
805	X	X		19TH ALASKA		DNRLV,SM
806	X	X		19TH ,,ALASKA		DNRLV,SM
807	X	X		25th		DNRUV,DNRLV,SM
808	X	X		25th ,,MAP 2	MONTANA	DNRUV,DNRLV,SM
809	X	X		25th ,,MAP 2		DNRUV,DNRLV,SM
810	X	X		25th; 12TH ARMSTRONG		DNRUV,DNRLV,SM
811				21ST ALASKA		SM
812	X	X		25th,25TH MAPS 1&2		DNRUV,DNRLV,SM
813			X	17th #8-W,17TH		DNRLV,SM
814	X	X	X	23RD W	SECTION 500W	DNRLV,SM
815	X	X	X	17th #8-E		DNRLV
816	X	X	X	17th #8-E		DNRLV
817				25th,25TH MAP 2		DNRUV,SM
818	X	X	X	17th #8-E		DNRLV
819				25th		DNRUV
820	X	X		25th	MONTANA	DNRUV
821	X	X		25th; 22ND ,,W OP PLAN		DNRLV,DNRUV,SM
822	X	X		25th,25TH MAP 1		DNRLV,DNRUV,SM
823	X	X		25th,25TH MAP 1		DNRLV,DNRUV,SM
824			X	12th #8-W,ARMSTRONG,12TH+185'	SECTION 0	DNRUV,DNRLV,SM
825				12TH+185'	SECTION 250E	SM
826	X	X		23RD W	GENERALIZED	DNRUV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
827			X	12th #8-E,,LOT 2,ARMSTRONG,#8-W	SECTIONS 0,000E	DNRUV,DNRLV,SM
828				21ST ALASKA		SM
829				21ST ALASKA		SM
830				25th,25TH MAP 1		DNRUV,SM
831				25th,25TH MAP 1		DNRUV,SM
832				25th; 27TH MONTANA; 25TH MAP 1		DNRUV,SM
833				25th; 23RD E		DNRUV,SM
834				25th,25TH MAP 2		DNRUV,SM
835			X	12th #8-W		DNRUV,DNRLV
836			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'	SECTION 250E	DNRUV,DNRLV,SM
837				12th #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
838					SECTIONS 0,000E	SM
840			X	12th #8-E LOT 2,ARMSTRONG,12TH+185';19TH	SECTION 250E	DNRUV,DNRLV,SM
841				19TH		SM
842					SECTION 500W	SM
843			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
844				19TH ALASKA		SM
845			X	12th ,,ARMSTRONG,12TH+185'	SECTIONS 0,000E	DNRUV,DNRLV,SM
846			X	12th #8-E LOT 2,ARMSTRONG		DNRLV,SM
847			X	12th,#8-E LOT 2,ARMSTRONG		DNRLV,SM
848			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'	SECTION 250E	DNRLV,SM
849			X	12th #8-E LOT 2,ARMSTRONG		DNRLV,SM
850				21ST ALASKA		SM
851				12TH #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
852			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
853			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
854			X	12th #8-E LOT 2,ARMSTRONG,12TH+185'		DNRLV,SM
855					SECTION(AH) 100E	SM
856					SECTION 250E	SM
857					SECTION(AH) 350E	SM
859					SECTION 250E	SM
861				25th,25TH MAP 2		DNRUV,SM
862				25th		DNRUV,SM
863				25th,25TH MAP 2		DNRUV,SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
864				23RD W		SM
865				23RD E		SM
866				25th,25TH MAP 2		DNRUV,SM
867				23RD E		SM
868				25th; 23RD E		DNRUV,SM
870				19TH ALASKA		SM
871				23RD E		SM
872				19TH ALASKA		SM
873			X	12th ,,#8-W; 27TH OP PLAN		DNRUV,DNRLV,SM
874				10TH ,,#8-W		SM
875				10TH ,,#8-W		SM
876				10TH ,,#8-W		SM
877			X	12TH ,,#8-W		DNRUV,DNRLV,SM
879				27TH MONTANA		SM
884				23RD E		SM
885				12TH		DNRUV,SM
886				27TH MONTANA; 25TH ,,MAP 1		SM
890				27TH OP PLAN		SM
891				27TH OP PLAN		SM
892				27TH OP PLAN		SM
893				27TH OP PLAN		SM
894				23RD E		SM
895				25TH,25TH MAP 1		SM
896				25TH		SM
897				27TH OP PLAN		SM
898				27TH OP PLAN		SM
899				12TH		SM
900				12TH		SM
901				27TH MAP 1,27TH OP PLAN		SM
903				27TH MAP 1,27TH OP PLAN		SM
904				27TH OP PLAN		SM
906				23RD E		SM
907				23RD E		SM
908				23RD E		SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
909				27TH MAP 1		SM
910				27TH MAP 1,27TH OP PLAN		SM
911				23RD E		SM
913				23RD E		SM
914				23RD E		SM
915				23RD E		SM
916				23RD E		SM
917					SECTION 2600E	DNRLV
918				23RD E		SM
919					SECTION 3200E	DNRLV
920				27TH MAP 1,27TH OP PLAN		SM
921					SECTION 3800E	DNRLV
922				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1,OP PLAN		SM
923				27TH MAP 1		SM
924				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1,OP PLAN		SM
925				27TH MAP 1,27TH OP PLAN		SM
926				27TH MAP 1,27TH OP PLAN		SM
927				27TH LEVEL E,27TH OP PLAN		SM
928				27TH MAP 1,27TH OP PLAN		SM
929				27TH MAP 1		SM
930				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
931				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
932				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
933				27TH LEVEL E		SM
939				25TH MAP 1		SM
941				27TH MAP 1		SM
942				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
943				27TH LEVEL E		SM
944				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
945				27TH LEVEL E		SM
946				27TH LEVEL E		SM
947				27TH LEVEL E		SM
948				27TH LEVEL E		SM
949				27TH LEVEL E		SM

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MINE DDH	DDH LITHOLOGIC LOG AVAILABLE	DDH GRAPHIC LOG AVAILABLE	SURFACE MAP	MINE LEVEL PLAN	MINE CROSS SECTION	INFORMATION LOCATION
950				27TH LEVEL E		SM
951				MONTANA LIMITS 29TH FROM 27TH,27TH MAP 1		SM
952				27TH LEVEL E		SM
953				27TH LEVEL E		SM
954				25TH MAP 1		SM
955				25TH MAP 1		SM
956				25TH MAP 1		SM
957				25TH MAP 1		SM
960				27TH LEVEL E		SM
961				27TH LEVEL E		SM
962				27TH LEVEL E		SM

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
654	19622		0-29		Chlorite schist.
	19623		29-52.5		Jasper.
	19624		52.5-81		Chlorite schist.
	19625		81-89		Jasper & hematite.
	19626		89-96.5		Chlorite schist & hematite.
	19627		96.5-112.5		Jasper.
	19628		112.5-117.5		Chlorite schist.
	19629		117.5-126		Ore, chlorite - hematitic schist.
	19630		126-150		Ore.
	19631		150-165		Ore.
	19632		165-179		Chlorite schist.
	19633		179-249.5		Jasper.
	19634		249.5-276		Jasper.
	19635		276-301.5		Jasper.
	19636		301.5-332		Jasper & chlorite schist.
	19637		332-366		Jasper & chlorite schist.
672	19638		0-13		Chert.
	19639		13-43		Chlorite schist.
	19640		43-59.5		Jasper.
	19641		59.5-126		
		19641a		59.5-66	Chlorite schist.
		19641b		71-78	Chlorite schist.
		19641c		83-93	Chlorite schist.
		19641d		113-126	Chlorite schist.
	19642		66-136		
		19642a		66-71	Jasper.
		19642b		78-83	Jasper.
		19642c		93-113	Jasper.
		19642d		126-136	Jasper.
	19643		136-160		Cherty calcareous schist.
	19644		160-178		Cherty calcareous schist.
	19645		178-218		
		19645a		178-180.5	Chlorite sericite schist.
		19645b		186.5-203	Chlorite sericite schist.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
672(cont.)	19645(cont.)		178-218		
		19645c		207-209	Chlorite sericite schist.
		19645d		217-218	Chlorite sericite schist.
	19646		180.5-239		
		19646a		180.5-186.5	Jasper.
		19646b		203-207	Jasper.
		19646c		209-217	Jasper.
		19646d		218-239	Jasper.
	19647		239-282		
		19647a		239-245	Chlorite schist.
		19647b		255-266	Chlorite schist.
		19647c		280-282	Chlorite schist.
	19648		245-293		
		19648a		245-255	Jasper.
		19648b		266-280	Jasper.
		19648c		282-293	Jasper.
*	19649		Unknown		Yellowish schist breccia with green sericitic alteration-matrix.
*	19650		Unknown		Breccia with gray hematite matrix.
*	19651		Unknown		Angular fault breccia.
902	19654		0-25		Sericite chlorite schist.
		19654a		0-14	
		19654b		14-25	
	19655		89-106		Chlorite schist.
	19656		124-138		Jasper & chlorite schist.
		19656a		124-128	
		19656b		128-138	
907	19657		0-38		Chlorite sericite schist & pyritic chert.
	19658		38-122		Chlorite schist.
	19659		122-145		
		19659a		122-127	Chlorite sericite schist.

* Not from a drill hole, samples collected underground and stored unlabelled by Oliver Iron Mining (U.S. Steel).

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
907(cont.)	19659(cont.)		122-145		
		19659b		127-145	Chlorite schist.
	19660		145-250		
		19660a		145-185	Chlorite schist with pyritic chert.
		19660b		185-220	Chlorite schist with carbonate.
		19660c		220-250	Chlorite schist with carbonate.
	19661		250-260		Chlorite schist with granite vein.
	19662		260-290		Chlorite schist.
	19663		290-332		Chlorite schist.
	19664		332-390		Chlorite schist.
	19665		390-401		Sericite chlorite schist.
	19666		401-413		Sericite chlorite schist with pyrite.
897	19681		40-90		Jasper & breccia.
		19681a		40-65	
		19681b		65-90	
	19667		164-180		Chlorite sericite schist.
	19668		230-265		Jasper & hematite with breccia.
	19669		375-420		
		19669a		375-400	Jasper, hematite, minor breccia.
		19669b		400-420	Chert & jasper, chlorite sericite schist.
	19670		420-460		
		19670a		420-430	Chlorite sericite schist.
		19670b		430-445	Chlorite sericite schist.
		19670c		445-460	Chlorite schist.
898	19671		0-8		
		19671a		0-6	Chlorite hematite quartz schist.
		19671b		6-8	Chlorite hematite sericite schist.
	19672		8-33		
		19672a		8-11	Chlorite sericite schist.
		19672b		11-21	Quartz sericite schist.
		19672c		21-28	Green-yellow quartz sericite schist.

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
898(cont.)	19672(cont.)		8-33		
		19672d		28-33	Green-yellow quartz sericite schist.
	19673		33-36		Sericite schist & green schist.
	19674		38-58		Jasper.
	19675		58-62		Breccia jasper & chlorite sericite schist & ore.
	19676		75-81		Sericitic hematitic chlorite schist.
	19677		81-82		Sericitic hematitic chlorite schist.
	19678		85-109		Sericitic hematitic chlorite schist.
	19679		115-157		
		19679a		115-135	Altered hematitic red sericite quartz schist.
		19679b		135-150	Chlorite schist & hematitic schist.
		19679c		150-157	Jasper & hematitic schist.
	19680		157-165		Sericite quartz schist.
909	19682		0-58		Chlorite sericite siliceous schist.
		19682a		0-30	
		19682b		30-58	
	19683		58-92.5		Chlorite schist.
		19683a		58-75	
		19683b		75-92.5	
	19684		92.5-204		
		19684a		92.5-96.5	Jasper.
		19684b		98.5-100.5	Jasper.
		19684c		112-124	Jasper.
		19684d		129-204	Jasper.
	19685		96.5-129		
		19685a		96.5-98.5	Chlorite schist.
		19685b		100.5-112	Chlorite schist.
		19685c		124-129	Chlorite schist.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
909(cont.)	19686		205-210		Ore.
	19687		256-265		Hematitic chlorite sericite schist.
	19688		265-300		Chlorite schist.
	19689		300-310		Chlorite schist.
910	19690		0-3		Jasper.
	19691		3-25		Chlorite sericite schist.
	19692		25-30		Chlorite sericite schist with chalcopyrite veinlet.
	19693		30-79		
		19693a		30-50	Chlorite schist.
		19693b		50-79	Quartz chlorite sericite schist.
	19694		79-99		
		19694a		79-80	Jasper.
		19694b		95-99	Magnetite & jasper.
	19695		80-238		
		19695a		80-95	Chlorite schist.
		19695b		99-117	Chlorite sericite schist.
		19695c		155-164	Jasper chlorite schist.
		19695d		172-201	Chlorite schist.
		19695e		207-238	Chlorite schist.
	19696		117-241		
		19696a		117-155	Jasper.
		19696b		164-172	Jasper with calcareous vein.
		19696c		201-207	Jasper with calcareous, chalcopyrite veinlet at 202'.
		19696d		238-241	Jasper.
	19697		241-281		
		19697a		241-248	Chlorite schist.
		19697b		254-263	Hematitic chlorite schist.
		19697c		266-281	Hematitic chlorite schist.
	19698		248-266		
		19698a		248-254	Jasper.
		19698b		263-266	Ore.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
910(cont.)	19699		281-360		
		19699a		281-310	Chlorite & minor hematitic schist.
		19699b		310-335	Chlorite schist.
		19699c		335-360	Chlorite schist.
	20652		360-370		Calcareous chlorite schist.
900	20653		60-80		Jasper & hematitic.
	20654		125-155		
		20654a		125-140	Jasper & hematitic.
		20654b		140-155	Jasper & hematitic & chlorite schist.
	20655		265-285		Jasper & hematitic.
899	20656		0-31		
		20656a		0-13½	Jasper with local breccia.
		20656b		0-15	Jasper.
		20656c		15-31	Jasper.
	20657		31-60		Chlorite schist diorite intrusive.
	20658		60-104.5		
		20658a		60-62	Jasper.
		20658b		63.5-65	Jasper.
		20658c		65.5-80	Jasper.
		20658d		80-104.5	Jasper.
	20659		62-65.5		Chlorite schist.
		20659a		62-63.5	
		20659b		65-65.5	
	20660		104.5-108.5		Quartz sericite schist.
	20661		108.5-132		Jasper.
	20662		132-133		Chlorite hematitic schist.
	20663		133-265		
		20663a		133-147	Jasper.
		20663b		189-215	Jasper & hematite; chalcopyrite at 198.
		20663c		215-240	Jasper & hematite.
		20663d		240-265	Jasper & hematite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
899(cont.)	20664		147-280		Ore, vugs with quartz.
		20664a		147-189	
		20664b		265-280	
	20665		280-285		Chert.
	20666		285-315		
		20666a		285-297	Siliceous, sericite, hematitic schist.
		20666b		297-305	Siliceous, sericite, hematitic schist with local mylonite.
		20666c		305-315	Chert with local mylonite.
	20667		315-345		Chlorite schist.
		20667a		315-330	
		20667b		330-345	
	20668		345-360		Chlorite sericite schist.
901	20669		0-43		
		20669a		0-11	Jasper & chlorite schist.
		20669b		11-21	Chlorite schist with calcareous chalcopyrite vein.
		20669c		21-43	Jasper with breccia & trace pyrite, chalcopyrite.
	20670		55-71		
		20670a		55-59	Breccia, jasper with magnetite.
		20670b		59-71	Breccia, chlorite schist & chert.
	20671		71-77		Chlorite sericite schist.
	20672		77-86		Jasper.
	20673		185-192		Jasper.
	20674		265-335		Jasper & hematite.
		20674a		265-280	
		20674b		280-292	
		20674c		330-335	
	20675		360-395.5		Jasper & magnetite.
		20675a		360-374	
		20675b		374-376	
		20675c		376-385	

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
901(cont.)	20675(cont.)		360-395.5		Jasper & magnetite.
		20675d		385-395.5	
	20676		395.5-397		Siliceous chlorite sericite schist.
	20677		397-470		
		20677a		397-430	Chert, jasper, with minor schist, breccia.
		20677b		430-470	Mixed schist & jasper.
	20678		475-496		Mixed chert jasper, schist, minor chalcopyrite.
	20679		496-591		
		20679a		496-520	Mixed jasper chert schist.
		20679b		520-555	Mixed jasper chert schist & hematitic & magnetite.
		20679c		555-591	Mixed jasper chert schist & hematitic magnetite.
903	20680		1-56		
		20680a		1-3	Jasper.
		20680b		54-56	Jasper, with pyrite, magnetite, chert.
	20683		3-54		Chlorite sericite schist.
	20681		57-148		
		20681a		57-59	Jasper with pyrite cemented breccia .
		20681b		67-74	Jasper.
		20681c		87-102.5	Jasper.
		20681d		120-148	Jasper with chlorite schist.
	20682		59-120		
		20682a		59-67	Chlorite schist.
		20682b		74-87	Chlorite schist.
		20682c		102.5-120	Chlorite schist.
	20684		178-195		Chlorite sericite schist.
	20685		204-220		Chlorite schist & jasper.
	20686		241-250		Jasper & hematitic.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
903(cont.)	20687		250-265		Hematitic schist.
	20688		278-283		Jasper with breccia.
	20689		290-360		Siliceous chlorite schist.
		20689a		290-310	
		20689b		310-325	
		20689c		325-345	
		20689d		345-360	
904	20690		0-106		
		20690a		0-30	Jasper with pyrite.
		20690b		49-66	Chert magnetite with minor pyrite.
		20690c		77-106	Chert magnetite with minor pyrite, disseminated & veinlets.
	20691		30-77		
		20691a		30-49	Siliceous chlorite sericite schist.
		20691b		66-77	Siliceous chlorite hematitic schist.
	20692		106-115		Jasper & pyrite.
	20693		115-391.5		
		20693a		115-170	Chert, magnetite, pyrite.
		20693b		170-225	Chert, magnetite, pyrite/trace chalcopyrite.
		20693c		225-280	
		20693d		280-335	Chert, magnetite, pyrite with local breccia.
		20693e		335-391.5	Chert, magnetite, pyrite, local breccia.
	20694		391.5-474.5		
		20694a		391.5-420	Chlorite sericite schist.
		20694b		420-450	Chlorite sericite carbonate schist.
		20694c		450-474.5	Chlorite sericite carbonate schist.
	20695		474.5-557		
		20695a		474.5-475.5	Jasper & chert.
		20695b		484-505	Jasper & chert & pyrite.
		20695c		535-557	Jasper & chert & pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
904(cont.)	20696		475.5-535		
		20696a		475.5-484	Chlorite schist.
		20696b		505-535	Chlorite sericite schist with pyrite.
	20697		557-610		
		20697a		557-586	Chlorite quartz sericite hematitic schist with pyrite.
		20697b		589-610	Chlorite quartz sericite hematitic schist with pyrite.
	20698		586-589		Jasper chert with pyrite.
	20699		610-674		
		20699a		610-625	Slate.
		20699b		655-658	Quartzite & slate.
		20699c		658-664	Graphitic slate.
		20699d		664-674	Brecciated graphitic slate with pyrite, siderite magnetite.
	20700		625-655		Sericite quartzite.
	20701		674-712		Siderite rock; pyrite.
	20702		712-775		
		20702a		712-720	Chloritic slate with pyrite.
		20702b		720-735	Sericitic slate-banded.
		20702c		735-760	Granite, slate with pyrite.
		20702d		760-775	Banded slate.
905	20703		0-110		
		20703a		0-35	Siliceous chlorite sericite schist.
		20703b		35-50	Chlorite sericite schist.
		20703c		50-75	Chlorite sericite schist.
		20703d		75-110	Chlorite sericite schist.
	20704		110-116		Pyritic chert.
	20705		116-165		Siliceous chlorite sericite schist with local fragments.
	20706		165-179.5		Jasper & siliceous sericite chlorite schist.

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
905(cont.)	20707		205½-228		Chert, jasper, sericite chlorite schist breccia.
	20708		228-237		Chlorite sericite schist.
	20709		250-255		Magnetite siliceous chlorite sericite schist breccia with pyrite.
	20710		255-300		Chlorite sericite schist.
906	20711		5-25		Chlorite hematitic schist with local fragments & vein.
	20712		50-70		Chlorite schist with slickensides, magnetite, pyrite breccia at 55-56'.
	20713		70-80		Chlorite schist.
	20714		115-145		Sericite quartz schist.
	20715		200-240		Quartz sericite schist chert.
	20716		255-280		Chlorite schist with local quartz.
	20717		300-305		Chlorite schist with specular hematitic, pyrite.
	20718		330-341		Sericite hematitic chlorite schist.
	20719		358-426		Sericite hematitic chlorite schist.
921	20720		10-115		
		20720a		10-28	Calcareous chlorite schist.
		20720b		28-62	Fault breccia.
		20720c		62-82	Chloritic calcareous schist.
		20720d		82-115	Chloritic calcareous schist.
	20721		115-187		
		20721a		115-142	Quartz carbonate sericite schist.
		20721b		142-151	Chlorite schist.
		20721c		151-165	Quartz carbonate sericite schist breccia?
		20721d		165-187	Chert(?) quartz carbonate sericite schist.

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
921(cont.)	20722		187-284		Chlorite calcareous schist.
		20722a		187-214	
		20722b		214-253	
		20722c		253-284	
	20723		284-434		
		20723a		284-319	Siliceous tuff breccia with pyrite.
		20723b		319-357	Siliceous chlorite sericite schist.
		20723c		357-393	Siliceous chlorite sericite schist.
		20723d		393-434	Siliceous sericite schist.
	20724		434-462		Calcareous sericite schist-slate.
	20725		462-579		Chlorite siliceous schist.
		20725a		462-493	
		20725b		493-522	
		20725c		522-550	
		20725d		550-579	
	20726		579-615		Chlorite siliceous sericite schist.
	20727		627-700		
		20727a		627-638	Siliceous siderite chlorite schist.
		20727b		652-659	Siliceous siderite chlorite schist.
		20727c		666-677	Siliceous siderite chlorite schist.
		20727d		698-700	Siliceous siderite chlorite schist.
	20728		659-666		Chlorite magnetite schist.
919	20741		10-22		Mylonitic siliceous sericite chlorite schist with pyrite.
	20742		46-52		Mylonitic siliceous sericite chlorite schist with pyrite.
	20743		52-71		Mylonitic chert sericite schist.
	20744		71-90		Mylonitic sericite siliceous schist.
	20745		90-92		Mylonitic siliceous calcareous schist.
	20746		92-120		Chlorite siliceous schist.
		20746a		92-97	
		20746b		97-105	

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
919(cont.)	20746(cont.)		92-120		Chlorite siliceous schist.
		20746c		105-113	
		20746d		113-120	
	20747		120-124		Siderite siliceous sericite mylonite schist.
	20748		124-143		Chlorite sericite siliceous mylonite schist.
	20749		143-174.7		Mylonitic sericite chlorite carbonate siliceous schist.
		20749a		143-149	
		20749b		149-154	
		20749c		154-164	
		20749d		164-170	
		20749e		170-174.7	
	20750		174.7-205		Chlorite sericite siderite siliceous brecciated schist.
		20750a		174.7-184	
		20750b		184-194	
		20750c		194-205	
	20751		205-292		Sericite siliceous carbonate schist.
		20751a		205-226	
		20751b		226-248	
		20751c		248-276	
		20751d		276-292	
	20752		292-358		Chlorite siliceous carbonate schist.
		20752a		292-308	
		20752b		308-329	
		20752c		329-358	
	20753		370-512		Chlorite sericite schist with veins.
		20753a		370-400	
		20753b		400-432	
		20753c		432-462	

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
919(cont.)	20753(cont.)		370-512		Chlorite sericite schist with veins.
		20753d		462-490	
		20753e		490-512	
	20754		569-630		
		20754a		569-630	Banded iron formation.
		20754b		569-630	Chlorite siliceous schist.
	20755		642-667		
		20755a		642-667	Siderite banded iron formation.
		20755b		642-667	Chert oxide banded iron formation.
		20755c		642-667	Chlorite schist.
	20756		691-697		Jasper magnetite banded iron formation; with breccia.
	20757		697-699		Chlorite schist.
	20758		699-717		Chert, magnetite, siderite, banded iron formation; with pyrite.
	20759		717-725		Chert, siderite, magnetite, banded iron formation; with breccia & pyrite.
	20760		725-795		Chert, magnetite banded iron formation; with breccia & pyrite.
		20760a		725-735	
		20760b		735-747	
		20760c		747-756	
		20760d		756-767	
		20760e		767-785	
		20760f		785-795	
	20761		795-807		Siderite, chert banded iron formation; with pyrite.
	20762		807-810		Chlorite sericite siliceous schist with pyrite.
	20763		810-830		Siderite chert banded iron formation; with pyrite breccia & veins.

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
919(cont.)	20764		830-907		Chlorite sericite siliceous schist.
		20764a		830-838	
		20764b		838-846	
		20764c		846-858	
		20764d		858-874	
		20764e		874-907	
917	20767		12-85		Chlorite schist with quartz calcite vein.
		20767a		12-22	
		20767b		22-45	
		20767c		45-64	
		20767d		64-85	
	20768		85-146		Chlorite schist.
		20768a		85-109	
		20768b		109-127	
		20768c		127-146	
	20769		146-168		Magnetite siderite chert banded iron formation; with chlorite schist, quartz carbonate veins & pyrite breccia.
	20770		168-183		
		20770a		168-169	Brecciated veined jasper with siderite chlorite schist magnetite.
		20770b		172-183	Breccia vein jasper with siderite, chlorite schist, magnetite.
	20771		169-172		Chlorite sericite schist.
	20772		183-204		Chlorite sericite siliceous schist with breccia, mylonite.
	20773		204-210		Chlorite schist.
	20774		210-221		Brecciated magnetite, chert, siderite,banded iron formation; with chlorite, pyrite.
	20775		221-226		Jasper, magnetite with veins.

APPENDIX C-15

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
917(cont.)	20776		226-242		Chlorite sericite schist (tuff).
	20777		242-293		Chlorite sericite schist/lapilli tuff.
		20777a		242-251	
		20777b		251-261	
		20777c		261-271	
		20777d		271-282	
		20777e		282-293	
	20778		293-307		Jasper, magnetite with veins.
	20779		307-313		Chlorite sericite schist/lapilli tuff.
	20780		313-318		Magnetite chert with veins, pyrite, chalcopyrite.
	20781		318-327		Chlorite sericite schist with pyrite.
	20782		327-344		
		20782a		327-330	Chert with chlorite schist pyrite.
		20782b		330-336	Chlorite sericite schist with chert.
		20782c		336-344	Chert siderite magnetite pyrite chlorite schist with veins.
	20783		344-362		Chlorite sericite schist with chert.
	20784		362-386		Chert jasper magnetite with fault.
	20785		393-409		Chert jasper with breccia vugs, chlorite.
	20786		409-426		Chert jasper with breccia vugs chlorite.
	20787		426-459		Hematitic jasper chert.
	20788		459-477		Hematitic jasper chert with breccia.
	20789		477-481		Breccia chlorite schist & chert & hematitic.
	20790		481-489		Quartz & hematitic.
	20791		489-497		Dacite schist with quartz veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
917(cont.)	20792		511-518.5		Dacite & quartz conglomerate.
	20793		518.5-519		Chlorite sericite schist & granite vein.
	20794		519-539		Chlorite sericite siderite schist with quartz siderite pyrite chalcopyrite? veins.
		20794a		519-525	
		20794b		525-532	
		20794c		532-539	
	20795		539-540		Chlorite sericite schist.
	20796		540-554		Chlorite sericite siliceous schist.
		20796a		540-544	
		20796b		544-548	
		20796c		548-554	
	20797		554-562		Chlorite sericite chert breccia schist.
	20798		562-565		Chlorite sericite siliceous schist.
	20799		565-600		Chlorite sericite siliceous schist with breccia, chert, pyrite, conglomerate.
		20799a		565-575	
		20799b		575-584	
		20799c		584-593	
		20799d		593-600	
715	20800		0-3½		Siliceous chlorite schist.
	20801		6½-13		Siliceous chlorite schist with pyrite.
	20802		84-94		Chlorite sericite schist with calcareous, coppery mineral?
	20803		189-195		Chlorite sericite schist/w breccia & quartz.
634	20804		4-5		Vein breccia jasper.
	20805		6-17		Quartz white chert with breccia.
	20806		17-20		Jasper, minor magnetite pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
634(cont.)	20807		26-28		Jasper, minor magnetite pyrite.
	20808		32.5-40		Jasper with magnetite pyrite.
	20809		40-42		Jasper with magnetite.
	20810		45-47		Chert with hematitic streaks.
	20811		61-66		Breccia chert hematitic jasper with breccia with pyrite.
	20812		67½-74.5		Breccia chert hematitic jasper with pyrite.
	20813		80-82		Breccia hematitic, jasper, chert with pyrite.
	20814		82-95		Chlorite schist.
	20815		106-107		Chert jasper magnetite with pyrite.
	20816		124-127		Chert magnetite.
	20817		127-132		Chlorite schist with chert, pyrite.
	20818		132-145		
	20819		145-150.5		
		20819a		145-148	Chlorite sericite schist
		20819b		150-150.5	with pyrite.
	20820		148-158		
		20820a		148-150	Jasper chert magnetite
		20820b		150.5-158	with pyrite.
	20821		158-162		Magnetite jasper with pyrite.
	20822		162-164		Talc sericite siliceous schist with pyrite.
	20823		164-170		Sericite talc schist.
	20824		175-180		Sericite talc schist.
	20825		185-195		Talc sericite schist.
	20826		210-227		Chert silicified sericite schist with pyrite chlorite schist.
		20826a		210-215	
		20826b		215-220	
		20826c		220-225	
		20826d		225-227	

PROJECT 265
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
614	20827		0-15		
		20827a		0-5	Chert jasper.
		20827b		5-10	Chert jasper with breccia.
		20827c		10-15	Chert jasper with chlorite.
	20828		35-45		Siliceous sericite schist.
	20829		83-88		Chert jasper with breccia.
	20830		153-168		Chlorite schist with calcareous quartz veins.
	20831		168-172		Chlorite sericite schist.
	20832		172-178		Siliceous sericite schist.
	20833		203-208		Chlorite sericite schist.
635	20834		0-11		Breccia chert jasper.
	20835		11-15		Chlorite schist and jasper with pyrite, chalcopyrite.
	20836		35-40.5		Breccia chert jasper.
	20837		45-55		Chert breccia mylonite.
	20838		64-65½		Siliceous chert breccia with pyrite.
695	20839		85-90		Diorite intrusive.
751	20840		50-60		Chert with breccia.
	20841		60-74		Jasper with sulfides.
	20842		74-78		Chert with breccia, sulfides.
965*	20843		45-50		Siliceous sericite schist.
	20844		195-205		Siliceous sericite schist.

* This is an imaginary drill hole with the two samples being prepared pulps with previously analyzed Au values. See section on Duplicate Samples Results.

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19622	654	1	<1	7	<10	205	4	<10	<2	0.29	<1	<1	<.5	<5	<1	<30	<50	800	<25	22	21	10	27	101	<10	<10
19623	654	1	<1	3	<10	<10	<1	<10	<2	0.04	1	<1	<.5	15	<1	<30	<50	140	<25	2	9	6	10	17	<10	<10
19624	654	1	<1	4	<10	210	3	<10	3	0.06	<1	<1	<.5	25	<1	<30	<50	280	<25	24	16	7	17	80	<10	<10
19625	654	<1	2	5	<10	20	3	<10	<2	0.05	<1	<1	<.5	240	<1	<30	<50	280	<25	2	7	3	8	15	<10	<10
19626	654	1	<1	2	<10	470	<1	<10	<2	0.03	<1	<1	<.5	25	<1	<30	<50	820	<25	10	10	20	43	94	<10	<10
19627	654	2	<1	5	<10	15	3	<10	<2	0.07	2	<1	<.5	<5	<1	<30	<50	1320	<25	<1	3	2	<5	<10	<10	<10
19628	654	1	<1	4	<10	125	<1	<10	<2	0.02	1	<1	<.5	90	<1	<30	<50	340	<25	14	16	7	17	45	<10	<10
19629	654	1	1	5	<10	70	<1	<10	<2	0.05	<1	1	<.5	5	<1	<30	<50	400	<25	5	14	6	18	36	<10	<10
19630	654	<1	1	3	<10	15	<1	<10	3	0.06	<1	<1	<.5	675	<1	<30	<50	200	<25	<1	8	4	<5	17	<10	<10
19631	654	2	<1	4	<10	10	<1	<10	<2	0.03	2	<1	<.5	420	<1	<30	<50	280	<25	<1	10	5	12	18	<10	<10
19632	654	1	<1	2	<10	360	<1	<10	<2	0.02	<1	<1	<.5	30	<1	<30	<50	940	<25	29	11	6	16	75	<10	<10
19633	654	2	<1	<1	<10	35	<1	<10	<2	0.01	<1	1	<.5	10	<1	<30	<50	300	<25	1	7	4	6	13	<10	<10
19634	654	1	<1	<1	<10	10	<1	<10	4	0.03	<1	<1	<.5	20	<1	<30	<50	260	<25	<1	6	2	<5	<10	<10	<10
19635	654	1	<1	<1	<10	10	4	<10	<2	0.06	1	2	<.5	35	<1	<30	<50	240	<25	<1	5	3	7	14	<10	<10
19636	654	2	2	<1	15	395	<1	<10	<2	0.10	<1	1	<.5	5	<1	<30	<50	400	<25	11	10	10	22	48	<10	<10
19637	654	1	1	<1	<10	110	<1	<10	<2	0.01	1	1	<.5	5	<1	<30	<50	260	<25	4	12	9	21	53	<10	<10
19638	672	1	<1	2	<10	40	<1	<10	<2	0.01	<1	2	<.5	35	<1	<30	<50	400	<25	1	6	3	6	14	<10	<10
19639	672	1	<1	<1	<10	285	3	<10	<2	0.03	2	<1	<.5	70	<1	<30	<50	680	<25	21	21	11	25	93	<10	<10
19640	672	1	<1	2	<10	10	<1	<10	<2	0.07	1	2	<.5	50	<1	<30	<50	160	<25	1	5	3	5	<10	<10	<10
19641	672	2	<1	<1	<10	705	<1	<10	<2	0.03	4	<1	<.5	65	<1	<30	<50	1120	<25	25	16	8	23	86	<10	<10
19642	672	3	<1	<1	<10	15	<1	<10	<2	0.10	1	1	<.5	15	<1	<30	<50	220	<25	<1	10	3	7	<10	<10	<10
19643	672	3	1	<1	<10	125	<1	<10	<2	0.11	<1	1	<.5	60	<1	<30	<50	280	<25	2	11	7	16	40	<10	<10
19644	672	3	<1	<1	<10	<10	<1	<10	<2	0.73	3	2	<.5	15	<1	<30	<50	280	<25	<1	6	3	8	<10	<10	<10
19645	672	1	<1	<1	<10	260	<1	<10	20	0.01	1	2	<.5	85	<1	<30	<50	580	<25	21	17	9	25	95	<10	<10
19646	672	1	2	2	<10	65	4	<10	5	0.16	1	<1	<.5	55	<1	<30	<50	200	<25	2	9	16	31	27	<10	<10
19647	672	1	<1	5	<10	510	<1	<10	13	0.02	1	<1	<.5	50	<1	<30	<50	1180	<25	20	16	15	34	100	<10	<10
19648	672	1	<1	5	15	15	<1	40	<2	0.02	2	<1	<.5	20	<1	<30	<50	340	<25	1	7	4	7	10	<10	<10
19649	**	3	1	4	<10	445	<1	<10	5	0.01	1	2	<.5	<5	<1	<30	<50	1600	<25	34	23	12	22	167	<10	<10
19650	**	1	<1	1	30	410	5	210	23	0.01	1	<1	<.5	<5	<1	<30	<50	860	<25	34	35	33	62	147	<10	<10
19651	**	1	1	2	<10	170	<1	70	<2	0.01	1	2	<.5	<5	<1	<30	<50	1260	<25	33	29	14	30	181	<10	<10
19654	902	1	<1	3	<10	100	5	<10	<2	0.17	<1	2	<.5	45	<1	<30	<50	520	<25	24	16	6	14	56	<10	<10
19655	902	1	<1	<1	<10	45	<1	<10	6	0.04	<1	<1	<.5	<5	<1	<30	<50	180	<25	15	17	13	31	72	<10	<10
19656	902	1	<1	3	<10	200	20	<10	<2	0.09	1	<1	.5	10	<1	<30	<50	680	<25	11	10	28	63	103	<10	<10
19657	907	<1	<1	8	<10	110	<1	50	<2	1.98	2	<1	<.5	65	<1	<30	<50	680	<25	14	29	24	58	167	<10	<10
19658	907	1	2	1	<10	130	<1	<10	<2	0.01	<1	<1	<.5	25	<1	<30	<50	320	<25	23	11	5	11	50	<10	<10
19659	907	1	<1	6	<10	130	<1	<10	7	0.29	1	2	<.5	75	<1	<30	<50	320	<25	16	25	19	44	121	<10	<10
19660	907	1	<1	5	30	125	<1	25	7	2.7	1	<1	<.5	90	<1	<30	<50	520	<25	28	14	7	13	70	<10	<10
19661	907	1	<1	1	15	3045	<1	50	6	0.11	<1	<1	<.5	125	<1	<30	<50	320	<25	29	23	8	20	75	<10	<10
19662	907	1	1	4	<10	715	<1	<10	6	0.03	<1	<1	.5	10	<1	<30	<50	420	<25	45	12	9	22	87	<10	<10
19663	907	<1	<1	1	<10	100	<1	55	7	0.02	1	1	.5	145	<1	<30	<50	300	<25	35	18	9	23	115	<10	<10

** OLD MINE SAMPLES FROM UNKNOWN LOCATIONS

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX D-1

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
19622	654	<1	135	76	<5	135	<10	<2	4	97	56	183	1.08	7.78	13.23	.06	53.28	16.29	.22	65	.08	1.84	380	20	.44	2
19623	654	<1	45	17	15	<5	<10	<2	<1	151	26	13	.12	.67	34.94	.02	60.40	1.02	.07	<10	.01	<.10	380	<10	.13	4
19624	654	<1	135	83	25	140	<10	3	3	217	59	189	1.09	8.29	16.74	.08	50.11	14.95	.07	50	.03	1.36	420	<10	.20	2
19625	654	<1	50	21	240	20	<10	<2	3	169	28	27	.09	.87	41.08	.02	53.44	1.47	.11	<10	.02	.11	420	<10	.16	5
19626	654	<1	150	20	25	65	<10	<2	<1	116	38	77	.52	4.12	17.88	.07	55.80	14.62	.05	30	.07	3.22	430	25	.10	3
19627	654	<1	30	7	<5	<5	<10	<2	3	169	20	3	.01	.18	36.76	.02	60.83	.39	.05	<10	.02	<.10	220	<10	.08	3
19628	654	<1	110	78	90	30	<10	<2	<1	163	29	92	.59	3.89	24.92	.08	57.29	8.30	.18	25	.02	.74	600	20	.28	3
19629	654	3	90	72	5	70	<10	<2	<1	98	52	48	.21	1.77	68.09	.07	21.12	4.24	.16	10	.03	.11	600	15	.26	10
19630	654	<1	70	17	675	20	<10	3	<1	41	47	10	.01	.11	92.13	.04	4.37	.35	.19	<10	.01	<.10	290	50	.20	7
19631	654	5	60	22	420	15	<10	<2	<1	54	45	3	.01	.13	91.07	.04	5.12	.42	.21	<10	.02	<.10	320	10	.31	7
19632	654	<1	105	34	30	100	<10	<2	<1	191	37	148	.77	4.95	15.79	.10	53.03	16.50	.13	35	.06	3.24	600	15	.30	1
19633	654	<1	35	14	10	15	<10	<2	<1	145	21	16	.05	.62	31.09	.02	64.22	1.43	.05	<10	<.01	<.10	250	<10	.06	1
19634	654	<1	25	18	20	15	<10	4	<1	97	23	8	.01	.10	40.32	.02	57.42	.27	.03	<10	<.01	<.10	270	<10	.03	2
19635	654	<1	60	11	35	10	<10	<2	4	121	26	17	.03	.20	53.55	.02	42.51	.50	.05	<10	<.01	<.10	300	<10	.03	4
19636	654	<1	40	17	5	25	<10	<2	<1	159	27	73	.37	2.22	27.65	.04	56.12	8.65	.07	15	.04	2.49	300	10	.09	1
19637	654	<1	30	17	5	10	<10	<2	<1	159	23	37	.14	.90	29.82	.14	63.37	4.01	.06	<10	.03	.95	220	<10	.13	1
19638	672	<1	40	15	35	<5	<10	<2	<1	94	25	20	.08	.38	44.67	.02	52.82	1.15	.05	<10	.01	.23	320	<10	.08	2
19639	672	<1	115	25	70	150	<10	<2	3	106	57	172	1.16	3.71	16.16	.05	55.83	16.10	.04	30	.29	2.39	380	25	.12	1
19640	672	<1	25	11	50	<5	<10	<2	<1	112	20	18	.04	.20	25.32	.01	73.57	.71	.02	<10	<.01	<.10	320	<10	.03	<1
19641	672	<1	125	78	65	120	<10	<2	<1	224	54	204	1.18	4.07	15.26	.05	55.89	15.86	.04	30	.10	2.87	420	10	.11	1
19642	672	<1	30	23	15	<5	<10	<2	<1	141	21	8	.03	.18	31.97	.02	66.36	.53	.02	<10	.04	<.10	500	<10	.09	1
19643	672	<1	55	17	60	20	<10	<2	<1	119	30	26	.15	1.17	42.33	.03	51.17	3.38	.03	<10	<.01	.39	500	<10	.06	2
19644	672	<1	30	13	15	<5	<10	<2	<1	128	23	6	.01	.10	39.16	.02	57.58	.24	.02	<10	<.01	<.10	600	<10	.03	<1
19645	672	<1	230	59	85	145	<10	20	<1	97	59	190	1.08	7.59	25.14	.04	41.79	16.23	.05	35	.03	.90	700	<10	.12	1
19646	672	<1	45	16	55	5	<10	5	4	112	28	29	.10	.73	30.73	.02	65.10	1.90	.02	<10	.01	.21	420	<10	.03	<1
19647	672	<1	120	74	50	115	<10	13	<1	166	43	161	.98	4.19	13.97	.06	55.39	17.52	.13	30	.21	3.06	400	30	.25	1
19648	672	<1	25	15	20	<5	40	<2	<1	153	23	13	.04	.18	37.61	.02	60.03	.47	.05	<10	<.01	<.10	390	<10	.06	1
19649	**	<1	10	5	<5	70	<10	5	<1	252	13	128	.47	.56	3.90	<.01	46.69	33.83	.05	<10	.67	9.72	38	95	.09	2
19650	**	<1	20	7	<5	35	210	23	5	229	22	148	1.16	.50	23.55	.02	36.09	26.22	.05	10	.46	7.36	150	55	.13	1
19651	**	<1	35	10	<5	70	70	<2	<1	193	18	134	1.42	1.35	8.14	.03	43.73	30.81	.07	15	.99	7.52	180	85	.23	2
19654	902	<1	40	17	45	145	<10	<2	5	283	58	200	.93	1.41	7.72	.04	68.13	15.01	.06	20	.72	2.49	220	65	.14	1
19655	902	<1	140	87	<5	110	<10	6	<1	273	55	96	.47	4.92	46.91	.08	29.81	11.33	.12	40	.06	.28	600	30	.16	4
19656	902	<1	95	33	10	115	<10	<2	20	359	42	87	.51	4.19	20.63	.05	58.33	10.40	.31	25	.04	1.49	400	25	.45	1
19657	907	<1	115	28	65	65	50	<2	<1	118	37	112	.53	3.29	10.49	.05	68.13	11.31	.16	25	.28	1.37	280	30	.24	1
19658	907	<1	95	26	25	310	<10	<2	<1	321	63	169	.77	9.07	10.56	.20	48.56	15.65	.16	40	.56	1.02	320	65	4.85	<1
19659	907	<1	110	78	75	85	<10	7	<1	201	42	107	.49	6.26	12.12	.18	58.03	11.43	.24	30	.06	1.44	380	10	1.95	<1
19660	907	<1	100	25	90	105	25	7	<1	183	50	227	1.10	5.96	10.56	.18	46.91	14.09	.16	25	2.00	.46	380	155	10.37	<1
19661	907	<1	80	25	125	40	50	6	<1	85	41	250	1.23	4.41	10.34	.22	44.30	11.85	.17	20	1.70	<.10	440	230	15.13	<1
19662	907	<1	105	41	10	60	<10	6	<1	235	56	325	1.45	7.18	12.83	.18	49.45	18.81	.23	65	.29	2.68	330	30	.71	1
19663	907	<1	110	34	145	30	55	7	<1	61	50	314	1.65	6.14	13.43	.19	49.97	13.47	.23	30	1.32	.21	360	175	6.86	<1

** OLD MINE SAMPLES FROM UNKNOWN LOCATIONS

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX D-2

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19664	907	<1	2	5	15	55	<1	<10	9	0.02	<1	<1	<.5	70	<1	<30	<50	500	<25	13	5	6	13	58	<10	<10
19665	907	<1	1	<1	30	120	<1	90	<2	0.01	<1	<1	<.5	25	<1	<30	<50	240	<25	10	3	5	13	50	<10	<10
19666	907	<1	2	6	<10	150	<1	<10	4	0.19	<1	<1	<.5	45	<1	<30	<50	720	<25	7	13	24	56	155	<10	<10
19667	897	1	1	<1	<10	500	<1	105	5	0.01	<1	1	<.5	50	<1	<30	<50	340	<25	10	6	7	18	70	<10	<10
19668	897	<1	1	2	<10	30	4	<10	16	0.01	1	1	.5	30	<1	<30	<50	160	<25	<1	4	8	19	38	<10	<10
19669	897	2	1	2	<10	140	<1	<10	8	<0.01	<1	<1	<.5	<5	<1	<30	<50	520	<25	3	3	5	7	26	<10	<10
19670	897	3	1	1	<10	<10	<1	40	<2	0.01	1	<1	<.5	20	<1	<30	<50	520	<25	15	8	5	13	<10	<10	<10
19671	898	<1	1	3	<10	95	<1	<10	33	<0.01	2	1	<.5	25	<1	<30	<50	260	<25	9	2	18	40	77	<10	<10
19672	898	2	<1	2	15	270	6	100	<2	<0.01	1	<1	<.5	10	<1	<30	<50	380	<25	11	7	14	33	75	<10	<10
19673	898	1	<1	<1	<10	75	102	<10	<2	<0.01	<1	<1	.5	<5	<1	<30	<50	260	<25	32	49	32	57	147	<10	<10
19674	898	<1	2	3	<10	20	113	<10	60	0.01	2	1	<.5	<5	<1	<30	<50	120	<25	3	16	7	12	15	<10	<10
19675	898	1	2	2	<10	135	158	<10	14	0.10	<1	3	1.0	<5	<1	<30	<50	440	<25	21	53	45	78	249	<10	<10
19676	898	<1	<1	<1	<10	120	<1	55	<2	<0.01	1	<1	<.5	5	<1	<30	<50	620	<25	39	27	43	82	171	<10	<10
19677	898	<1	2	<1	<10	15	<1	<10	<2	0.04	<1	1	<.5	<5	<1	<30	<50	220	<25	7	12	8	14	38	<10	<10
19678	898	<1	2	<1	<10	95	<1	<10	323	0.02	<1	<1	<.5	5	<1	<30	<50	300	<25	21	19	17	38	104	<10	<10
19679	898	<1	1	<1	<10	60	<1	<10	11	0.02	1	<1	<.5	10	<1	<30	<50	200	<25	17	14	7	15	85	<10	<10
19680	898	1	2	<1	<10	60	3	950	<2	0.01	<1	<1	<.5	10	<1	<30	<50	200	<25	16	8	8	22	77	<10	<10
19681	897	1	<1	3	<10	<10	<1	<10	335	0.02	<1	<1	.5	0	<1	<30	<50	160	<25	<1	8	4	10	<10	<10	<10
19682	909	1	1	<1	<10	95	<1	<10	<2	0.03	1	<1	<.5	50	<1	<30	<50	680	<25	22	13	7	17	73	<10	<10
19683	909	2	<1	<1	<10	125	<1	<10	<2	<0.01	1	1	<.5	80	<1	<30	<50	560	<25	25	16	8	23	84	<10	<10
19684	909	<1	<1	3	<10	40	<1	<10	<2	0.16	<1	<1	<.5	100	<1	<30	<50	80	<25	2	10	5	10	17	<10	<10
19685	909	<1	<1	<1	<10	830	<1	55	<2	0.02	<1	<1	<.5	95	<1	<30	<50	320	<25	27	20	7	18	87	<10	<10
19686	909	<1	<1	<1	<10	25	<1	<10	40	0.02	<1	<1	<.5	<5	<1	<30	<50	360	<25	<1	13	5	<5	18	<10	<10
19687	909	1	2	<1	<10	170	4	95	<2	0.03	1	<1	<.5	20	<1	<30	<50	2360	<25	10	12	6	14	44	<10	<10
19688	909	1	1	<1	<10	85	<1	<10	<2	0.03	1	<1	<.5	45	<1	<30	<50	440	<25	21	10	12	29	69	<10	<10
19689	909	2	1	1	<10	100	<1	<10	<2	0.03	1	1	<.5	40	<1	<30	<50	460	<25	19	9	9	25	64	<10	<10
19690	910	1	1	<1	<10	<10	<1	75	<2	0.14	2	<1	<.5	<5	<1	<30	<50	580	<25	1	5	3	7	<10	<10	<10
19691	910	1	<1	<1	<10	95	<1	<10	<2	0.03	<1	<1	<.5	40	<1	<30	<50	1000	<25	24	18	9	21	78	<10	<10
19692	910	1	1	<1	<10	40	<1	<10	<2	0.12	1	<1	<.5	370	<1	<30	<50	640	<25	15	14	5	15	48	<10	<10
19693	910	2	1	1	<10	80	<1	55	<2	0.03	1	2	<.5	90	<1	<30	<50	620	<25	24	15	7	19	80	<10	<10
19694	910	1	2	<1	<10	10	<1	200	<2	0.04	1	<1	<.5	120	<1	<30	<50	440	<25	1	5	3	6	<10	<10	<10
19695	910	<1	1	<1	<10	200	<1	<10	<2	0.05	2	<1	<.5	75	<1	<30	<50	680	<25	24	16	7	23	79	<10	<10
19696	910	<1	<1	2	<10	20	<1	<10	<2	0.05	3	<1	<.5	75	<1	<30	<50	260	<25	2	11	5	13	19	<10	<10
19697	910	1	<1	4	<10	200	3	115	<2	0.019	<1	<1	<.5	10	<1	<30	<50	660	<25	22	17	9	22	78	<10	<10
19698	910	<1	1	5	<10	20	<1	<10	<2	<0.01	<1	<1	<.5	<5	<1	<30	<50	500	<25	10	76	12	28	53	<10	<10
19699	910	<1	<1	<1	<10	150	<1	<10	<2	0.05	<1	<1	<.5	70	<1	<30	<50	540	<25	21	15	10	26	76	<10	<10
20652	910	<1	<1	<1	<10	175	<1	30	<2	0.05	<1	<1	<.5	90	<1	<30	<50	560	<25	21	63	14	39	72	<10	<10
20653	900	<1	<1	1	<10	10	4	65	<2	0.03	<1	<1	<.5	10	<1	<30	<50	100	<25	1	8	4	9	11	<10	<10
20654	900	<1	1	2	<10	30	4	<10	<2	0.02	<1	<1	.5	10	<1	<30	<50	280	<25	2	10	8	15	27	<10	<10
20655	900	1	<1	1	<10	70	<1	<10	<2	0.01	2	<1	<.5	50	<1	<30	<50	340	<25	4	7	6	11	21	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX D-3

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
19664	907	<1	40	34	70	150	<10	9	<1	302	54	203	.84	6.78	8.85	.18	45.24	15.63	.14	20	1.97	.19	290	170	11.56	1
19665	907	<1	85	25	25	295	90	<2	<1	332	68	194	.80	13.30	10.92	.16	45.15	18.42	.14	35	.57	1.50	250	30	2.14	1
19666	907	<1	65	19	45	150	<10	4	<1	211	47	127	.62	2.26	7.84	.07	68.67	14.27	.14	20	.68	1.82	230	45	.37	1
19667	897	<1	110	27	50	95	105	5	<1	126	52	161	.67	7.03	13.23	.08	52.32	15.64	.13	30	.06	4.05	340	25	.80	1
19668	897	<1	5	18	30	20	<10	16	4	136	23	18	.06	.91	33.04	.03	60.84	2.34	.06	<10	.04	.22	330	10	.20	1
19669	897	<1	15	19	<5	55	<10	8	<1	209	22	45	.16	1.11	15.23	.02	75.60	4.12	.05	<10	.02	.81	260	<10	.10	1
19670	897	<1	55	34	20	215	40	<2	<1	351	51	225	.73	6.00	10.42	.08	53.76	19.32	.06	25	.06	4.46	280	85	.14	1
19671	898	<1	95	86	25	75	<10	33	<1	431	34	116	.87	1.02	17.85	.04	57.85	14.48	.10	80	.09	1.99	440	<10	.17	<1
19672	898	<1	45	6	10	35	100	<2	6	284	13	157	1.13	.27	2.06	.01	64.07	21.48	.07	<10	.42	6.11	40	85	.13	1
19673	898	<1	45	38	<5	150	<10	<2	102	89	30	201	.60	.32	51.77	.03	21.54	16.74	.15	20	.19	3.88	440	40	.32	2
19674	898	<1	25	14	<5	15	<10	60	113	144	14	23	.06	.08	26.70	.01	68.58	1.65	.03	<10	.02	.25	260	<10	.04	<1
19675	898	<1	20	9	<5	25	<10	14	158	142	21	79	.77	.30	32.02	.01	34.64	20.90	.08	<10	.22	5.64	220	45	.19	<1
19676	898	<1	30	12	5	90	55	<2	<1	214	17	115	1.36	.51	13.26	.02	40.39	30.19	.10	15	.34	7.69	240	50	.23	1
19677	898	<1	80	78	<5	60	<10	<2	<1	41	40	65	.16	.28	87.05	.03	4.92	4.08	.10	15	.03	.40	700	<10	.18	6
19678	898	<1	25	14	5	65	<10	323	<1	225	14	117	.83	.36	8.17	.02	64.29	18.62	.06	10	.99	3.52	200	80	.14	<1
19679	898	2	60	58	10	100	<10	11	<1	200	22	97	.61	.42	26.06	.04	53.66	13.63	.11	30	.37	1.91	450	30	.20	<1
19680	898	<1	15	25	10	65	950	<2	3	204	16	91	.59	.28	8.81	.02	71.61	13.67	.04	15	.92	1.56	220	65	.10	<1
19681	897	<1	<5	11	0	35	<10	335	<1	189	23	7	.05	.44	23.38	.02	73.72	.92	.13	<10	.02	<.10	270	<10	.15	<1
19682	909	<1	60	41	50	80	<10	<2	<1	258	42	163	.97	2.21	11.08	.09	64.30	14.07	.27	30	1.11	.62	280	70	.51	<1
19683	909	<1	120	86	80	135	<10	<2	<1	227	58	204	1.17	7.92	14.65	.07	51.69	16.53	.20	80	.10	1.05	350	15	.37	<1
19684	909	<1	65	16	100	15	<10	<2	<1	152	27	22	.06	.45	36.74	.02	59.04	1.27	.06	<10	.04	.24	420	<10	.15	<1
19685	909	<1	115	66	95	140	55	<2	<1	260	54	229	1.20	3.70	19.51	.05	48.62	16.62	.06	20	.06	3.94	410	10	.16	<1
19686	909	<1	85	26	<5	15	<10	40	<1	66	44	18	.03	.65	86.57	.04	8.50	1.34	.27	<10	<.01	<.10	410	<10	.39	7
19687	909	<1	60	19	20	65	95	<2	4	178	37	69	.36	1.89	44.56	.05	38.34	8.06	.20	10	.02	2.35	350	10	.29	<1
19688	909	<1	110	91	45	180	<10	<2	<1	300	60	147	.74	6.67	22.53	.26	46.55	15.99	.16	35	.02	1.84	540	<10	.27	<1
19689	909	<1	75	27	40	130	<10	<2	<1	275	42	137	.62	6.55	11.28	.35	41.79	13.57	.15	25	.06	2.19	470	65	9.59	<1
19690	910	<1	40	13	<5	20	75	<2	<1	131	15	14	.02	.36	15.03	.19	79.17	.59	.22	<10	<.01	<.10	330	20	2.36	<1
19691	910	<1	50	23	40	60	<10	<2	<1	218	43	189	1.06	2.45	10.95	.07	61.01	15.91	.22	30	1.41	.98	280	90	.51	<1
19692	910	<1	45	20	370	60	<10	<2	<1	185	34	111	.55	1.98	11.52	.06	72.70	9.35	.12	25	.58	.33	290	40	.27	<1
19693	910	<1	60	19	90	65	55	<2	<1	232	41	181	1.05	2.07	9.95	.06	63.83	15.48	.20	30	1.44	.93	280	85	.36	<1
19694	910	<1	30	10	120	35	200	<2	<1	260	18	17	.04	.19	14.56	.02	81.61	1.01	.28	<10	.05	.28	310	<10	.42	<1
19695	910	<1	110	77	75	165	<10	<2	<1	237	64	181	1.08	5.78	16.13	.08	52.70	15.03	.24	40	.27	1.39	400	25	.47	<1
19696	910	<1	45	13	75	25	<10	<2	<1	152	27	26	.10	.97	35.88	.05	56.58	1.79	.08	<10	.01	.12	380	10	1.23	<1
19697	910	<1	150	80	10	95	115	<2	3	247	48	137	.96	6.54	25.45	.14	44.63	13.62	.22	40	.02	.98	610	15	.40	<1
19698	910	<1	140	60	<5	60	<10	<2	<1	218	50	49	.48	3.65	53.86	.13	30.48	6.02	.32	20	.01	<.10	630	20	.45	2
19699	910	<1	95	57	70	215	<10	<2	<1	315	60	149	.77	6.94	17.07	.18	49.25	16.17	.13	35	.02	2.44	440	<10	.46	<1
20652	910	<1	95	72	90	205	30	<2	<1	301	48	151	.68	6.17	11.54	.35	46.55	15.07	.19	25	.04	2.84	400	40	5.93	<1
20653	900	<1	45	9	10	10	65	<2	4	94	22	9	.04	.40	41.15	.03	55.11	.83	.04	<10	<.01	<.10	300	<10	.15	<1
20654	900	<1	30	17	10	25	<10	<2	4	120	19	27	.09	.67	27.62	.03	66.43	2.24	.18	<10	<.01	.18	360	<10	.32	<1
20655	900	<1	70	24	50	30	<10	<2	<1	141	25	26	.16	1.48	34.68	.05	56.95	3.84	.05	10	<.01	.21	400	<10	.09	<1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX D-4

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20656	899	2	<1	<1	<10	<10	5	<10	<2	0.03	3	<1	<.5	10	<1	<30	<50	200	<25	<1	13	2	<5	17	<10	<10
20657	899	<1	<1	<1	<10	550	<1	40	<2	0.01	2	<1	<.5	10	<1	<30	<50	380	<25	24	12	4	7	72	<10	<10
20658	899	<1	<1	<1	<10	25	<1	<10	<2	0.03	2	2	<.5	10	<1	<30	<50	300	<25	2	8	4	7	13	<10	<10
20659	899	<1	<1	<1	<10	145	<1	60	<2	0.02	<1	<1	<.5	40	<1	<30	<50	380	<25	18	8	2	6	67	<10	<10
20660	899	1	1	1	<10	1045	<1	<10	<2	0.01	<1	<1	<.5	<5	<1	<30	<50	440	<25	20	16	7	13	59	<10	<10
20661	899	<1	<1	3	<10	20	<1	<10	26	0.02	3	2	<.5	10	<1	<30	<50	300	<25	<1	10	4	5	<10	<10	<10
20662	899	1	<1	2	<10	65	232	45	<2	0.01	<1	<1	<.5	5	<1	<30	<50	440	<25	4	42	8	14	244	<10	<10
20663	899	<1	2	3	<10	<10	14	<10	<2	0.03	<1	<1	<.5	10	<1	<30	<50	280	<25	<1	13	4	<5	19	<10	<10
20664	899	1	1	2	<10	<10	<1	<10	<2	0.01	<1	<1	<.5	<5	<1	<30	<50	300	<25	<1	10	4	<5	18	<10	<10
20665	899	<1	1	2	<10	<10	<1	35	<2	0.01	<1	2	<.5	<5	<1	<30	<50	200	<25	<1	4	2	<5	<10	<10	<10
20666	899	<1	2	2	<10	190	<1	45	<2	0.04	<1	<1	<.5	95	<1	<30	<50	460	<25	10	35	24	50	67	<10	<10
20667	899	<1	<1	<1	<10	285	3	185	208	0.04	<1	1	<.5	55	<1	<30	<50	560	<25	11	48	27	67	185	<10	<10
20668	899	1	<1	3	<10	200	<1	<10	28	0.07	2	<1	<.5	55	<1	<30	<50	680	<25	11	47	33	80	201	<10	<10
20669	901	1	2	2	<10	285	<1	130	<2	0.05	<1	<1	<.5	230	<1	<30	<50	220	<25	8	13	6	16	39	<10	<10
20670	901	<1	<1	<1	<10	325	<1	<10	<2	0.04	<1	<1	<.5	35	<1	<30	<50	220	<25	8	10	7	15	43	<10	<10
20671	901	<1	1	3	<10	2210	<1	<10	<2	0.04	2	2	<.5	175	<1	<30	<50	500	<25	23	18	10	23	103	<10	<10
20672	901	<1	3	4	<10	45	5	30	<2	0.14	2	<1	<.5	60	<1	<30	<50	80	<25	2	9	5	10	<10	<10	<10
20673	901	<1	1	<1	<10	10	<1	45	<2	0.03	1	<1	<.5	25	<1	<30	<50	200	<25	<1	7	3	5	<10	<10	<10
20674	901	1	1	3	<10	<10	3	<10	<2	0.07	2	<1	<.5	80	<1	<30	<50	240	<25	<1	7	4	6	<10	<10	<10
20675	901	2	<1	<1	<10	<10	<1	<10	<2	0.02	<1	1	<.5	10	<1	<30	<50	180	<25	<1	8	5	9	16	<10	<10
20676	901	1	<1	5	<10	310	<1	<10	<2	0.01	<1	<1	<.5	25	<1	<30	<50	1000	<25	14	26	24	56	224	<10	<10
20677	901	1	<1	4	<10	190	<1	60	<2	0.04	1	1	<.5	265	<1	<30	<50	280	<25	11	12	9	17	42	<10	<10
20678	901	<1	1	3	<10	140	<1	<10	<2	0.03	<1	<1	<.5	95	<1	<30	<50	200	<25	11	14	11	19	57	<10	<10
20679	901	1	<1	4	<10	140	<1	45	<2	0.02	1	<1	<.5	5	<1	<30	<50	280	<25	12	13	7	18	45	<10	<10
20680	903	<1	<1	3	<10	<10	<1	<10	<2	0.45	2	<1	<.5	335	<1	<30	<50	120	<25	3	8	5	11	19	<10	<10
20681	903	<1	1	2	<10	<10	3	<10	<2	0.07	2	2	1.5	50	<1	<30	<50	160	<25	1	8	4	9	15	<10	<10
20682	903	2	3	1	<10	520	<1	30	<2	0.03	<1	<1	<.5	80	<1	<30	<50	200	<25	24	13	6	18	78	<10	<10
20683	903	<1	<1	3	<10	165	<1	<10	<2	0.03	<1	<1	<.5	110	<1	<30	<50	460	<25	27	16	7	18	86	<10	<10
20684	903	1	3	1	<10	470	20	70	<2	0.02	1	<1	<.5	35	<1	<30	<50	360	<25	26	10	8	16	72	<10	<10
20685	903	<1	2	1	<10	220	1	80	<2	0.02	1	<1	<.5	5	<1	<30	<50	260	<25	17	11	7	13	48	<10	<10
20686	903	2	<1	3	<10	15	<1	80	<2	0.01	1	<1	<.5	<5	<1	<30	<50	140	<25	2	10	6	13	27	<10	<10
20687	903	1	2	<1	<10	365	<1	25	<2	0.01	<1	2	<.5	<5	<1	<30	<50	280	<25	24	9	7	19	70	<10	<10
20688	903	1	<1	2	<10	65	40	230	16	0.04	<1	2	<.5	10	<1	<30	<50	400	<25	6	8	5	13	32	<10	<10
20689	903	1	1	1	20	105	<1	<10	15	0.03	1	1	<.5	60	<1	<30	<50	280	<25	21	11	10	27	73	<10	<10
20690	904	2	<1	5	<10	<10	12	25	<2	0.45	<1	<1	<.5	85	<1	<30	<50	240	<25	2	7	3	<5	16	<10	<10
20691	904	<1	1	1	<10	635	4	<10	<2	0.05	<1	1	<.5	20	<1	<30	<50	300	<25	14	6	11	28	73	<10	<10
20692	904	<1	<1	8	<10	10	99	<10	<2	4.4	1	<1	3.0	520	<1	<30	<50	240	<25	4	16	13	27	58	<10	<10
20693	904	<1	1	3	<10	<10	17	55	<2	1.01	<1	<1	<.5	80	<1	<30	<50	100	<25	<1	7	4	6	10	<10	<10
20694	904	<1	<1	16	<10	530	5	<10	11	0.31	2	1	<.5	155	<1	<30	<50	1280	<25	37	17	10	23	96	<10	<10
20695	904	<1	1	4	<10	60	13	<10	<2	0.21	<1	1	<.5	35	<1	<30	<50	160	<25	7	8	6	14	25	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
20656	899	<1	60	29	10	<5	<10	<2	5	115	32	13	.03	.23	57.20	.03	37.49	.60	.07	<10	.04	<.10	510	<10	.12	1
20657	899	<1	100	32	10	105	40	<2	<1	236	45	152	.73	5.59	13.90	.07	55.25	16.35	.10	40	.04	3.62	330	10	.16	<1
20658	899	<1	55	12	10	5	<10	<2	<1	217	22	30	.04	.42	37.10	.02	59.42	1.06	.05	<10	.01	<.10	460	<10	.04	<1
20659	899	<1	195	57	40	50	60	<2	<1	183	65	105	.63	8.07	28.20	.13	40.82	14.60	.05	120	.02	.80	700	<10	.09	<1
20660	899	2	80	37	<5	40	<10	<2	<1	201	26	120	.61	3.11	15.82	.05	60.80	13.23	.08	15	.03	3.62	330	<10	.10	<1
20661	899	<1	35	13	10	<5	<10	26	<1	98	20	7	.02	.20	37.29	.02	59.04	.58	.18	<10	<.01	<.10	350	<10	.21	<1
20662	899	<1	235	79	5	115	45	<2	232	10	65	19	.28	5.37	44.53	.15	25.61	15.90	.07	35	.05	.79	1100	10	.05	2
20663	899	<1	70	18	10	<5	<10	<2	14	134	27	15	.03	.32	46.98	.03	49.10	1.13	.21	<10	<.01	<.10	500	10	.24	<1
20664	899	<1	65	72	<5	5	<10	<2	<1	71	39	18	.02	.14	87.92	.03	8.62	.54	.18	<10	.01	.19	700	15	.21	3
20665	899	<1	20	16	<5	10	35	<2	<1	127	15	11	.02	.16	28.46	.02	67.98	.64	.05	<10	<.01	.12	430	<10	.02	<1
20666	899	<1	25	13	95	35	45	<2	<1	244	17	72	.39	1.24	9.36	.03	74.40	9.28	.04	10	.09	2.20	240	15	.03	<1
20667	899	<1	145	26	55	120	185	208	3	183	36	76	.51	4.81	9.32	.06	62.27	14.64	.11	70	.07	2.35	260	15	.12	<1
20668	899	<1	130	26	55	80	<10	28	<1	136	36	73	.39	3.52	7.45	.05	70.83	12.59	.07	35	.07	2.38	210	10	.06	1
20669	901	<1	55	26	230	35	130	<2	<1	173	34	74	.40	1.55	30.27	.03	57.36	5.95	.03	10	.02	1.27	410	<10	.03	<1
20670	901	<1	45	31	35	50	<10	<2	<1	172	28	70	.44	1.77	18.10	.04	69.52	6.71	.03	10	.04	1.33	420	<10	.03	<1
20671	901	<1	110	26	175	145	<10	<2	<1	124	47	189	1.18	2.88	12.05	.04	57.56	17.92	.03	15	.08	4.81	270	<10	.08	<1
20672	901	<1	45	17	60	<5	30	<2	5	128	25	25	.05	.27	27.94	.02	69.75	.87	.02	<10	<.01	.20	490	<10	<.01	<1
20673	901	<1	25	13	25	<5	45	<2	<1	200	18	<1	.01	.06	32.47	.02	65.74	.23	.12	<10	<.01	<.10	370	<10	.18	<1
20674	901	<1	35	16	80	<5	<10	<2	3	135	22	<1	.01	.15	50.90	.02	46.65	.39	.11	<10	<.01	.20	440	<10	.10	<1
20675	901	<1	50	12	10	<5	<10	<2	<1	157	23	1	.05	.50	42.82	.02	54.14	1.04	.05	<10	<.01	<.10	420	<10	.03	<1
20676	901	<1	50	13	25	10	<10	<2	<1	55	14	109	.89	1.65	4.08	.03	66.26	19.54	.05	10	.21	5.24	130	15	.12	2
20677	901	<1	55	11	265	90	60	<2	<1	230	24	73	.30	1.45	20.72	.03	66.79	6.60	.07	10	.03	1.54	350	<10	.08	<1
20678	901	<1	50	20	95	55	<10	<2	<1	240	23	59	.35	.98	18.39	.05	66.48	8.33	.05	15	.04	2.21	320	<10	.22	<1
20679	901	<1	55	17	5	95	45	<2	<1	201	34	64	.36	1.14	40.04	.04	45.18	7.63	.08	10	.02	2.15	480	<10	.12	<1
20680	903	<1	50	13	335	65	<10	<2	<1	148	24	23	.13	.87	26.00	.03	70.40	2.18	.01	10	.02	.29	360	<10	.11	<1
20681	903	<1	75	17	50	15	<10	<2	3	176	28	5	.06	.41	40.68	.02	55.85	1.00	.06	<10	.04	.13	480	<10	.12	<1
20682	903	<1	150	68	80	125	30	<2	<1	217	55	177	1.10	8.08	16.49	.05	51.18	15.18	.08	35	.03	2.16	420	<10	.14	<1
20683	903	<1	125	84	110	115	<10	<2	<1	231	54	208	1.17	6.46	14.21	.08	53.08	16.83	.25	60	.25	1.96	330	25	.39	<1
20684	903	<1	125	81	35	75	70	<2	20	198	38	156	.75	4.99	14.98	.10	53.34	16.56	.06	30	.06	3.64	360	10	.11	<1
20685	903	<1	100	26	5	25	80	<2	1	168	28	82	.46	3.36	29.54	.07	49.07	10.12	.07	25	.04	2.00	420	10	.12	<1
20686	903	<1	80	17	<5	15	80	<2	<1	95	39	9	.12	1.09	67.67	.06	26.80	2.35	.09	10	.05	.11	520	15	.15	2
20687	903	<1	90	28	<5	60	25	<2	<1	186	28	119	.73	3.18	12.20	.06	57.81	16.03	.07	25	.06	4.07	270	15	.14	<1
20688	903	<1	40	19	10	20	230	16	40	206	18	39	.19	1.70	14.99	.04	77.46	4.34	.04	10	.01	.64	280	<10	.04	<1
20689	903	<1	85	14	60	155	<10	15	<1	318	51	132	.68	7.25	13.17	.26	46.53	15.15	.15	35	1.86	1.14	460	55	5.40	<1
20690	904	<1	180	17	85	20	25	<2	12	207	25	22	.06	.81	31.09	.04	62.98	1.48	.10	<10	.40	<.10	380	<10	.67	<1
20691	904	<1	180	27	20	50	<10	<2	4	130	32	100	.48	3.47	16.47	.07	54.36	15.54	.13	25	.10	3.26	370	40	.21	<1
20692	904	3	130	57	520	35	<10	<2	99	78	69	30	.22	1.74	51.37	.05	35.99	4.92	.12	<10	.01	<.10	700	<10	.13	<1
20693	904	<1	110	11	80	15	55	<2	17	201	25	10	.03	.20	35.21	.02	61.98	.60	.07	<10	<.01	<.10	320	<10	.04	<1
20694	904	<1	215	74	155	205	<10	11	5	70	89	297	1.64	2.31	15.80	.30	50.08	17.24	.15	25	.05	4.45	380	15	.39	<1
20695	904	<1	115	20	35	50	<10	<2	13	191	23	63	.22	.97	17.66	.03	76.05	3.33	.04	10	<.01	.31	420	<10	.04	<1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20696	904	1	2	8	<10	315	3	<10	<2	0.26	1	<1	<.5	155	<1	<30	<50	580	<25	24	22	19	41	91	<10	<10
20697	904	1	<1	6	10	445	3	50	<2	0.34	3	<1	1.5	125	<1	<30	<50	480	<25	19	15	12	30	84	<10	<10
20698	904	<1	<1	3	<10	40	4	<10	<2	0.04	<1	<1	<.5	75	<1	<30	<50	220	<25	12	17	6	13	70	<10	<10
20699	904	<1	<1	20	<10	285	<1	<10	<2	2.3	3	2	1.5	145	<1	<30	<50	280	<25	6	10	20	47	124	<10	<10
20700	904	<1	<1	1	<10	230	<1	60	<2	0.11	<1	1	.5	175	<1	<30	<50	180	<25	3	6	11	22	71	<10	<10
20701	904	<1	<1	<1	<10	<10	14	25	<2	1.46	<1	<1	<.5	15	<1	<30	<50	100	<25	<1	18	6	13	24	<10	<10
20702	904	<1	<1	20	<10	320	<1	<10	<2	1.85	<1	<1	.5	155	<1	<30	<50	380	<25	11	12	30	67	118	<10	<10
20703	905	1	<1	4	<10	135	4	115	<2	0.15	3	<1	<.5	45	<1	<30	<50	400	<25	27	56	20	48	106	<10	<10
20704	905	2	<1	<1	<10	10	<1	<10	<2	1.26	<1	<1	<.5	55	<1	<30	<50	540	<25	3	89	28	65	26	<10	<10
20705	905	<1	<1	<1	<10	75	<1	<10	<2	1.41	<1	<1	<.5	85	<1	<30	<50	780	<25	16	32	14	33	93	<10	<10
20706	905	1	2	1	<10	45	<1	110	<2	0.56	<1	<1	<.5	75	<1	<30	<50	860	<25	14	11	6	16	63	<10	<10
20707	905	2	1	3	<10	35	<1	<10	<2	0.41	6	<1	<.5	5	<1	<30	<50	300	<25	8	18	8	19	43	<10	<10
20708	905	2	2	<1	<10	250	<1	<10	<2	0.17	5	1	<.5	5	<1	<30	<50	2100	<25	20	25	19	44	94	<10	<10
20709	905	1	1	5	<10	40	<1	<10	<2	0.15	3	<1	1.0	35	<1	<30	<50	160	<25	14	34	49	88	49	<10	<10
20711	906	2	<1	<1	<10	180	13	<10	<2	0.13	3	1	<.5	95	<1	<30	<50	360	<25	24	15	9	23	66	<10	<10
20712	906	2	2	<1	<10	60	4	<10	<2	3.0	5	<1	<.5	285	<1	<30	<50	300	<25	24	30	15	33	73	<10	<10
20713	906	2	1	<1	<10	35	10	<10	<2	0.45	2	2	.5	95	<1	<30	<50	300	<25	27	8	8	20	61	<10	<10
20714	906	2	1	<1	<10	165	<1	70	<2	0.32	1	<1	<.5	45	<1	<30	<50	300	<25	10	65	40	92	237	<10	<10
20715	906	3	1	1	<10	215	<1	30	<2	0.12	1	<1	<.5	125	<1	<30	<50	440	<25	22	26	20	50	128	<10	<10
20716	906	1	1	<1	<10	495	3	40	<2	0.03	2	<1	<.5	25	<1	<30	<50	240	<25	36	18	11	29	95	<10	<10
20717	906	<1	1	<1	<10	<10	<1	<10	<2	0.09	5	1	<.5	45	<1	<30	<50	1080	<25	37	18	7	17	93	<10	<10
20719	906	<1	3	2	<10	75	3	45	<2	0.17	4	1	<.5	85	<1	<30	<50	680	<25	28	15	7	16	53	<10	<10
20720	921	2	2	2	25	165	<1	35	18	0.26	3	<1	<.5	65	<1	<30	<50	180	<25	24	31	11	26	81	<10	<10
20721	921	<1	2	<1	<10	350	5	60	<2	0.60	1	<1	<.5	85	<1	<30	<50	280	<25	10	25	22	56	138	<10	<10
20722	921	<1	1	<1	15	185	<1	<10	<2	0.04	2	3	<.5	45	<1	<30	<50	240	<25	29	13	5	14	54	<10	<10
20723	921	1	2	1	<10	425	14	<10	<2	0.33	3	2	1.0	55	<1	<30	<50	1200	<25	13	20	21	50	150	<10	<10
20724	921	1	2	<1	<10	310	4	<10	<2	0.48	1	2	<.5	55	<1	<30	<50	580	<25	35	20	10	29	95	<10	<10
20725	921	1	<1	<1	<10	85	<1	100	<2	0.11	3	3	<.5	115	<1	<30	<50	580	<25	26	15	5	16	54	<10	<10
20726	921	2	<1	<1	<10	65	<1	45	8	0.49	2	<1	<.5	85	<1	<30	<50	460	<25	18	11	6	12	48	<10	<10
20727	921	1	<1	<1	<10	60	<1	<10	<2	0.11	<1	<1	<.5	55	<1	<30	<50	560	<25	15	10	7	20	47	<10	<10
20728	921	<1	1	<1	<10	25	5	40	<2	0.06	2	1	<.5	45	<1	<30	<50	720	<25	18	8	6	18	61	<10	<10
20741	919	1	1	<1	<10	60	<1	<10	<2	0.55	4	2	<.5	15	<1	<30	<50	320	<25	3	39	38	90	219	<10	<10
20742	919	1	2	<1	<10	100	<1	<10	<2	0.27	3	<1	3.0	5	<1	<30	<50	280	<25	3	45	35	82	249	<10	<10
20743	919	2	1	<1	15	60	3	<10	<2	0.65	3	2	<.5	15	<1	<30	<50	220	<25	2	51	26	64	158	<10	<10
20744	919	<1	2	2	25	85	2	<10	<2	0.24	1	<1	<.5	5	<1	<30	<50	360	<25	3	50	35	88	253	<10	<10
20745	919	2	2	<1	10	70	<1	<10	3	0.23	1	1	<.5	5	<1	<30	<50	300	<25	2	117	76	150	187	<10	<10
20746	919	1	1	<1	25	90	2	<10	<2	0.19	3	<1	<.5	15	<1	<30	<50	220	<25	3	61	44	98	270	<10	<10
20747	919	1	1	1	15	95	2	<10	<2	0.14	1	<1	<.5	5	<1	<30	<50	240	<25	3	63	33	77	249	<10	<10
20748	919	1	1	<1	25	115	<1	<10	<2	0.08	1	<1	<.5	5	<1	<30	<50	300	<25	3	56	42	97	285	<10	<10
20749	919	<1	<1	<1	10	180	<1	<10	<2	0.16	2	<1	<.5	25	<1	<30	<50	440	<25	3	68	48	110	290	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
20696	904	<1	145	88	155	140	<10	<2	3	210	62	232	.96	3.94	17.06	.09	56.82	13.92	.07	60	.16	1.55	440	35	.26	4
20697	904	<1	60	28	125	70	50	<2	3	123	46	157	.82	2.10	9.34	.05	67.48	13.12	.04	30	.37	2.07	240	40	.12	2
20698	904	<1	95	83	75	45	<10	<2	4	103	28	109	.46	3.16	30.01	.07	54.14	7.87	.06	40	.04	<.10	570	20	.14	6
20699	904	<1	205	66	145	195	<10	<2	<1	111	58	66	.37	2.97	28.73	.22	37.02	16.58	.05	15	.34	1.75	640	70	.13	6
20700	904	<1	55	22	175	55	60	<2	<1	106	19	26	.18	1.15	7.73	.04	66.33	16.96	.11	<10	.74	2.16	1400	205	.14	2
20701	904	2	135	45	15	125	25	<2	14	19	78	12	.06	1.84	57.27	2.39	5.76	2.66	.02	10	.03	<.10	150	<10	.20	7
20702	904	<1	140	89	155	115	<10	<2	<1	137	45	88	.51	2.62	18.59	.10	53.51	16.35	.04	15	.34	2.25	430	100	.12	3
20703	905	<1	125	94	45	190	115	<2	4	314	60	205	.87	6.08	13.16	.13	53.69	17.89	.21	30	.10	1.10	300	45	.32	2
20704	905	<1	35	12	55	35	<10	<2	<1	236	15	25	.06	.65	4.50	.02	88.52	1.84	.62	10	.02	.10	100	<10	.84	<1
20705	905	<1	105	37	85	70	<10	<2	<1	147	40	114	.54	1.76	10.57	.05	66.48	13.47	.24	25	1.15	.57	260	80	.37	1
20706	905	<1	40	24	75	135	110	<2	<1	181	51	92	.45	1.09	8.85	.04	73.72	11.04	.24	20	1.05	.65	200	75	.48	1
20707	905	<1	55	22	5	80	<10	<2	<1	184	34	52	.26	.76	31.52	.04	58.72	6.06	.19	20	.16	.39	420	15	.25	3
20708	905	<1	45	21	5	95	<10	<2	<1	228	28	136	.77	.64	21.96	.04	44.19	16.56	2.83	15	.60	3.49	200	70	4.02	3
20709	905	<1	130	61	35	305	<10	<2	<1	96	118	114	.34	1.88	66.81	.07	11.56	9.81	.11	30	.05	.25	700	20	.11	7
20711	906	<1	190	61	95	225	<10	<2	13	302	68	193	.87	4.71	27.98	.14	41.89	16.25	.11	30	.03	1.49	600	<10	.21	3
20712	906	3	255	66	285	130	<10	<2	4	228	68	188	.87	5.90	43.16	.15	25.78	15.33	.30	30	.04	.61	560	<10	.47	2
20713	906	<1	160	87	95	215	<10	<2	10	356	67	200	1.02	8.34	15.49	.13	47.22	18.01	.19	60	.09	.66	280	<10	.34	1
20714	906	<1	95	22	45	45	70	<2	<1	72	21	72	.33	2.33	7.02	.04	73.45	11.22	.06	10	.08	1.57	150	20	.07	1
20715	906	<1	110	32	125	150	30	<2	<1	222	45	165	.72	4.07	10.23	.10	63.46	14.79	.20	15	.09	2.02	240	20	.30	1
20716	906	<1	115	68	25	180	40	<2	3	293	68	301	1.53	6.52	15.55	.13	45.75	20.99	.27	25	.22	1.81	290	45	.47	2
20717	906	3	230	63	45	160	<10	<2	<1	168	89	421	1.55	9.61	33.71	.25	24.26	18.68	1.09	25	.06	<.10	700	10	1.67	2
20719	906	<1	105	19	85	240	45	<2	3	282	69	225	1.00	1.64	10.49	.04	64.62	16.19	.11	20	1.25	1.57	280	75	.21	1
20720	921	<1	150	27	65	125	35	18	<1	207	46	177	.68	6.06	8.86	.12	49.23	14.14	.12	30	1.66	1.17	410	135	7.79	1
20721	921	<1	80	14	85	50	60	<2	5	122	22	69	.32	3.28	4.73	.06	62.28	12.34	.08	10	1.23	2.36	230	130	4.81	1
20722	921	<1	100	21	45	80	<10	<2	<1	207	39	208	.64	5.56	9.25	.16	47.27	15.15	.09	30	1.52	1.22	420	110	9.77	1
20723	921	<1	135	18	55	85	<10	<2	14	176	31	96	.49	4.14	5.98	.08	63.90	13.14	.17	30	.13	3.14	220	70	3.10	1
20724	921	<1	120	86	55	260	<10	<2	4	320	83	276	1.07	5.30	19.26	.07	42.59	20.80	.24	35	.66	1.98	550	60	.45	2
20725	921	<1	65	19	115	230	100	<2	<1	284	66	201	.89	1.75	9.32	.13	64.49	14.95	.20	15	1.31	1.07	260	95	.56	1
20726	921	<1	75	34	85	600	45	8	<1	282	52	138	.59	2.29	14.23	.35	61.67	11.06	.14	15	.81	.43	410	70	1.29	1
20727	921	<1	85	31	55	90	<10	<2	<1	232	37	108	.42	2.92	14.56	.59	53.51	9.36	.11	20	.50	.44	520	70	6.04	1
20728	921	<1	90	83	45	80	40	<2	5	240	40	127	.51	4.47	24.59	.82	39.14	12.09	.11	20	.39	.35	700	90	5.52	2
20741	919	<1	145	22	15	5	<10	<2	<1	87	9	11	.11	3.25	7.08	.12	73.61	8.20	.03	35	.26	.57	230	40	1.34	1
20742	919	<1	65	13	5	15	<10	<2	<1	70	6	<1	.13	1.98	3.52	.05	78.03	9.49	.03	20	.50	1.42	110	55	.79	2
20743	919	<1	75	12	15	10	<10	<2	3	122	4	6	.08	3.88	3.81	.24	71.07	5.79	.03	10	.34	.88	240	50	5.52	1
20744	919	<1	80	11	5	10	<10	<2	2	85	6	5	.12	2.40	3.22	.03	78.00	9.30	.03	25	.44	1.37	100	45	.69	2
20745	919	<1	60	9	5	5	<10	3	<1	76	4	10	.09	3.36	3.05	.31	63.60	7.11	.02	10	.45	1.23	270	65	8.42	2
20746	919	<1	70	9	15	10	<10	<2	2	72	6	<1	.13	2.37	3.17	.03	76.75	9.69	.03	20	.45	1.79	110	45	1.02	2
20747	919	<1	70	12	5	10	<10	<2	2	61	6	6	.12	2.68	3.09	.04	75.69	9.00	.03	20	.25	1.74	140	30	1.81	2
20748	919	<1	120	13	5	10	<10	<2	<1	57	7	13	.14	2.96	3.23	.02	75.42	10.41	.04	25	.20	2.17	120	25	.84	2
20749	919	<1	110	14	25	20	<10	<2	<1	59	6	3	.15	2.50	3.26	.03	75.09	11.05	.04	15	.14	2.75	110	20	1.25	2

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20750	919	1	<1	<1	<10	320	2	<10	6	0.21	3	<1	<.5	55	<1	<30	<50	480	<25	18	44	20	51	154	<10	<10
20751	919	1	<1	2	<10	365	<1	<10	3	0.11	<1	1	<.5	55	<1	<30	<50	260	<25	24	26	7	17	56	<10	<10
20752	919	<1	1	1	<10	345	<1	<10	7	0.04	<1	2	<.5	35	<1	<30	<50	220	<25	24	21	7	15	49	<10	<10
20753	919	<1	1	4	10	80	<1	<10	18	0.02	<1	1	<.5	65	<1	<30	<50	1180	<25	26	12	5	14	55	<10	<10
20754	919	1	<1	1	<10	275	<1	<10	<2	0.13	1	1	<.5	85	<1	<30	<50	380	<25	7	9	15	35	56	<10	<10
20755	919	<1	1	<1	<10	90	15	<10	3	1.06	<1	2	.5	65	<1	<30	<50	200	<25	7	9	4	7	26	<10	<10
20756	919	1	2	<1	<10	<10	3	<10	4	0.15	<1	<1	<.5	5	<1	<30	<50	160	<25	<1	8	4	7	<10	<10	<10
20757	919	1	1	<1	<10	110	2	20	6	0.05	1	1	<.5	65	<1	<30	<50	400	<25	21	13	7	18	67	<10	<10
20758	919	1	1	1	<10	<10	8	<10	<2	0.37	<1	2	<.5	15	<1	<30	<50	300	<25	<1	7	3	5	<10	<10	<10
20759	919	1	<1	<1	<10	<10	24	<10	<2	0.65	2	<1	.5	55	<1	<30	<50	140	<25	1	8	4	8	18	<10	<10
20760	919	1	1	2	<10	<10	32	<10	<2	0.72	<1	<1	<.5	15	<1	<30	<50	320	<25	1	7	2	5	11	<10	<10
20761	919	1	<1	4	<10	<10	23	15	<2	1.00	<1	<1	<.5	75	<1	<30	<50	260	<25	<1	2	2	5	<10	<10	<10
20762	919	2	<1	9	<10	315	38	<10	3	1.57	1	1	1.0	105	<1	<30	<50	800	<25	17	11	8	18	67	<10	<10
20763	919	<1	1	4	<10	<10	6	<10	<2	0.66	2	1	<.5	115	<1	<30	<50	120	<25	1	3	2	<5	11	<10	<10
20764	919	1	2	<1	<10	95	<1	<10	4	0.09	2	1	<.5	105	<1	<30	<50	1380	<25	30	15	6	15	65	<10	<10
20767	917	2	1	1	<10	100	<1	<10	<2	0.01	1	2	<.5	75	<1	<30	<50	360	<25	24	13	7	17	69	<10	<10
20768	917	<1	2	<1	<10	270	2	<10	3	0.08	5	<1	<.5	75	<1	<30	<50	740	<25	23	17	12	29	97	<10	<10
20769	917	1	2	<1	<10	30	3	20	3	0.40	3	2	<.5	75	<1	<30	<50	360	<25	4	13	6	13	36	<10	<10
20770	917	<1	<1	<1	<10	<10	<1	<10	6	0.14	1	2	<.5	50	<1	<30	<50	280	<25	<1	19	4	10	10	<10	<10
20771	917	1	<1	<1	10	670	<1	<10	4	0.16	<1	2	<.5	70	<1	<30	<50	1180	<25	14	12	17	35	80	<10	<10
20772	917	1	<1	4	<10	150	3	<10	<2	0.37	<1	<1	<.5	60	<1	<30	<50	960	<25	8	54	23	60	210	<10	<10
20773	917	<1	1	3	<10	70	<1	<10	16	0.06	<1	3	<.5	80	<1	<30	<50	1120	<25	23	20	14	35	100	<10	<10
20774	917	1	<1	3	<10	<10	<1	<10	<2	0.33	<1	<1	<.5	230	<1	<30	<50	340	<25	4	30	8	20	30	<10	<10
20775	917	<1	<1	5	<10	30	<1	<10	<2	0.09	1	3	<.5	80	<1	<30	<50	480	<25	1	31	8	15	20	<10	<10
20776	917	<1	<1	6	10	440	<1	<10	<2	0.04	<1	<1	<.5	45	<1	<30	<50	1100	<25	3	24	21	45	160	<10	<10
20777	917	2	3	5	<10	300	<1	<10	<2	0.12	1	<1	<.5	30	<1	<30	<50	560	<25	2	72	34	80	240	<10	<10
20778	917	1	<1	7	<10	20	<1	<10	<2	0.10	<1	<1	4.0	75	<1	<30	<50	200	<25	<1	106	5	15	10	<10	<10
20779	917	<1	1	3	<10	560	<1	<10	<2	0.14	<1	<1	2.5	35	<1	<30	<50	1540	<25	2	8	19	45	90	<10	<10
20780	917	<1	<1	<1	<10	30	5	<10	<2	0.63	<1	<1	<.5	235	<1	<30	<50	500	<25	3	8	6	10	20	<10	<10
20781	917	<1	<1	3	<10	360	<1	<10	<2	0.11	<1	<1	<.5	45	<1	<30	<50	1480	<25	17	12	16	35	80	<10	<10
20782	917	<1	<1	<1	<10	160	40	<10	<2	0.37	<1	<1	.5	70	<1	<30	<50	600	<25	9	17	9	20	50	<10	<10
20783	917	<1	<1	<1	<10	260	11	<10	<2	0.13	<1	<1	<.5	60	<1	<30	<50	640	<25	14	47	28	65	190	<10	<10
20784	917	1	3	3	<10	120	48	<10	4	0.65	<1	<1	.5	50	<1	<30	<50	820	<25	4	12	6	15	20	<10	<10
20785	917	1	<1	4	<10	10	12	<10	<2	0.03	1	<1	.5	70	<1	<30	<50	380	<25	1	10	4	10	<10	<10	<10
20786	917	1	1	8	<10	20	197	<10	<2	0.04	<1	<1	.5	85	<1	<30	<50	340	<25	1	7	3	5	<10	<10	<10
20787	917	<1	5	3	<10	10	36	<10	<2	0.09	<1	<1	<.5	135	<1	<30	<50	280	<25	3	8	3	10	10	<10	<10
20788	917	<1	<1	<1	<10	50	<1	<10	<2	0.14	<1	<1	<.5	45	<1	<30	<50	360	<25	3	5	4	5	10	<10	<10
20789	917	<1	2	2	<10	<10	<1	<10	<2	0.02	<1	<1	<.5	35	<1	<30	<50	340	<25	<1	1	<1	<5	<10	<10	<10
20790	917	<1	<1	4	<10	20	<1	<10	<2	0.09	<1	<1	<.5	85	<1	<30	<50	320	<25	14	12	6	15	50	<10	<10
20791	917	1	1	<1	20	60	6	<10	<2	0.18	<1	1	<.5	50	<1	<30	<50	580	<25	3	28	31	75	250	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
20750	919	<1	140	37	55	60	<10	6	2	178	30	133	.56	4.80	8.88	.17	52.03	12.32	.15	20	1.56	1.80	400	145	7.11	1
20751	919	<1	45	9	55	60	<10	3	<1	188	38	186	.53	3.87	6.29	.24	40.91	12.34	.09	<10	1.01	2.88	440	115	14.92	1
20752	919	<1	60	17	35	60	<10	7	<1	192	35	178	.59	3.87	6.85	.19	43.19	13.84	.08	20	2.41	1.33	410	105	13.98	<1
20753	919	<1	60	26	65	145	<10	18	<1	239	49	188	.78	7.17	9.11	.14	47.74	15.16	.12	25	2.26	.22	330	155	9.47	<1
20754	919	<1	60	17	85	30	<10	<2	<1	191	21	72	.29	3.45	10.08	.14	62.71	8.10	.17	10	.35	1.34	350	100	4.89	1
20755	919	<1	110	67	65	5	<10	3	15	123	33	61	.21	2.86	33.40	.22	43.53	4.74	.12	10	.67	.15	700	40	4.23	1
20756	919	2	20	66	5	<5	<10	4	3	144	23	15	.03	.36	34.53	.24	62.87	.65	.16	<10	.04	<.10	700	10	.54	<1
20757	919	<1	95	64	65	40	20	6	2	142	41	158	.65	7.38	21.16	.06	50.35	14.57	.13	120	.06	.33	510	15	.39	<1
20758	919	<1	30	69	15	<5	<10	<2	8	152	22	14	.04	.61	38.40	.28	55.36	.71	.18	<10	.04	<.10	700	10	.40	7
20759	919	<1	50	82	55	5	<10	<2	24	93	28	13	.07	1.51	33.15	.44	55.09	1.42	.14	<10	.01	.24	700	<10	.33	8
20760	919	<1	5	16	15	<5	<10	<2	32	202	16	16	.03	.15	19.27	.04	78.55	.84	.24	<10	.02	<.10	400	10	.34	<1
20761	919	<1	20	17	75	5	15	<2	23	205	21	9	.01	1.06	18.43	.51	69.99	.48	.10	<10	<.01	<.10	480	<10	.22	<1
20762	919	<1	445	27	105	85	<10	3	38	234	43	111	.57	1.57	13.41	.04	65.65	11.60	.12	20	.18	2.12	360	25	.19	2
20763	919	<1	55	15	115	30	<10	<2	6	166	26	3	.04	1.42	23.44	.89	59.50	.69	.06	<10	.02	.51	610	<10	.29	<1
20764	919	<1	55	14	105	180	<10	4	<1	315	62	242	1.07	1.22	6.41	.04	66.65	17.49	.24	15	1.81	1.63	180	135	.45	1
20767	917	<1	85	24	75	165	<10	<2	<1	263	52	187	.87	7.12	9.68	.12	50.33	15.36	.14	25	2.96	.22	290	195	9.10	<1
20768	917	<1	75	26	75	115	<10	3	2	249	47	182	.82	6.24	9.33	.14	47.28	14.05	.16	25	2.35	.87	410	195	11.00	<1
20769	917	<1	100	34	75	10	20	3	3	146	22	38	.17	2.31	24.11	.21	55.52	3.53	.09	<10	.16	<.10	610	35	5.22	<1
20770	917	<1	60	16	50	<5	<10	6	<1	155	13	<1	.02	1.33	18.37	.21	62.02	.38	.08	<10	.09	<.10	600	40	7.98	5
20771	917	<1	210	16	70	45	<10	4	<1	210	33	100	.50	5.47	5.68	.23	52.26	13.92	.21	20	1.02	3.51	360	230	6.53	3
20772	917	<1	245	20	60	40	<10	<2	3	120	21	56	.28	3.80	10.96	.26	57.74	9.82	.10	20	.28	1.91	460	80	5.46	3
20773	917	<1	355	88	80	65	<10	16	<1	290	61	164	.74	7.95	18.88	.22	40.04	13.27	.23	70	.05	.80	700	110	4.83	5
20774	917	<1	400	28	230	20	<10	<2	<1	150	25	37	.14	3.73	17.47	.49	53.59	2.64	.13	10	.06	<.10	660	120	8.04	3
20775	917	<1	220	24	80	10	<10	<2	<1	115	20	7	.07	1.64	23.12	.26	62.81	1.31	.09	10	.02	.11	540	100	3.46	4
20776	917	<1	140	16	45	25	<10	<2	<1	90	19	29	.24	3.12	4.18	.10	63.31	15.81	.12	20	.36	4.10	200	110	2.67	2
20777	917	<1	215	8	30	15	<10	<2	<1	70	10	15	.22	2.68	4.02	.07	69.82	13.18	.09	20	.70	2.19	160	170	1.77	2
20778	917	<1	70	20	75	<5	<10	<2	<1	185	17	<1	.03	.72	17.44	.13	74.72	1.15	.09	<10	.03	.15	540	50	1.97	3
20779	917	<1	135	24	35	5	<10	<2	<1	55	25	32	.30	3.43	10.74	.07	61.87	16.02	.19	40	.22	3.22	320	70	.44	3
20780	917	<1	125	20	235	30	<10	<2	5	185	38	30	.13	1.95	18.31	.13	67.05	2.85	.14	10	.06	.53	580	100	3.36	4
20781	917	<1	260	28	45	100	<10	<2	<1	200	50	121	.53	5.66	11.74	.25	44.21	13.09	.18	30	.23	2.51	560	180	7.17	3
20782	917	<1	165	28	70	85	<10	<2	40	210	41	69	.29	2.47	14.86	.22	65.50	6.40	.15	20	.07	.78	460	40	2.69	3
20783	917	<1	165	32	60	120	<10	<2	11	220	42	97	.46	3.20	10.77	.06	65.35	13.79	.12	30	.16	2.21	320	30	.33	3
20784	917	<1	60	20	50	35	<10	4	48	205	35	35	.13	.55	25.22	.03	67.56	3.28	.19	10	.03	.49	440	10	.31	5
20785	917	<1	35	8	70	20	<10	<2	12	200	23	23	.03	.23	24.71	.02	71.52	.77	.14	<10	.01	<.10	300	10	.18	4
20786	917	<1	50	8	85	30	<10	<2	197	235	23	19	.02	.28	21.33	.02	74.98	.91	.10	<10	<.01	<.10	400	<10	.13	3
20787	917	<1	50	16	135	35	<10	<2	36	270	23	18	.06	.41	19.55	.03	76.83	1.29	.10	<10	.02	<.10	420	<10	.14	3
20788	917	<1	40	8	45	30	<10	<2	<1	225	19	26	.12	.44	9.57	.02	84.61	2.02	.06	10	.02	.33	240	<10	.08	2
20789	917	<1	30	8	35	25	<10	<2	<1	215	14	<1	<.01	.08	12.83	.01	84.66	.26	.03	<10	<.01	<.10	280	<10	.03	1
20790	917	<1	190	80	85	170	<10	<2	<1	210	57	80	.36	3.22	29.92	.09	53.38	8.38	.06	30	.04	<.10	640	10	.15	5
20791	917	<1	90	16	50	50	<10	<2	6	110	23	20	.15	1.54	8.07	.03	78.36	8.25	.05	30	.51	.57	240	50	.08	2

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20792	917	<1	2	4	<10	80	<1	<10	<2	0.54	<1	<1	<.5	60	<1	<30	<50	840	<25	5	106	39	90	290	<10	<10
20793	917	<1	<1	3	10	10	22	<10	<2	1.39	<1	<1	.5	25	<1	<30	<50	360	<25	4	31	29	70	220	<10	<10
20794	917	1	3	<1	<10	130	5	<10	<2	1.24	<1	<1	.5	85	<1	<30	<50	360	<25	24	15	8	20	70	<10	<10
20795	917	<1	<1	<1	10	<10	<1	<10	<2	<0.01	1	<1	<.5	25	<1	<30	<50	1620	<25	19	12	14	30	60	<10	<10
20796	917	<1	<1	<1	<10	200	<1	<10	<2	<0.01	2	<1	<.5	65	<1	<30	<50	960	<25	35	18	10	25	80	<10	<10
20797	917	1	2	<1	<10	90	<1	<10	<2	0.11	<1	<1	<.5	25	<1	<30	<50	660	<25	26	14	8	20	60	<10	<10
20798	917	<1	<1	6	<10	260	<1	<10	<2	0.12	<1	<1	<.5	5	<1	<30	<50	1360	<25	10	12	30	60	100	<10	<10
20799	917	1	<1	8	10	70	<1	<10	<2	0.98	<1	<1	<.5	35	<1	<30	<50	840	<25	10	69	34	75	190	<10	<10
20800	715	1	4	7	<10	60	<1	<10	<2	2.9	1	1	<.5	30	<1	<30	<50	560	<25	1	23	36	85	160	<10	<10
20801	715	<1	2	<1	<10	110	<1	<10	<2	0.77	<1	<1	<.5	45	<1	<30	<50	560	<25	2	20	32	75	220	<10	<10
20802	715	<1	2	4	<10	90	<1	<10	<2	0.04	<1	1	<.5	50	<1	<30	<50	320	<25	28	11	9	20	60	<10	<10
20803	715	<1	1	<1	<10	510	<1	<10	4	0.03	1	1	<.5	20	<1	<30	<50	640	<25	9	27	16	35	70	<10	<10
20804	634	2	2	3	<10	10	<1	<10	<2	0.04	1	<1	<.5	10	<1	<30	<50	440	<25	2	7	3	5	10	<10	<10
20805	634	<1	<1	3	<10	<10	<1	<10	<2	0.24	<1	2	<.5	35	<1	<30	<50	660	<25	2	7	4	10	10	<10	<10
20806	634	<1	1	1	<10	<10	<1	<10	<2	0.25	2	3	<.5	20	<1	<30	<50	260	<25	<1	2	3	5	<10	<10	<10
20807	634	<1	1	4	<10	<10	<1	<10	<2	0.05	1	<1	<.5	25	<1	<30	<50	280	<25	2	7	3	5	<10	<10	<10
20808	634	<1	1	<1	<10	<10	11	<10	<2	0.41	1	<1	.5	155	<1	<30	<50	340	<25	<1	5	3	5	<10	<10	<10
20809	634	1	4	6	<10	<10	7	<10	<2	0.39	<1	<1	.5	30	<1	<30	<50	220	<25	<1	6	3	10	<10	<10	<10
20810	634	1	1	7	<10	<10	5	<10	<2	0.22	1	1	.5	265	<1	<30	<50	260	<25	<1	9	5	10	<10	<10	<10
20811	634	1	<1	8	<10	10	<1	<10	<2	0.10	<1	<1	<.5	35	<1	<30	<50	500	<25	<1	6	3	5	<10	<10	<10
20812	634	1	1	7	<10	<10	<1	<10	<2	0.13	1	<1	<.5	55	<1	<30	<50	40	<25	<1	6	3	5	<10	<10	<10
20813	634	<1	1	4	<10	<10	<1	<10	<2	0.11	<1	<1	<.5	75	<1	<30	<50	480	<25	<1	7	4	10	10	<10	<10
20814	634	2	2	3	<10	40	<1	<10	<2	0.07	2	1	<.5	130	<1	<30	<50	480	<25	18	14	8	20	90	<10	<10
20815	634	1	<1	3	<10	60	3	<10	<2	0.44	<1	1	<.5	45	<1	<30	<50	220	<25	1	4	3	5	<10	<10	<10
20816	634	1	<1	<1	<10	<10	8	<10	10	0.23	<1	<1	<.5	35	<1	<30	<50	160	<25	<1	7	4	10	<10	<10	<10
20817	634	1	3	<1	<10	90	<1	<10	<2	0.05	<1	<1	<.5	70	<1	<30	<50	680	<25	21	18	25	60	90	<10	<10
20818	634	1	1	<1	<10	10	6	<10	<2	0.15	2	<1	<.5	30	<1	<30	<50	480	<25	1	11	5	15	10	<10	<10
20819	634	1	<1	10	<10	20	3	<10	<2	0.09	3	<1	<.5	30	<1	<30	<50	360	<25	6	26	21	50	160	<10	<10
20820	634	1	<1	<1	<10	20	5	<10	<2	0.23	1	<1	<.5	55	<1	<30	<50	300	<25	<1	13	7	15	20	<10	<10
20821	634	2	<1	<1	<10	30	13	<10	<2	0.07	2	<1	<.5	455	<1	<30	<50	560	<25	<1	10	5	10	20	<10	<10
20822	634	1	<1	1	<10	840	35	<10	4	0.37	1	<1	.5	115	<1	<30	<50	400	<25	8	48	13	30	310	<10	<10
20823	634	1	1	3	10	810	3	<10	<2	0.17	<1	1	<.5	85	<1	<30	<50	660	<25	12	19	57	120	300	<10	<10
20824	634	3	<1	<1	<10	1700	<1	<10	<2	0.07	2	2	<.5	60	<1	<30	<50	1780	<25	9	16	75	150	300	<10	<10
20825	634	2	<1	3	<10	1250	<1	<10	<2	0.14	1	2	<.5	45	<1	<30	<50	1380	<25	4	12	52	110	220	<10	<10
20826	634	2	<1	15	<10	110	6	<10	<2	2.20	1	<1	.5	35	<1	<30	<50	1800	<25	1	73	23	55	130	<10	<10
20827	614	1	<1	11	<10	<10	<1	<10	6	0.66	1	<1	<.5	55	<1	<30	<50	160	<25	2	12	3	5	<10	<10	<10
20828	614	2	<1	10	<10	110	3	<10	<2	0.05	2	1	<.5	25	<1	<30	<50	460	<25	32	18	6	15	60	<10	<10
20829	614	2	<1	2	10	50	<1	<10	4	0.08	1	<1	<.5	30	<1	<30	<50	120	<25	4	7	3	10	20	<10	<10
20830	614	1	<1	<1	<10	40	<1	<10	<2	0.02	<1	<1	<.5	40	<1	<30	<50	300	<25	28	19	8	20	70	<10	<10
20831	614	2	<1	<1	10	80	<1	<10	4	0.04	<1	<1	<.5	60	<1	<30	<50	340	<25	25	14	8	15	70	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
20792	917	<1	145	28	60	45	<10	<2	<1	65	23	18	.23	2.13	7.82	.04	75.12	10.44	.05	30	.68	.72	220	60	.07	2
20793	917	<1	180	104	25	60	<10	<2	22	95	32	19	.12	2.92	17.35	.11	66.47	8.55	.04	60	.06	<.10	500	<10	.03	2
20794	917	<1	110	24	85	135	<10	<2	5	265	62	188	.86	1.95	9.72	.06	66.73	13.98	.16	30	1.09	1.42	260	90	.29	2
20795	917	<1	230	24	25	720	<10	<2	<1	1890	108	208	.54	13.14	10.97	.07	56.30	12.74	.15	80	.02	.15	340	<10	.23	2
20796	917	<1	155	28	65	260	<10	<2	<1	705	82	263	1.13	4.88	10.24	.07	55.89	19.82	.22	60	1.52	1.76	300	140	.41	2
20797	917	<1	150	52	25	150	<10	<2	<1	290	59	198	.84	2.91	12.91	.13	63.16	14.45	.16	40	.96	.90	360	90	.28	2
20798	917	<1	185	44	5	100	<10	<2	<1	130	42	84	.47	5.42	12.43	.08	58.60	16.04	.20	80	.34	2.31	340	50	.29	2
20799	917	<1	215	24	35	175	<10	<2	<1	150	37	77	.34	3.13	9.31	.06	72.59	9.90	.10	40	.41	.94	280	50	.16	2
20800	715	<1	85	24	30	30	<10	<2	<1	125	23	3	.08	2.00	8.47	.03	74.63	6.01	.04	10	.05	1.85	260	<10	.08	2
20801	715	<1	120	20	45	35	<10	<2	<1	90	17	13	.11	2.16	4.87	.04	78.90	7.79	.05	10	.03	2.33	120	<10	.04	2
20802	715	<1	125	24	50	195	<10	<2	<1	245	57	200	.90	7.91	10.80	.17	47.28	15.68	.15	40	2.31	.34	360	180	6.79	1
20803	715	<1	80	20	20	75	<10	4	<1	230	26	98	.28	2.97	5.93	.05	73.12	11.94	.17	20	.17	2.15	180	40	.28	2
20804	634	<1	50	8	10	30	<10	<2	<1	165	24	1	.03	.35	23.90	.02	73.30	.75	.08	<10	.05	.27	300	<10	.19	3
20805	634	<1	55	20	35	40	<10	<2	<1	185	20	6	.05	.92	11.61	.36	79.33	.91	.04	<10	.02	.12	340	<10	.10	1
20806	634	<1	40	16	20	25	<10	<2	<1	185	22	2	.02	.28	20.95	.09	74.06	.35	.10	<10	.01	.35	400	<10	1.07	2
20807	634	<1	30	12	25	30	<10	<2	<1	195	20	5	.02	.21	16.31	.05	80.71	.46	.07	<10	<.01	.33	340	<10	.15	1
20808	634	<1	50	20	155	15	<10	<2	11	170	30	<1	.01	.10	41.45	.02	56.52	.20	.17	<10	<.01	.32	480	<10	.23	5
20809	634	<1	55	16	30	20	<10	<2	7	190	30	3	.01	.16	31.67	.02	66.13	.43	.13	<10	<.01	.22	440	<10	.17	3
20810	634	<1	50	8	265	<5	<10	<2	5	240	10	<1	.01	.15	5.09	.01	91.44	.47	.07	<10	.04	<.10	120	<10	.15	<1
20811	634	<1	45	8	35	<5	<10	<2	<1	200	10	4	.02	.12	15.08	<.01	82.75	.37	.33	<10	<.01	<.10	320	<10	.46	<1
20812	634	<1	40	20	55	<5	<10	<2	<1	195	8	3	.01	.11	15.22	.01	82.84	.35	.35	<10	<.01	<.10	320	<10	.47	<1
20813	634	<1	50	16	75	<5	<10	<2	<1	160	25	4	.01	.28	38.61	.02	58.39	.34	.35	<10	.02	<.10	560	<10	.51	<1
20814	634	<1	150	92	130	230	<10	<2	<1	265	52	131	.63	9.88	13.90	.11	50.73	16.01	.14	60	.05	1.26	400	<10	.25	<1
20815	634	<1	120	24	45	<5	<10	<2	3	185	18	10	.03	.60	23.84	.02	73.66	.82	.11	<10	.01	<.10	480	<10	.16	<1
20816	634	<1	215	16	35	<5	<10	10	8	130	17	5	.01	.25	28.86	.01	68.28	.39	.16	<10	<.01	<.10	500	<10	.22	<1
20817	634	<1	170	92	70	180	<10	<2	<1	585	50	154	.55	7.20	16.65	.04	57.77	11.15	.25	30	.03	.47	460	20	.38	1
20818	634	<1	65	16	30	<5	<10	<2	6	165	22	13	.03	.32	36.98	.02	61.08	.80	.21	<10	.01	<.10	540	<10	.28	<1
20819	634	<1	140	60	30	<5	<10	<2	3	50	31	32	.27	5.10	27.42	.05	52.15	9.72	.09	10	.02	.11	700	<10	.13	2
20820	634	<1	55	20	55	<5	<10	<2	5	140	22	11	.04	.63	32.32	.07	63.88	1.34	.17	<10	.05	<.10	560	10	.27	<1
20821	634	<1	60	48	455	<5	<10	<2	13	110	34	4	.02	.18	47.51	.02	49.90	.32	.18	<10	.02	<.10	640	<10	.26	<1
20822	634	<1	95	20	115	115	<10	4	35	240	24	56	.54	5.35	4.33	.08	54.78	12.24	.44	20	3.45	1.81	360	350	7.21	1
20823	634	<1	120	16	85	230	<10	<2	3	340	36	107	.53	5.35	4.36	.09	53.29	11.98	.44	10	3.41	1.42	300	340	7.17	1
20824	634	<1	100	24	60	145	<10	<2	<1	235	27	65	.83	7.42	5.56	.09	45.88	10.67	.77	20	4.15	<.10	400	510	8.49	<1
20825	634	<1	90	20	45	170	<10	<2	<1	260	31	65	.63	5.82	4.52	.08	52.12	12.02	.57	10	3.35	1.35	320	1350	7.38	1
20826	634	<1	125	24	35	<5	<10	<2	6	85	11	12	.09	2.25	8.53	.22	71.88	5.18	.05	10	.26	.92	260	90	4.88	<1
20827	614	<1	65	20	55	5	<10	6	<1	185	25	25	.03	.62	17.35	.03	77.62	2.17	.08	10	.01	<.10	400	<10	.20	<1
20828	614	<1	45	16	25	50	<10	<2	3	310	20	264	1.05	.92	5.37	.02	65.66	16.91	.07	10	1.17	3.44	140	80	.19	<1
20829	614	<1	65	24	30	30	<10	4	<1	200	30	35	.13	1.17	32.25	.02	62.66	2.91	.10	10	.03	.31	380	<10	.13	<1
20830	614	<1	125	24	40	170	<10	<2	<1	280	51	193	.74	7.74	9.21	.16	46.82	15.17	.16	30	2.16	.39	340	150	7.60	<1
20831	614	<1	110	16	60	195	<10	4	<1	310	48	179	.69	7.25	8.90	.18	45.77	14.70	.14	30	2.37	.26	340	120	8.67	<1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	Sb	As	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
20832	614	1	3	2	<10	480	<1	<10	<2	0.14	<1	<1	<.5	45	<1	<30	<50	500	<25	12	23	18	40	100	<10	<10
20833	614	1	1	5	<10	230	<1	<10	4	0.08	2	1	<.5	60	<1	<30	<50	400	<25	12	39	32	70	160	<10	<10
20834	635	1	1	1	<10	30	6	<10	6	0.04	1	<1	<.5	170	<1	<30	<50	240	<25	3	12	5	10	10	<10	<10
20835	635	1	<1	4	<10	40	<1	<10	4	0.69	<1	<1	<.5	70	<1	<30	<50	440	<25	20	8	4	10	40	<10	<10
20836	635	1	1	4	<10	<10	<1	<10	<2	0.97	2	1	<.5	120	<1	<30	<50	280	<25	2	16	10	20	20	<10	<10
20837	635	1	1	<1	<10	80	3	<10	<2	0.19	<1	<1	<.5	40	<1	<30	<50	680	<25	7	123	38	90	250	<10	<10
20838	635	1	1	2	<10	20	<1	<10	<2	1.38	2	<1	.5	35	<1	<30	<50	920	<25	3	38	13	30	40	<10	<10
20839	695	1	<1	3	<10	40	3	<10	<2	0.15	1	1	<.5	25	<1	<30	<50	1060	<25	23	26	27	65	110	<10	<10
20840	751	<1	<1	1	<10	<10	13	<10	<2	0.39	1	<1	<.5	70	<1	<30	<50	360	<25	3	15	7	15	30	<10	<10
20841	751	<1	<1	4	<10	<10	5	<10	<2	0.49	2	<1	<.5	20	<1	<30	<50	200	<25	<1	9	3	5	<10	<10	<10
20842	751	1	2	1	<10	70	<1	<10	<2	1.57	2	1	<.5	20	<1	<30	<50	620	<25	6	149	30	65	120	<10	<10
20843*	965	1	<1	1	20	580	3	<10	<2	0.26	<1	1	<.5	75	<1	<30	<50	480	<25	12	19	23	45	90	<10	<10
20844*	965	<1	<1	13	20	<10	38	<10	4	0.58	<1	1	.5	100	2	<30	<50	1000	<25	18	24	35	75	130	<10	<10

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* These samples are replicates of prepared pulps with previously analyzed Au values (drill hole #965 is imaginary). See section on Duplicate Sample Results.

PROJECT 265
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
20832	614	<1	95	12	45	60	<10	<2	<1	130	26	89	.46	3.29	4.51	.09	58.01	15.68	.17	20	1.85	3.31	180	120	6.00	<1
20833	614	<1	120	20	60	100	<10	4	<1	130	27	82	.39	4.41	6.96	.14	54.93	11.58	.08	20	1.21	1.42	320	120	9.36	<1
20834	635	<1	40	8	170	15	<10	6	6	225	13	22	.05	.46	5.93	.02	89.33	1.36	.13	<10	.09	<.10	160	10	.75	<1
20835	635	<1	145	16	70	120	<10	4	<1	170	59	165	.52	2.85	29.66	.07	51.68	9.49	.09	30	.23	.35	560	20	.29	1
20836	635	<1	75	88	120	10	<10	<2	<1	175	26	8	.06	.69	20.03	.16	72.61	1.88	.14	10	<.01	<.10	420	<10	.30	<1
20837	635	<1	115	20	40	30	<10	<2	3	80	25	44	.23	2.72	5.95	.03	76.95	10.27	.07	30	.54	.94	160	50	.12	1
20838	635	<1	60	16	35	10	<10	<2	<1	225	19	17	.12	1.00	5.33	.02	87.91	3.04	.05	10	.06	<.10	140	<10	.08	<1
20839	695	<1	190	64	25	325	<10	<2	3	785	58	88	.69	4.94	20.39	.13	53.08	12.53	.65	70	.03	.19	560	30	.96	<1
20840	751	<1	85	16	70	10	<10	<2	13	160	24	19	.05	1.18	17.40	.74	68.99	1.38	.18	<10	.03	<.10	440	10	1.31	<1
20841	751	<1	50	20	20	<5	<10	<2	5	125	19	13	.02	.28	24.89	.07	71.98	.56	.13	<10	<.01	<.10	340	<10	.20	<1
20842	751	<1	100	28	20	25	<10	<2	<1	140	27	50	.29	1.49	10.89	.03	76.01	7.25	.05	20	.29	.32	280	40	.07	<1
20843*	965	<1	100	24	75	50	<10	<2	3	205	30	114	.46	2.28	5.55	.09	67.87	12.01	.17	20	2.28	2.25	220	280	3.82	<1
20844*	965	<1	155	32	100	105	<10	4	38	265	39	165	.66	4.63	7.78	.13	56.36	13.37	.28	20	2.26	3.17	300	450	4.83	1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

* These samples are replicates of prepared pulps with previously analyzed Au values (drill hole #965 is imaginary). See section on Duplicate Sample Results.

Project 266

ARCHEAN GREENSTONE SAMPLING PROJECT

ABSTRACT

This project analyzed 213 samples from 12 drill holes located in the granite-greenstone terrane of north central Minnesota (east central Beltrami County).

Gold values over 1 ppm were confirmed in DDH RL-25. Mineralization appears to be associated with Bi, Sb, As, Se, S, Ag, Cu, Mo, and Fe_2O_3. In DDH TIT-3, a small interval of calcareous "blackschist" alteration was observed, but the adjacent rock was only weakly mineralized.

Samples were analyzed for:

Au, Pt, Pd, Bi, Sb, As, B, Ba, S, Se, Te, Ag, Cu, Ni, Mo, W, Sn, F, Ga, Sc, Y, La, Ce, Zr, Nb, Ta, Cd ,Zn, Pb, Cr, Co, V, TiO_2, MgO, Fe_2O_3, MnO, SiO_2, Al_2O_3, P_2O_5, Li, Na_2O, K_2O, Rb, Sr, CaO, and Be.

INTRODUCTION

This ongoing project sampled Archean greenstone belt rock drill core which is maintained at the Department of Natural Resources Core Repository (Library) in Hibbing, MN. These drill holes are largely from private mineral exploration companies and were drilled in their course of exploration for predominantly base and precious metals. Due to finite resources, private companies usually do very limited sampling, and often for only those few commodities that are motivating their exploration at the time. The purpose of this project is to sample and analyze some of these drill cores for metals not initially looked for in geographical areas where mineral exploration has waned. Besides information on precious and base metals, whole rock and trace element data may prove useful in placing drill holes in a regional geological context. Moreover indications of alteration associated with mineralization may be found which is otherwise not detectable.

Another aspect of this project was to expand upon data available from previous drilling and sampling activity within selected areas.

STRUCTURE OF REPORT

The next section of this report provides general background information about the area where the sampled drill holes were located.

The section on "Methodology of Sampling" discusses the pre-sampling work, the procedures, and the criteria used in sampling drill core. "Pre-sampling Work" also includes the preliminary data gathering and organizational information.

The next section then describes the contract analytical work including sample preparation and duplicate samples.

The section "Discussion of Results" includes the sample numbers vs. sample value plots and any comments concerning the actual rock samples or drill holes.

Lastly, a section on conclusions will close the body of the report; this is followed by the appendices.

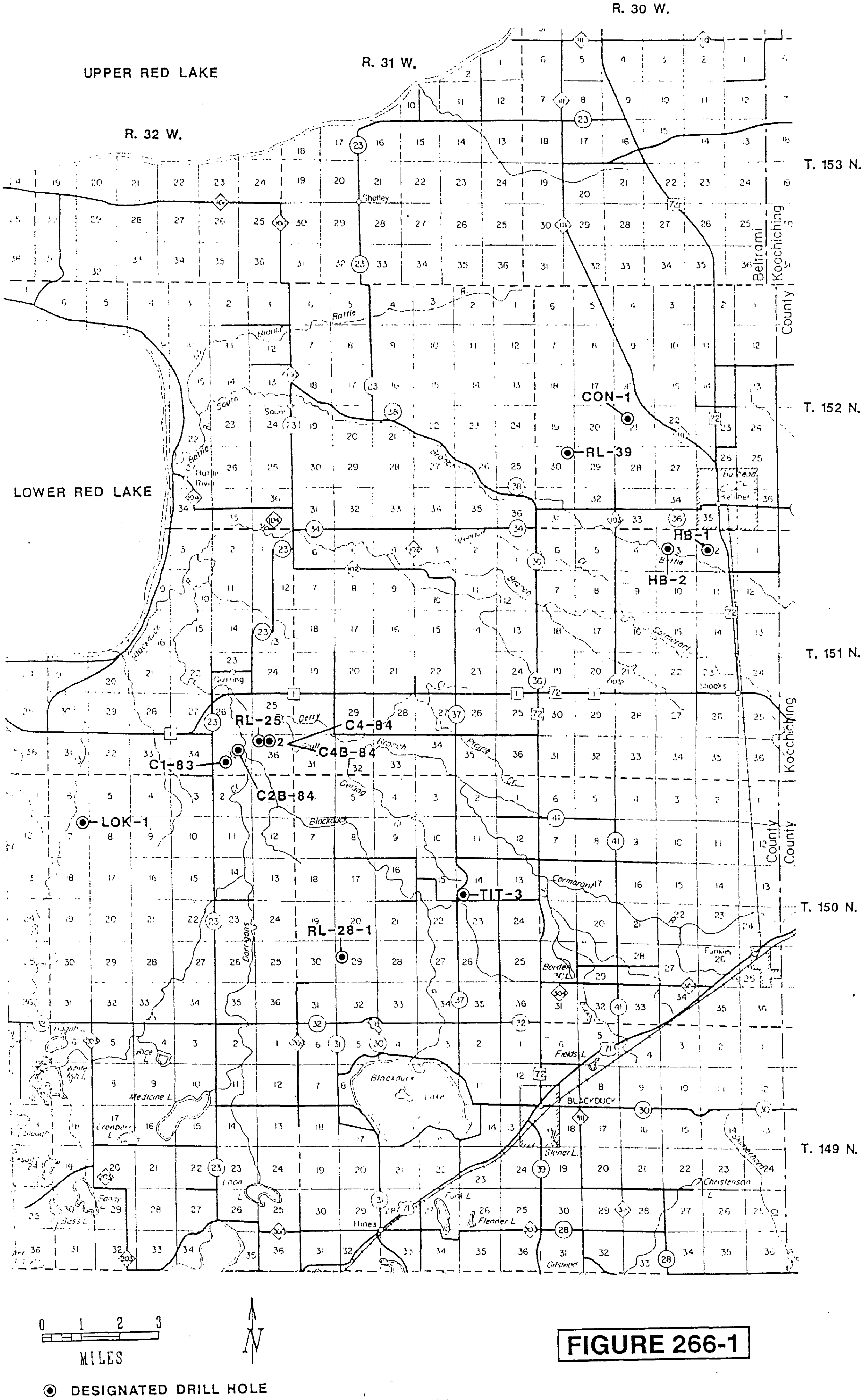
R. 30 W.
R. 31 W.
R. 32 W.
UPPER RED LAKE
LOWER RED LAKE
T. 153 N.
T. 152 N.
T. 151 N.
T. 150 N.
T. 149 N.
Beltrami County
Koochiching County
Shotley
Gurning
Blackduck
Hines
CON-1
RL-39
HB-1
HB-2
RL-25
C4-84
C4B-84
C1-83
C2B-84
LOK-1
TIT-3
RL-28-1
0 1 2 3
MILES
N
DESIGNATED DRILL HOLE

FIGURE 266-1

LOCATION, LAND OWNERSHIP, GENERAL ACCESSIBILITY, AND GENERAL GEOLOGY

The drill holes selected for sampling lie in Beltrami County, south and east of Red Lake in north-central Minnesota. This area is shown with the drill hole locations in Figure 266-1. The upper third of the area contains approximately 60% State of Minnesota land ownership, and 40% private ownership. The lower two thirds of the area is approximately 60% private ownership, with 30% county land, and 10% State of Minnesota land.

Access within the area on a year round basis is dependent on the road density which is quite variable. Wet, swampy ground in many parts, makes winter access a necessity. This is especially true in the north which is in the flat, ancient lake bed of Glacial Lake Agassiz.

The area falls within the undivided extension of the Wawa-Shebandowan volcano plutonic subprovince of the Superior Province. There are few outcrops in this portion of that granite-greenstone terrane, and overburden depths are typically 100 to 400 or more feet.

METHODOLOGY OF SAMPLING

One of the criteria for sampling these drill cores was that the drill holes could not be located in the proximity of currently leased state mineral lands, and therefore; it was necessary to plot drill hole locations on a current lease map.

The drill holes were then classified according to their distance from active State mineral leases. "A" classification meant **6 or more** miles between a drill hole and a current or proposed State lease. A "B" classification meant that the drill hole was **less than six miles** from current or proposed lease areas. A "C" classification is **in a proposed lease area**, but **greater than six miles** from active leases. A "D" classification is **in a proposed lease area**, but **1 to 6 miles** from active leases. An "E" classification is **less than a mile** from active leases.

After classification, all phases were directed first to holes designated "A" and then "B" and then "C" classifications. The number of drill holes found for each of the first 3 classifications were:

"A" = 187 drill holes

"B" = 72 drill holes

"C" = 82 drill holes.

For each of these drill holes a "Drill Hole Previous Sampling Inventory Sheet" (see Figure 266-2) was filled out with the following information:

1. Drill hole number
2. County
3. Section, Township, Range (Location)
4. Forty acre parcel (Location)
5. Whether a core or geophysical log was available
6. Footage of drill core
7. The number, footage interval, and analysis information
8. Indirect information (geophysical, geochemical work, geologic maps, etc.)
9. The date the sheet was filled out
10. The material to be examined

The analyses to be performed were generalized into the following groups:

Note: The abbreviation in parentheses (except those where the elements were listed as analyzed) were used on the sheets to identify the analyses performed.

<u>PRECIOUS METALS</u> - listed as analyzed (includes **Ru, Rh, Pd, Ag, Re, Os, Ir, Pt, Au**)

<u>WHOLE ROCK (**WR**)</u> - includes major oxides and also Na, Mg, K, Ca, Mn, Fe, Al, Si, P, Ti

<u>RARE EARTH ELEMENTS</u> (**REE**) - and associated elements: Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y, La

<u>BASE METALS (**BM**)</u> - includes Mg, Ti, Mn, Fe, V, Cr

<u>URANIUM/THORIUM (**U-TH**)</u> - listed as analyzed

<u>TRACE ELEMENTS (**TE**)</u> - include Li, Be, Rb, Sr

<u>SULFUR (**S**)</u> - listed as analyzed

FIGURE 266-2

DRILL HOLE PREVIOUS SAMPLING INVENTORY SHEET

1. Drill Hole #: ____________________ Date: ________________

2. County : ______ ______________

MATERIAL EXAMINED

DDH Core List	Lease File	Gen. File	Xplor.	Project File

3. S-T-R : _ _ _ _ _ _ _

4. Forty : ____________________

* *

5. Core Log: YES NO Geophysical Log: YES NO

6. Drilling Core Footage: from ___________ to ___________

7. Number of Analyses Footage Interval Analyses Type

Number of Analyses	Footage Interval	Analyses Type
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________
________________	_______ to _______	__________________________________

* *

8. Indirect Information or Comments:

____

____

____

____

Figure 266-3 shows a completed "Drill Hole Previous Sampling Inventory Sheet."

All of these sheets are now on open file at the Division of Minerals building in Hibbing, MN. The eventual intent is to integrate this data into the Minerals Database Project which is currently in development.

Because drill holes can have a wide variation in their sampling history, these sheets allow a quick determination of how much work has been done, and also how much is yet to be completed.

The drill holes initially chosen were located in Beltrami County. Drill holes are often clusered, and this area was no exception. The drill holes sampled are listed in Table 266-1

Pre-Sampling Work

All drill logs, analytical results, and other data were placed in open file for public examination on a monthly basis as they were received. This included the duplicate and standard sample analyses.

Sampling Procedures

The core for each drill hole was laid out in its entirety whenever possible. A general examination was made, after which temporary markers were used to indicate separate lithologic units and to mark areas of interest, including those to be sampled.

Drill core was examined in both wet and dry states; however, colors were recorded when it was wet. Color names were taken from the Geological Society of America Rock Color Chart. Core samples were sawed and bagged in accordance with the Department of Natural Resources core sampling procedures. A sample card containing the sampling information has been left within each interval. Some intervals are contained in more than one box, and consequently may appear to lack a sampling card if the wrong box is examined.

Sampling Criteria

The following criteria were used when selecting samples for analysis:

1. presence of sulfide or sulfosalt minerals;

2. presence of veining, especially with quartz, carbonate, sulfides;

3. chemical sediments such as cherts (especially with disseminated sulfides), iron formation (especially when sulfidized), carbonates (especially iron dolomites), tourmalinites, sulfides and graphitic rocks (?);

4. fractured-faulted intervals and adjacent rocks;

5. brittle-ductile deformation transitions;

6. lithologic contacts or transitions, including intrusive contacts;

7. oxidation-reduction, or other apparent chemical or process transitions;

8. unknown, dubious or unusual mineralogy or rock types.

The summarizing philosophy of this project was one of attempting to sample those intervals exhibiting the greatest variety of geologic processes.

A sample listing including the sample numbers, drillholes, footages and rock descriptions are given in Appendix A. During sample compositing, every attempt was made to keep the major lithotype of the subsamples the same.

FIGURE 266-3

DRILL HOLE PREVIOUS SAMPLING INVENTORY SHEET

1. Drill Hole #: IH 12 Date: 10-20-88

2. County : 36 Koochiching

MATERIAL EXAMINED

DDH Core List	Lease File	Gen. Xplor. File	Project File
			34-4

3. S-T-R : 16 159 25

4. Forty : SW-NW

* *

5. Core Log: YES NO Geophysical Log: YES NO

6. Drilling Core Footage: from 14 to 43

7. Number of Analyses / Footage Interval / Analyses Type

Number of Analyses	Footage Interval		Analyses Type
1	35	to 35	WR, Ag, Au, REE, TE, BM, Ir, Os, Pd, Pt, Re, Rh, Ru, Th, U
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	

* *

8. Indirect Information or Comments:

USGS Drill Hole Chemistry
International Falls - Roseau MN

TABLE 266-1. SAMPLED DRILL HOLE LIST

DDH	LENGTH OF CORE	S	T	R	40	ASSAY	TS	PTS	X-RAY
RL-25	387	36	151	32	NW-NW	4	0	0	0
LOK-1	389	7	150	32	NE-NE	5	0	0	0
CON-1	345	21	152	30	SE-NW	12	0	0	0
RL-28-1	730	29	150	31	SW-NW	10	1	1	1
RL-39	408	30	152	30	NE-NE	14	0	0	0
C2B-84	1353	35	151	32	NE-SW	51	2	3	1
C1-83	692	35	151	32	SW-NE	40	3	0	0
C4-84	274	36	151	32	NE-NW	12	0	0	0
C4B-84	390	36	151	32	NE-NW	18	0	0	0
TIT-3	630	14	150	31	SW-SW	39	4	1	1
HB-1	52	2	151	30	-	7	0	0	0
HB-2	7	3	151	30	-	1			
TOTAL						213	10	5	3

SAMPLE PREPARATION AND ANALYSIS

Technical Service Laboratories, Ltd. (TSL) of Mississauga, Ontario was awarded the contract for sample preparation and the analytical work.

Sample Preparation

For a complete discussion of how samples were prepared and the procedures for handling duplicate and standard samples, see the sections "Sample Preparation" and "Analytical Work and Duplicate Samples" within Project 265.

Table 266-2 describes the analytical package used for greenstone - granite terrane rocks. The following abbreviations are used in this table:

% = percent (parts per hundred)

PPM = parts per million

PPB = parts per billion

FA = fire assay

ICP = inductively coupled plasma emission spectrometry

AA = atomic absorption

SP ION EL = specific ion electrode

WR = whole rock (inductively coupled argon plasma emission spectrometry)

INAA = instrumental neutron activation analysis

This table indicates the detection limits, the sample weight used, the analytical method, and the overlimit values for the elements (and some oxides) analyzed for. Overlimit value refers to the highest analytical value for which quality results can be produced for a given analytical method and element.

Table 266-2. ANALYTICAL PACKAGE FOR GREENSTONE-GRANITE TERRANE ROCKS, SOILS, AND OTHER GEOLOGIC MATERIALS.

ELEMENT	DETECTION LIMIT	SAMPLE WEIGHT grams	ANALYTICAL METHOD	OVERLIMIT VALUE
MgO	.01 %	.2	WR	30 %
MnO	.01 %	.2	WR	20 %
Fe2O3	.01 %	.2	WR	60 %
TiO2	.01 %	.2	WR	20 %
V	1 ppm	.2	WR	10 %
Cr	5 ppm	.2	WR	10 %
Co	1 ppm	.2	WR	10 %
Ni	5 ppm	.2	WR	10 %
Cu	5 ppm	.2	WR	10 %
Pt	10 ppb	30	FA-ICP	50 ppm
Pd	1 ppb	30	FA-ICP	50 ppm
Ag	0.5 ppm	1	AA	30 ppm
Au	1 ppb	30	FA-ICP	50 ppm
As	1 ppm	1	HYDRIDE ICP	1 %
Sb	0.2 ppm	1	HYDRIDE ICP	1 %
Bi	3 ppm	1	HYDRIDE ICP	1 %
B	2 ppm	1	ICP	10 %
Ba	1 ppm	.2	WR	20 %
Te	10 ppm	1	HYDRIDE ICP	1 %
Se	5 ppm	1	HYDRIDE ICP	1 %
S	100 ppm	.5	LECO	20 %
F	20 ppm	.1	SP ION EL	1 %
Sn	50 ppm	.2	WR	10 %
W	30 ppm	.2	WR	10 %
Mo	1 ppm	1	AA	1 %
Pb	4 ppm	1	AA	1 %
Zn	5 ppm	.2	WR	10 %
Cd	1 ppm	.2	WR	10 %
Li	10 ppm	1	AA	10 %
Be	1 ppm	.2	WR	10 %
K2O	.01 %	.2	WR	30 %
Na2O	.01 %	.2	WR	30 %
CaO	.01 %	.2	WR	50 %
Rb	20 ppm	1	AA	10 %
Sr	1 ppm	.2	WR	10 %
P2O5	.01 %	.2	WR	30 %
Al2O3	.01 %	.2	WR	40 %
SiO2	%	.2	WR	-
Ga	25 ppm	1	ICP	10 %
Sc	1 ppm	.2	WR	10 %
Y	1 ppm	.2	WR	10 %
La	1 ppm	1	INAA	2 %
Ce	5 ppm	1	INAA	10 %
Zr	1 ppm	.2	WR	10 %
Nb	10 ppm	1	ICP	10 %
Ta	2 ppm	1	INAA	2 %

PRESENTATION AND DISCUSSION OF RESULTS

Appendix B contains a listing of the analytical results. These results are also displayed graphically in Figures 266-4, 266-5, 266-6, and 266-7 which are sample number vs. sample value plots.

The two high gold values (samples 21857 and 21858) were from drill hole RL25. These samples had previous been analyzed for gold and exhibited with high values, so our analyses were used as a "check" on TSL, and also to see how other elements varied with these samples.

These four figures indicate that the following elements also had "bumps" that were perhaps spatially related to Au "bumps": Bi, Sb, As, Ba (? weakly), S, Se, Ag, Cu, Mo, Fe_2O_3 (?), Pt, Pd, Na_2O, B, K_2O, Sr, and Rb. No one gold "bump" was associated with all the others.

One other apparently positive relationship noted in most the samples was between Li and Pd.

FIGURE 266-4

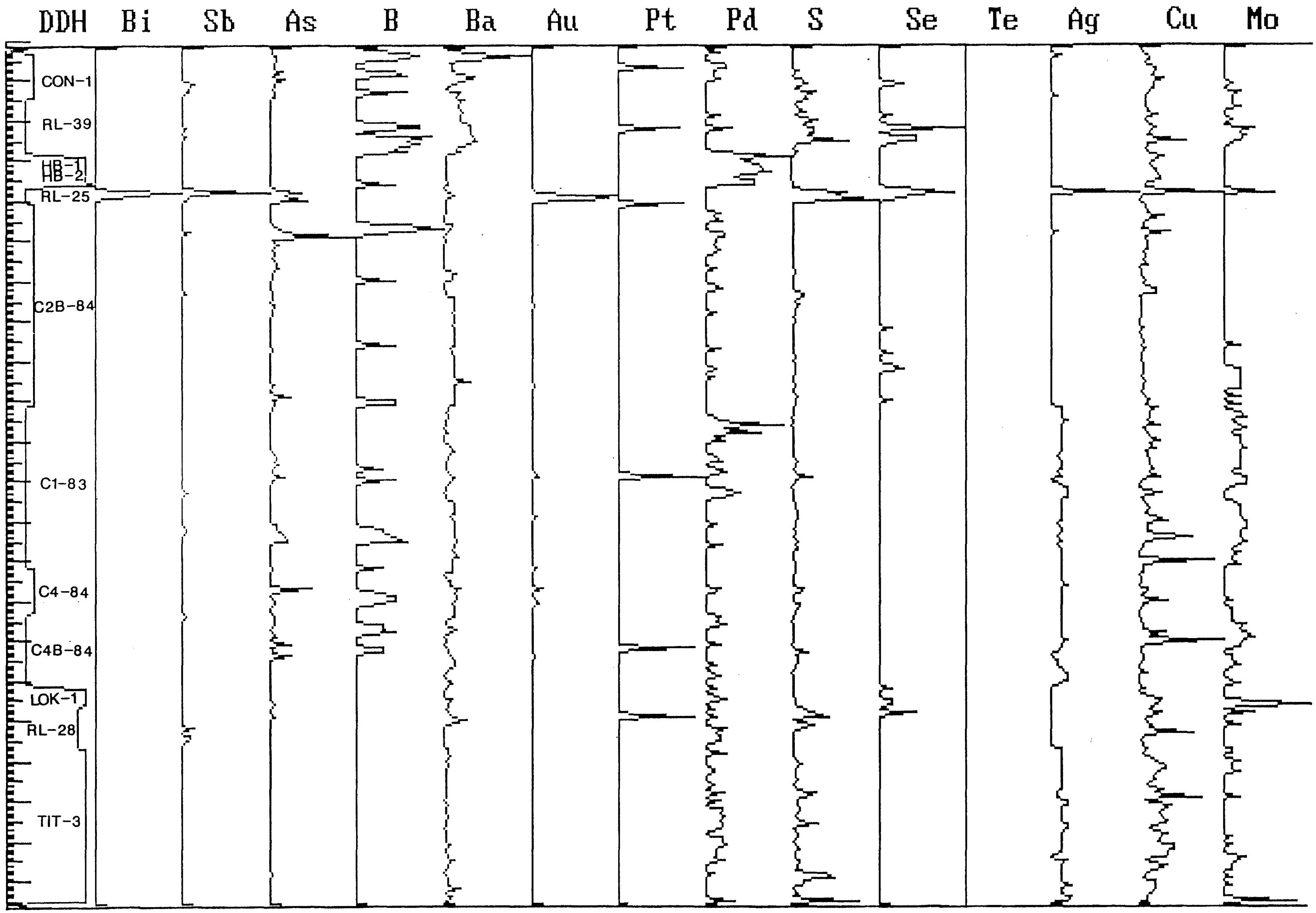

FIGURE 266-4: Sample Value vs. Sample # Plot for Archean Greenstone Sample Analyses (Bi, Sb, As, B, Ba, Au, Pt, Pd, S, Se, Te, Ag, Cu, Mo). Sample #'s are broken up by drill hole in the left column.

FIGURE 266-5

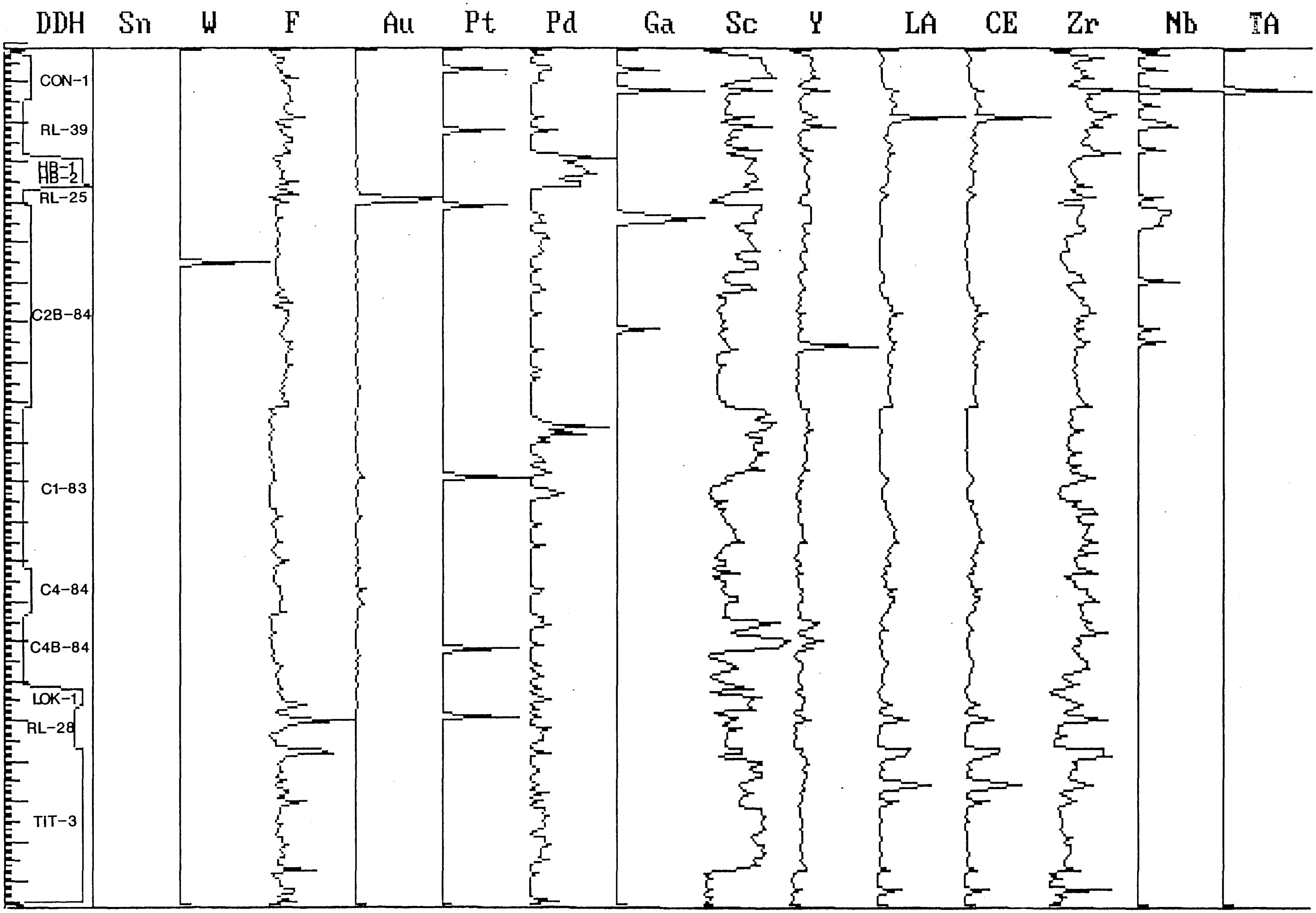

FIGURE 266-5: Sample Value vs. Sample # Plot for Archean Greenstone Sample Analyses (Sn, W, F, Au, Pt, Pd, Ga, Sc, Y, La, Ce, Zr, Nb, Ta). Sample #'s are broken up by drill hole in the left column.

FIGURE 266-6

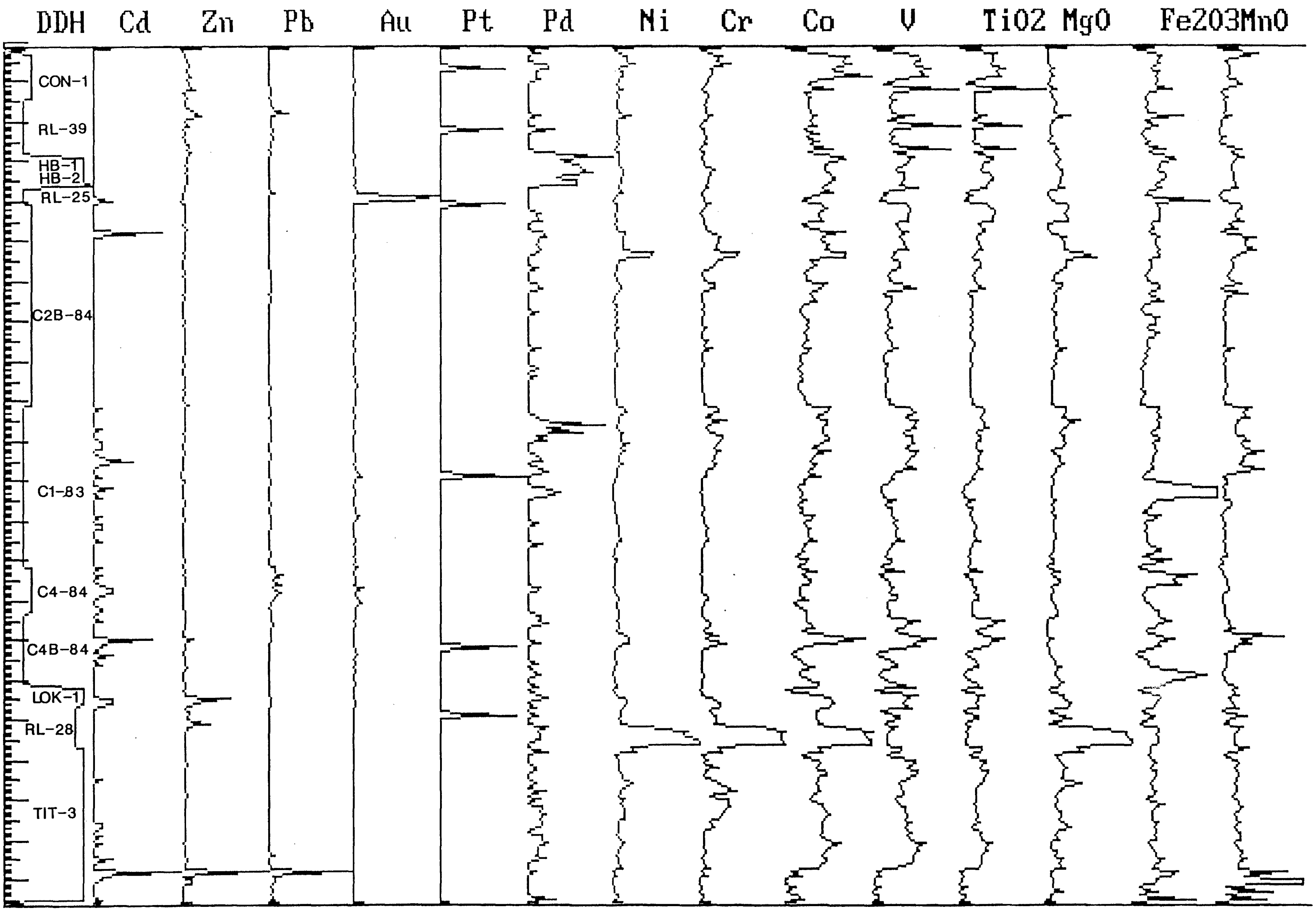

FIGURE 266-6: Sample Value vs. Sample # Plot for Archean Greenstone Sample Analyses (Cd, Zn, Pb, Au, Pt, Pd, Ni, Cr, Co, V, TiO2, MgO, Fe2O3, MnO). Sample #'s are broken up by drill hole in the left column.

FIGURE 266-7

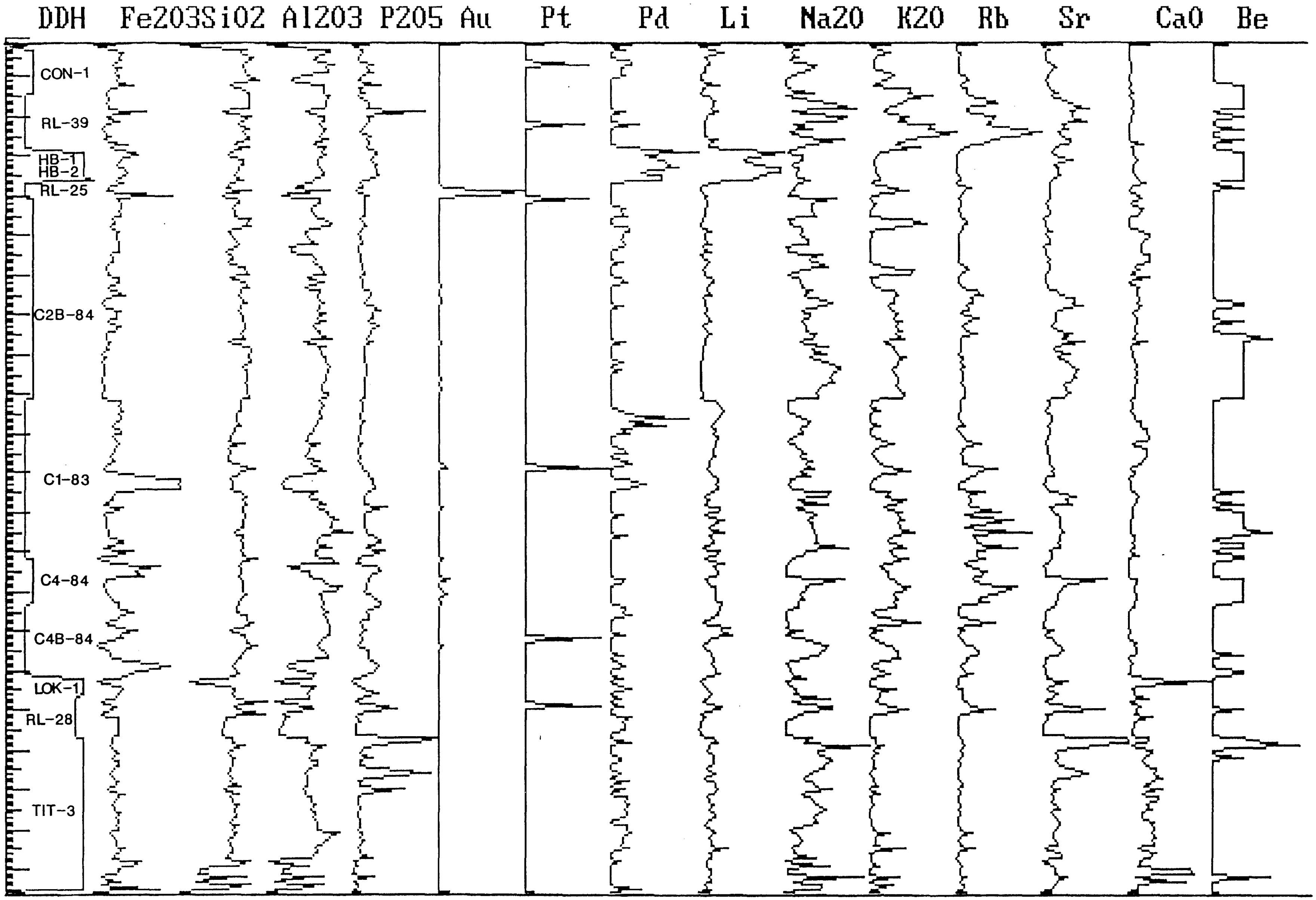

FIGURE 266-7: Sample Value vs. Sample # Plot for Archean Greenstone Sample Analyses (Fe2O3, SiO2, Al2O3, P2O5, Au, Pt, Pd, Li, Na2O, K2O, Rb, Sr, CaO, Be). Sample #'s are broken up by drill hole in the left column.

CONCLUSIONS

Of all the drill holes tested, only one had gold values above 1 ppm. Here Au was associated with Bi, Sb, As, Se, S, Ag, Cu, Mo and Fe2O3.

Samples in TIT-3 had low metal values, but one sample contained a chlorite-blackschist (ripidolite), sample number 22050. Unlike many massive sulfide blackschists, this one was quite calcareous.

Project 266

Archean Greenstone Sampling Project

APPENDICES

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
CON-1	18740		375-387		
		18740-A		375-377	Chloritic schist with some Fe-oxidation.
		18740-B		377-387	Chloritic schist.
	18759		390-393		Chloritic altered mafic tuff & lapilli chlorite schist.
	18758		393-395		Altered mafic tuff - chlorite schist.
	18741		395-400		Chloritic altered mafic tuff.
	21863		523-525		Felsic tuff.
	18786		525-531		Foliated felsic tuff with quartz veins.
	21851		552-553.5		Chloritic altered tuff.
	21864		553.5-562		Graphite schist - mylonite?.
	21860		564-570		Diabase intrusive with veins.
	21861		570-574.2		Mafic intrusive with Fe-oxides.
	21862		574.2-585		Graphite schist.
	18787		640-650		
		18787-A		640-644	Chloritic altered tuff with disseminated pyrite.
		18787-B		644-648	Chloritic altered tuff - chlorite schist with disseminated pyrite.
		18787-C		648-650	Chloritic altered tuff with quartz veins & disseminated pyrite.
RL-39	21885		375-379		Chlorite altered metasediments with calcite & pyrite veins, disseminated pyrite.
	21876		385-388		Dark gray, fine-grained metasediments.
	21884		414-425		Chlorite altered talc schist.
	21867		474-484		Metasediments altered to serpentine, chlorite; with pyrite in fractures.
	21874		489-491		Chlorite altered gabbro.

APPENDIX A-1

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
RL-39(cont.)	21875		491-492		Altered tuff with disseminated pyrite.
	21872		496.5-498		Chlorite altered diabase.
	21873		498-499.6		Graphite schist with disseminated pyrite.
	21883		499.6-504		Graphitic metasediments.
	21869		505-507.5		Graphite schist.
	21870		507.5-509		Metasediments with pyrite in veins.
	21871		509-514		Tuff & metasediments with pyrite in veins.
		21871-A		509-511	
		21871-B		511-514	
	21868		615-624		Diorite - gabbro.
	21866		651-661		Banded metasediments, interbedded hematite, garnet zones.
HB-1	22061		212-220		
		22061-A		212-215	Brown, weathered, clayey saprolite.
		22061-B		215-220	Brown, weathered, clayey saprolite.
	22062		220-230		
		22062-A		220-225	Brown, weathered, clayey saprolite.
		22062-B		225-230	Brown, weathered, clayey saprolite.
	22063		230-240		
		22063-A		230-235	Brown, weathered, clayey saprolite.
		22063-B		235-240	Green, weathered, clayey, chloritic saprolite.
	22064		240-250		
		22064-A		240-245	Brown, weathered, clayey saprolite.
		22064-B		245-250	Brown, weathered, clayey saprolite.
	22065		250-260		
		22065-A		250-255	Green, weathered, clayey, chloritic saprolite.
		22065-B		255-260	Green, weathered, clayey, chloritic saprolite.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
HB-1(cont.)	22066		260-270		
		22066-A		260-265	Brown, weathered, clayey saprolite.
		22066-B		265-270	Green, weathered, clayey, chloritic saprolite.
	22067		270-273		Green, weathered, clayey, chloritic saprolite.
HB-2	22068		283-290		Green, metavolcanic.
RL-25	21859		569-573		Black diabase.
		21859-A		569-571	
		21859-B		571-573	
	21856		608-614		Graphitic tuff with metasediments.
	21857		614.5-617		Graphitic metasediments with some chlorite alteration.
	21858		658-658.5		Chert & hematite iron formation.
C2B-84	21899		435-446		Metadiorite with chlorite, grades to chlorite schist.
	21900		446-454		Chlorite schist with calcite veins.
	21893		466-478		
		21893-A		466-468	Chlorite schist with quartz-calcite veins, disseminated pyrite.
		21893-B		468-470	Chlorite schist with quartz-calcite veins, disseminated pyrite.
		21893-C		470-472	Chlorite schist with quartz-calcite veins, disseminated pyrite.
		21893-D		472-474	Chlorite schist with quartz-calcite veins, disseminated pyrite.
		21893-E		474-476	Chlorite schist with quartz-calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21893(cont.)		466-478		
		21893-F		476-478	Chlorite schist with quartz-calcite veins, disseminated pyrite.
	21894		491-493		Chlorite schist with quartz-calcite veins, disseminated pyrite.
	21895		497.5-515		
		21895-A		497.5-501.5	Chlorite schist with quartz-calcite veins & disseminated pyrite & vugs.
		21895-B		501.5-507	Chlorite schist with quartz-calcite veins & disseminated pyrite & vugs.
		21895-C		507-515	Chlorite schist with quartz-calcite veins & disseminated pyrite & vugs.
	21896		518-525		Talc & chlorite schist.
	21897		525-532		Clay rich metatuff with Fe-oxides.
	21898		550-555		Talc altered tuff, schistose with disseminated pyrite.
	21901		597-607		
		21901-A		597-602	Metatuff with epidote, quartz layers.
		21901-B		602-607	Metatuff with epidote, quartz layers.
	21903		643-646.5		Chlorite altered lapilli tuff with quartz-calcite veins.
	21904		668-676		Chlorite altered tuff with orbiculartexture.
	21905		703-707		Chlorite altered tuff with disseminated pyrite, quartz-calcite veins.
	21906		746-754		
		21906-A		746-750	Chlorite altered tuff with disseminated pyrite.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21906		746-754		
		21906-B		750-754	Chlorite altered tuff with disseminated pyrite, Fe-oxides.
	21907		754-760		Metadiorite with disseminated pyrite.
	21908		776-796		
		21908-A		776-786	Metadiorite with quartz-calcite veins, disseminated pyrite.
		21908-B		786-796	Metadiorite with quartz-calcite veins, disseminated pyrite.
	21909		826-836		Metadiorite with quartz-calcite veins, disseminated pyrite.
	21910		836-846		Metadiorite with quartz-calcite veins, disseminated pyrite.
	21912		896-916		
		21912-A		896-900	Epidote altered tuff with calcite veins, disseminated pyrite.
		21912-B		900-904	Epidote altered tuff with calcite veins, disseminated pyrite.
		21912-C		904-908	Epidote altered tuff with calcite veins, disseminated pyrite.
		21912-D		908-912	Epidote altered tuff with calcite veins, disseminated pyrite.
		21912-E		912-916	Epidote altered tuff with calcite veins, disseminated pyrite.
	21913		925-945		
		21913-A		925-929	Epidote altered tuff with calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21913(cont.)		925-945		
		21913-B		929-933	Epidote altered tuff with calcite veins, disseminated pyrite.
		21913-C		933-937	Epidote altered tuff with calcite veins, disseminated pyrite.
		21913-D		937-941	Epidote altered tuff with calcite veins, disseminated pyrite.
		21913-E		941-945	Epidote altered tuff with calcite veins, disseminated pyrite.
	21914		955-971		
		21914-A		955-959	Epidote & sericite altered tuff.
		21914-B		959-963	Epidote & sericite altered tuff.
		21914-C		963-967	Epidote & sericite altered tuff.
		21914-D		967-971	Epidote & sericite altered tuff.
	21915		1026-1030		Metatuff with local epidote layers, calcite veins, disseminated pyrite.
	21916		1056-1060.5		Sericitic altered tuff.
	21918		1107-1112		Intermediate-felsic tuff with graphitic layers, quartz-calcite veins.
	21919		1196-1199.6		Gray green calcareous altered felsic tuff with disseminated pyrite, quartz-calcite veins.
	21920		1203-1213		
		21920-A		1203-1209	Laminated tuff with interbedded magnetite, local breccia.
		21920-B		1209-1213	Laminated calcareous metatuff with quartz-calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21921		1216-1236		
		21921-A		1216-1220	Medium to dark green phyllite.
		21921-B		1220-1224	Tan gray flattened dacite tuff with quartz-calcite veins.
		21921-C		1224-1228	Gray siliceous tuff with disseminated pyrite.
		21921-D		1228-1232	Gray siliceous tuff with disseminated pyrite.
		21921-E		1232-1236	Gray siliceous tuff with quartz veins.
	21922		1236-1255		
		21922-A		1236-1240	Gray siliceous tuff with disseminated pyrite, breccia.
		21922-B		1240-1243	Gray siliceous tuff with calcite veins.
		21922-C		1243-1247	Gray siliceous tuff with quartz-calcite veins.
		21922-D		1247-1251	Gray green siliceous tuff with disseminated pyrite.
		21922-E		1251-1255	Gray green siliceous tuff with disseminated pyrite.
	21925		1255-1260		Gray green siliceous tuff with quartz-calcite veins, disseminated pyrite.
	21924		1266-1278		
		21924-A		1266-1270	Gray laminated tuff with layers of magnetite, quartz-calcite veins.
		21924-B		1270-1274	Gray laminated tuff with layers of magnetite, quartz-calcite veins.
		21924-C		1274-1278	Gray green layered tuff with quartz-calcite veins.
	21926		1289-1292		Gray green phyllite with quartz-calcite veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21927		1295-1299		Green phyllite with quartz-calcite veins.
	21928		1301-1319		
		21928-A		1301-1305	Gray phyllite with quartz-calcite veins, pyrite in layers.
		21928-B		1305-1309	Gray phyllite with quartz-calcite veins, pyrite in layers & breccia.
		21928-C		1309-1313	Gray phyllite with quartz-calcite veins, pyrite in layers & breccia.
		21928-D		1313-1316	Gray phyllite with quartz-calcite veins, pyrite in layers & breccia.
		21928-E		1316-1319	Gray phyllite with quartz-calcite veins, pyrite in layers & breccia.
	21929		1323-1327.5		Gray green laminated phyllite with quartz-calcite veins, magnetite. veins, pink silicified layers.
	21930		1332-1344		
		21930-A		1332-1338	Dark green laminated phyllite with few quartz-calcite veins, silicified pink layers.
		21930-B		1338-1341.5	Dark green phyllite with quartz-calcite veins.
		21930-C		1341.5-1344	Dark green laminated phyllite with few quartz-calcite veins, pyrite in layers.
	21931		1351-1371		
		21931-A		1351-1355	Light gray metatuff with quartz-calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21931(cont.)		1351-1371		
		21931-B		1355-1359	Light gray metatuff with quartz-calcite veins, disseminated pyrite.
		21931-C		1359-1363	Light gray metatuff with quartz-calcite veins, disseminated pyrite.
		21931-D		1363-1367	Light gray metatuff with quartz-calcite veins, disseminated pyrite.
		21931-E		1367-1371	Light gray laminated phyllite with quartz-calcite veins, disseminated pyrite.
	21932		1390-1399		
		21932-A		1390-1395	Gray laminated phyllite with disseminated pyrite, calcite veins.
		21932-B		1395-1399	Gray laminated phyllite with disseminated pyrite, calcite veins (fewer veins).
	21933		1406-1409		Gray metatuff with quartz-calcite veins, disseminated pyrite, fuchsite? at 1407.
	21934		1430-1444		
		21934-A		1430-1434	Green gray locally brecciated metatuff with disseminated pyrite cubes, calcite veins.
		21934-B		1434-1437	Green gray metatuff with quartz-calcite veins, locally brecciated.
		21934-C		1437-1441	Gray metatuff, with calcite veins, locally brecciated.
		21934-D		1441-1444	Gray green metatuff - phyllite, with disseminated pyrite, calcite veins.

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SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21935		1461-1465		Green gray siliceous metatuff with disseminated pyrite, quartz-calcite veins, local brecciation.
	21936		1484-1492		
		21936-A		1484-1488	Green gray phyllite with disseminated pyrite, siliceous, locally brecciated.
		21936-B		1488-1492	Green gray phyllite with disseminated pyrite, quartz veins with little calcite.
	21937		1496-1516		
		21937-A		1496-1500	Gray green laminated phyllite with pyrite cubes disseminated, little calcite veining.
		21937-B		1500-1504	Gray green phyllite with much quartz veins with local brecciation little calcite, disseminated pyrite, scattered flattened lapilli.
		21937-C		1504-1508	Green phyllite with quartz-calcite veins, disseminated pyrite.
		21937-D		1508-1512	Green gray brecciated metatuff with large pyrite cubes, quartz veins, little calcite veins, silicified tuff at 1511.
		21937-E		1512-1516	Green metatuff phyllite, with much disseminated pyrite, some lapilli, calcite veins.
	21938		1516-1524		
		21938-A		1516-1520	Pale green metatuff with large disseminated pyrite cubes; quartz vein with calcite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21938(cont.)		1516-1524		
		21938-B		1520-1524	Gray metatuff with large pyrite cubes, quartz-calcite veins, local brecciation.
	21939		1544-1548		Green brecciated calcareous metatuff with disseminated pyrite, quartz-calcite veins.
	21940		1616-1636		
		21940-A		1616-1620	Dark green gray metatuff with quartz-calcite veins, quartz lined cavity at 1616.
		21940-B		1620-1624	Dark greenish gray metatuff with quartz-calcite veins, chlorite present in thin layers.
		21940-C		1624-1628	Green gray foliated metatuff with calcite veins, pyrite in layers.
		21940-D		1628-1632	Green gray foliated metatuff with calcite veins, little disseminated pyrite.
		21940-E		1632-1636	Dark gray green foliated metatuff with crosscutting quartz-calcite veins, disseminated pyrite.
	21941		1645-1655		
		21941-A		1645-1650	Dark gray green metatuff with disseminated pyrite, quartz-calcite veins, chlorite in thin layers.
		21941-B		1650-1655	Grayish green flattened metatuff with disseminated pyrite, quartz-calcite veins buff - silicified?
	21943		1661-1681		
		21943-A		1661-1665	Pale green, layered phyllite with disseminated pyrite, cross-cutting quartz-calcite veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21943(cont.)		1661-1681		
		21943-B		1665-1669	Pale gray green, layered, foliated metatuff with disseminated pyrite, quartz-calcite veins.
		21943-C		1669-1673	Pale gray green to dark green, layered, foliated metatuff with much disseminated pyrite, much quartz-calcite veins.
		21943-D		1673-1677	Pale gray green to tan, layered, metatuff with pyrite in veins & disseminated.
		21943-E		1677-1681	Green gray to dark green, layered metatuff, locally more flattened, disseminated pyrite, quartz-calcite veins.
	21944		1681-1701		
		21944-A		1681-1685	Greenish gray to pale green, foliated, metatuff with quartz-calcite veins, disseminated pyrite (small amount).
		21944-B		1685-1689	Greenish gray to dark green, foliated, metatuff with quartz-calcite veins.
		21944-C		1689-1693	Greenish gray, foliated, metatuff with quartz-calcite veins, pyrite near veins.
		21944-D		1693-1697	Green gray flattened metatuff with few quartz-calcite veins, few disseminated pyrite.
		21944-E		1697-1701	Dark green gray, foliated, metatuff with disseminated pyrite, quartz-calcite veins.

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SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21945		1710-1721		
		21945-A		1710-1714	Green gray layered metatuff with disseminated pyrite, quartz-calcite veins crosscutting.
		21945-B		1714-1718	Green gray, foliated metatuff with disseminated pyrite, pyrite in veins, quartz-calcite veins.
		21945-C		1718-1721	Gray green foliated metatuff with disseminated pyrite, quartz-calcite veins.
	21946		1735-1752		
		21946-A		1735-1739	Grayish olive layered siliceous phyllite, locally more granular with disseminated pyrite, quartz-calcite veins.
		21946-B		1739-1743	Gray green, foliated siliceous metatuff, with crosscutting quartz-calcite veins, pyrite in veins.
		21946-C		1743-1747	Gray green siliceous metatuff with much disseminated pyrite, few quartz-calcite veins.
		21946-D		1747-1752	Gray green laminated siliceous phyllite with fine laminae of olive green material, quartz-calcite veins, disseminated pyrite.
	21947		1752-1765		
		21947-A		1752-1756	Green gray, foliated, metatuff, locally laminated, with many quartz-calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C2B-84(cont.)	21947(cont.)		1752-1765		
		21947-B		1756-1759	Green gray foliated metatuff, locally granular, locally laminated, with quartz-calcite veins.
		21947-C		1759-1765	Green gray, foliated, metatuff with quartz-calcite veins, pyrite in layers.
	21948		1776-1780		Green gray, foliated, metatuff - phyllite with messed up quartz-calcite veins.
C1-83	21949		321-331		Weathered, dark green, phyllitic chlorite and clay, local light green lapilli?.
	21950		361-371		Weathered, dusky yellow green to dark reddish brown, schistose lapilli tuff with few quartz, clay, calcite veins.
	21951		409-413.1		Buff gray to dark green, (green downhole), chloritic and clayey phyllite.
	21952		413.1-419		Dark green to very dark red, foliated, syenodiorite with few quartz-calcite veins, locally phyllitic.
	21953		431.1-433.1		Greenish black to dark reddish gray, syenodiorite with local linear fabric, clay (red & green) filled vein.
	21954		433.1-439.3		Grayish green, phyllitic (locally) tuff (coarser grain downhole).
	21955		488-503.5		Olive gray to pale olive to gray green, phyllitic, tuff, locally sheared, with quartz veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21956		507-517		Light to dark green, phyllitic lapilli? tuff with many quartz-calcite veins with Fe-carbonate? on some vein walls.
	21957		527-539		Light to dark green, phyllitic lapilli? tuff with quartz-calcite veins, with Fe-carbonate? on some vein walls, crosscutting veins.
	21958		553-566		
		21958-A		553-557	Olive gray, slightly silicified? tuff, locally phyllitic, with quartz-calcite veins, little disseminated pyrite.
		21958-B		557-561	Dusky yellow green, slightly silicified? tuff with few quartz-calcite veins, locally phyllitic.
		21958-C		561-566	Dusky yellow green, foliated, silicified? tuff with quartz veins (little calcite), Fe-carbonate? on some vein walls.
	21959		566-570.5		Grayish olive, foliated tuff with local lapilli?, little disseminated pyrite, quartz-calcite veins, yellow-red zone at 570.5'.
	21960		570.5-576		Yellow green to dark green, leached, schistose, chlorite altered tuff with local lapilli?, quartz-calcite veins, brown coating on veins.
	21961		576-589		
		21961-A		576-580	Orange to red to yellow green to dark green, silicified? tuff, locally phyllitic, disseminated pyrite, orange red zone at 576'.

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SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21961(cont.)		576-589		
		21961-B		580-584	Dusky yellow to grayish olive green, phyllitic, silicified? tuff with lapilli?, disseminated pyrite, few quartz veins; with calcite, red clay? filled vein.
		21961-C		584-589	Grayish olive green to light olive, silicified? tuff, locally phyllitic, quartz veins(pod?), red material in some fractures, disseminated pyrite.
	21962		589-601		
		21962-A		589-593	Moderate olive brown to light olive gray, silicified? tuff with lapilli? locally red stained, quartz veins, disseminated pyrite.
		21962-B		593-597	Light olive gray, silicified?, foliated tuff with much disseminated pyrite, quartz veins, local red stain in fractures.
		21962-C		597-601	Olive gray, slightly silicified?, foliated tuff with disseminated pyrite, quartz veins, local red stain in fractures.
	21963		601-611		
		21963-A		601-606	Olive gray to grayish-brown, foliated tuff with quartz-calcite veins, red stain in fractures, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21963(cont.)		601-611		
		21963-B		606-611	Olive gray to orange-red, (vein controlled) silicified? tuff with few quartz-calcite veins, disseminated pyrite, locally phyllitic.
	21964		611-622		
		21964-A		611-613	Yellow green, leached porous, foliated clayey siliceous? tuff, quartz vein with some calcite.
		21964-B		613-618	Light olive gray, locally siliceous, foliated tuff with quartz veins with some calcite, red clay? in fractures, yellow material near some veins.
		21964-C		618-622	Light olive gray, locally siliceous tuff with quartz veins, disseminated pyrite, red clay? in fractures.
	21965		622-627		Olive gray to dark gray, phyllitic tuff, locally graphitic with disseminated pyrite, quartz-calcite veins.
	21966		725-731		Dark green gray, foliated tuff with quartz-calcite veins, locally brecciated.
	21967		742-748		Gray green, schistose tuff - chlorite schist with many thin quartz-calcite veins, pyrite in layers.
	21968		748-752		Dark green gray, layered chlorite schist - increasing magnetite with quartz-calcite veins, & layers, trace hematite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21969		752-764.5		
		21969-A		752-756	Blackish red to dark gray green, layered magnetite, hematite, gray green schist, with quartz-calcite layers & veins.
		21969-B		756-760.1	Blackish red to dark gray green, layered hematite, magnetite, gray green schist with quartz-calcite eyes-layers with pyrite.
		21969-C		760.1-764.5	Blackish red, layered hematite with layers of magnetite, dark green tuff, few quartz-calcite layers.
	21970		764.5-768.5		Blackish red layered hematite with layers of magnetite, dark green tuff, quartz-calcite eyes-layers; large vein with quartz-calcite-limonite.
	21971		768.5-771.5		Blackish red grading to greenish-black, layered hematite, magnetite; with few dark green tuff layers, quartz-calcite layers.
	21972		771.5-785		
		21972-A		771.5-775	Gray green, phyllite with few layers of magnetite, pyrite, crosscutting quartz-calcite veins, few red stained areas.
		21972-B		775-779	Gray green to gray olive green with red, phyllitic tuff with quartz-calcite veins, pyrite in layers, magnetite & hematite in veins; hematite staining locally.

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SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21972(cont.)		771.5-785		
		21972-C		779-782	Dark gray green, phyllitic tuff with quartz-calcite layers & veins; hematite in fractures & veins.
		21972-D		782-785	Dark gray green, phyllitic tuff with quartz-calcite eyes & veins; hematite in fractures & small spots, pyrite in one thin layer.
	21973		792-793.6		Yellow green, locally layered tuffaceous long? breccia?, locally phyllitic, with few red clasts of chert/jasper, quartz-calcite veins, disseminated pyrite.
	21974		793.6-798.5		Olive green, phyllitic tuff with much (35%) quartz-calcite veins; locally brecciated.
	21975		810-822		
		21975-A		810-814	Grayish olive green to yellow-green, silicic foliated tuff with thick quartz-calcite veins, disseminated pyrite, black grains.
		21975-B		814-818	Yellow green, silicic foliated tuff with local breccia, quartz-calcite-chlorite? veins, black grains, disseminated pyrite.
		21975-C		818-822	Yellow green, silicic foliated tuff with quartz-calcite-chlorite veins, chlorite in fractures, disseminated pyrite, black grains.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21976		839-842		Olive gray to gray, schistose tuff with local lapilli? quartz-calcite veins & lenses, local pyrite.
	21977		851.4-863		
		21977-A		851.4-855	Grayish olive green, tuffaceous schist with crosscutting quartz-calcite veins, disseminated pyrite.
		21977-B		855-859	Gray green, tuffaceous crenulated schist with crosscutting quartz-calcite veins; pyrite in vein.
		21977-C		859-863	Dusky yellow green, laminated, phyllitic tuff with smeared quartz-calcite veins.
	21978		895-911		
		21978-A		895-899	Dark gray to green gray, locally phyllitic crystal tuff with thick quartz-calcite veins, disseminated pyrite, clasts with pressure shadows.
		21978-B		899-903	Gray, locally layered, phyllitic crystal tuff with disseminated pyrite, quartz-calcite veins, clasts with pressure shadows.
		21978-C		903-907	Gray to green gray, phyllitic crystal tuff with disseminated pyrite, clasts with pressure shadows, smeared quartz-calcite veins.
		21978-D		907-911	Gray green to dark gray, phyllitic crystal tuff with quartz-calcite veins, disseminated pyrite, clasts with pressure shadows.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21979		921-931		
		21979-A		921-925	Dark gray, phyllitic crystal tuff with many crosscutting quartz-calcite (40%) veins, locally clasts with pressure shadows.
		21979-B		925-927	Dark gray, phyllitic tuff with locally many quartz-calcite veins (50%).
		21979-C		927-931	Dark gray, locally phyllitic crystal tuff with thick quartz-calcite veins (10%), pyrite in lense, clasts with pressure shadows.
	21981		943-944.6		Light gray, phyllitic tuff with few quartz-calcite veins, pyrite in veins.
	21982		955-957		Dark gray, phyllitic crystal tuff with few thick quartz-calcite veins, clasts with pressure shadows.
	21983		959-961		Dark gray, phyllitic crystal tuff with thick quartz-calcite veins, pyrite in layers, clasts with pressure shadows.
	21984		968-977		
		21984-A		968-973	Grayish olive, phyllite with quartz-calcite veins, pyrite in veins.
		21984-B		973-977	Grayish yellow green to dusky yellow green, phyllitic tuff with dark clasts, locally siliceous? quartz-calcite veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C1-83(cont.)	21985		977-981		Dark gray green, phyllitic layered tuff with interlayered pink felsic tuff, quartz-calcite veins, local pyrite.
	21986		981-988		Green gray, locally phyllitic, locally sheared layered tuff with quartz-calcite veins; dark layers slightly magnetic.
	21987		988-989		Green to pink, foliated felsic tuff with green phyllitic tuff grading into felsic tuff & local thin layer green phyllite.
	21988		1006-1008		Dark gray green, layered phyllitic tuff with quartz-calcite vein; dark layers slightly magnetic.
	21989		1019-1023		Dark gray green, schist with crosscutting quartz-calcite veins, disseminated pyrite.
C4-84	21990		412-421		White, phyllitic kaolinite with local sericite, quartz layers? veins?; saprolite?.
	21994		421-433		Pale green, weathered, locally phyllitic clay.
	21991		503-508.3		Reddish black to dark grayish green, laminated magnetite with increasing phyllitic tuff, quartz veins, magnetite veins, siderite in veins.
	21992		508.3-516.2		Olive to dark green, locally laminated, phyllite with siderite in veins & fractures; decreasing magnetite layers.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4-84(cont.)	21993		548.5-555		
		21993-A		548.5-551	Dark gray green, locally laminated, tuffaceous phyllite, with dark magnetite layers, local shear? with gray hematite, minor quartz veins, local siderite in vein, and local pyrite.
		21993-B		551-555	Dark green to black, laminated tuffaceous phyllite with dark magnetite laminae.
	21995		573.7-586		
		21995-A		573.7-578	Pale olive, phyllitic, locally laminated siliceous tuff with much disseminated pyrite, thick 6" quartz carbonate vein (calcite), quartz lenses, chlorite in fractures.
		21995-B		578-582	Grayish yellow green, phyllitic, locally laminated siliceous crystal tuff with chlorite in fractures, quartz-calcite vein, local pyrite near veins.
		21995-C		582-586	Yellow green, locally laminated, phyllitic tuff with quartz-carbonate veins (40%), pyrite at vein walls, chlorite locally in fractures.
	21996		607-618		
		21996-A		607-611	Grayish yellow green, siliceous phyllitic crystal tuff with quartz-carbonate veins, decreasing disseminated pyrite.

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DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4-84(cont.)	21996(cont.)		607-618		
		21996-B		611-613.7	Pale olive, siliceous, phyllitic tuff, local crystal tuff, with much chlorite in fractures, minor quartz-carbonate veins.
		21996-C		613.7-618	Pale olive, siliceous, phyllitic crystal tuff with chlorite, pyrite in layers, few quartz-carbonate veins.
	21997		618-621		Olive gray, phyllitic crystal tuff with quartz-carbonate veins, local laminae.
	21998		621-639		
		21998-A		621-627	Olive gray, locally phyllitic tuff, local crystal tuff, with quartz-calcite veins, (30%).
		21998-B		627-633	Gray to green gray, locally laminated, locally phyllitic tuff with quartz-calcite veins (20%), local pyrite in layers.
		21998-C		633-639	Green gray, phyllitic tuff with quartz-carbonate veins (10%), local lapilli?.
		21999-A		639-645	Green gray, phyllitic crystal tuff, locally brecciated, with thick quartz-carbonate veins (15%).
		21999-B		645-650	Gray green, locally laminated, phyllitic tuff with local lapilli?, quartz-carbonate veins (30%), local pyrite in zones.

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PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4-84(cont.)	21999(cont.)		639-656		
		21999-C		650-656	Green gray to gray green tuff, locally crystal tuff, with local lapilli?, quartz-carbonate veins (10%), pyrite disseminated & layers.
	22000		656-664		
		22000-A		656-660	Pale yellow green to dark green, locally siliceous tuff, locally crystal tuff, with few quartz-carbonate veins, pyrite disseminated & layers.
		22000-B		660-664	Dark green, locally laminated crystal tuff with much disseminated pyrite, few quartz-calcite veins, locally calcareous.
	22001		664-673		
		22001-A		664-668.5	Dark gray green, locally laminated phyllitic, locally silicic tuff with local pyrite, local crystal tuff, quartz-calcite veins.
		22001-B		668.5-673	Dark gray green, phyllite with few quartz-calcite veins, disseminated pyrite, local carbonate? layers, chlorite in fractures.
C4B-84	22002		259.1-262		Dark reddish brown, foliated, weathered clay, saprolite.
	22003		262-265.1		Dark yellowish brown, phyllitic clay, saprolite with quartz vein.
	22004		265.1-270.5		Yellowish green clay, saprolite, locally foliated, with quartz vein.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4B-84(cont.)	22005		270.5-284		
		22005-A		270.5-274	Grayish olive, locally foliated clay, saprolite; locally brecciated? quartz veins.
		22005-B		274-278	Yellow green, weathered clay altered crystal tuff? (saprolite).
		22005-C		278-284	Gray green to yellow green, locally phyllitic clay, saprolite.
	22006		295-304		Olive to reddish brown, locally phyllitic, locally layered, clay altered tuff with quartz veins.
	22007		309-322		Yellowish green to brown clay, saprolite? with crosscutting altered fractures, quartz veins.
	22008		330-335		Dark greenish gray, variably altered basalt to fine-grained gabbro with brown clayey margins, weakly magnetic.
	22009		364-371		Yellow green clay, saprolite, with brown limonitic spots, quartz veins.
	22010		402-413		Brown, locally foliated, clay altered tuff with quartz-carbonate veins, weathered pyrite cubes.
	22011		421-428		
		22011-A		421-425	Dark gray, tuff with lapilli & bombs, with quartz veins, locally much pyrite in veins & disseminated (0-10%).
		22011-B		425-428	Dark gray, locally foliated tuff with lapilli & bombs, quartz-carbonate? veins, local pyrite in veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4B-84(cont.)	22012		491-495		Gray, phyllitic, tuff with quartz lenses/layers (30%), with local carbonate, local limonite.
	22013		581.1-597		
		22013-A		581.1-585	Green gray, locally phyllitic, locally laminated calcareous tuff with quartz-calcite veins, disseminated pyrite.
		22013-B		585-589	Gray green to yellow green, phyllitic tuff, locally calcareous, with quartz-calcite veins.
		22013-C		589-593	Green gray, locally calcareous, phyllitic tuff with few quartz-calcite veins, disseminated pyrite.
		22013-D		593-597	Green gray to light gray, calcareous, phyllitic tuff with disseminated pyrite, quartz-calcite veins - laminae.
	22014		603-609		Green gray, phyllitic, locally calcareous tuff with quartz-calcite veins, pyrite in veins.
	22015		617.5-621		Green gray, phyllitic tuff with local lamination, few thin quartz veins.
	22016		622-624.5		Dark green to red brown, locally calcareous interlaminated hematite, magnetite, & green phyllite.
	22017		624.5-628.5		Reddish black, laminated magnetite & hematite with few green phyllite laminae, few quartz-calcite veins, hematite in shear.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
C4B-84(cont.)	22018		628.5-643		
		22018-A		628.5-633	Dark green gray, laminated, phyllitic tuff with magnetite, pyrite in layer, quartz-calcite vein.
		22018-B		633-638	Dark green gray, laminated, phyllitic, tuff with decreasing magnetite, minor quartz-calcite veins, disseminated pyrite.
		22018-C		638-643	Dark gray green, locally laminated, phyllitic tuff with decreasing crystalline magnetite, hematite in fractures, disseminated pyrite, few quartz-calcite veins.
	22019		643-649		Dark gray green, phyllitic tuff with local calcite, decreasing magnetite, hematite in fracture, minor quartz-calcite vein.
LOK-1	21852		270-280		Andesite flow with quartz-calcite veins.
	21865		282-282.3		4" thick calcite vein in andesite flow.
	21853		350-360		Tuff with chlorite alteration, weakly fractured.
	21854		582-587		Schistose graphitic argillite.
	21855		622-627		
		21855-A		622-624	Graphite schist.
		21855-B		624-625.5	Biotite schist with chlorite & talc alteration.
		21855-C		625.5-627	Chloritic altered tuff.
RL-28	21889		293-302.5		Clay altered gabbro.
	21877		385-388		Graphitic slate & calcite veins.
	21878		388-389		Chlorite & talc altered gabbro.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
RL-28(cont.)	21879		389-390.5		Chlorite altered gabbro-chlorite schist.
	21880		624.5-637		Graphitic metasediments with calcite & pyrite veins.
	21881		637-641		Chlorite schist with calcite layers & lenses.
	21882		761-770.5		Calcareous ultramafic dike, slight alteration to chlorite.
	21886		780.5-790		Medium-grained ultramafic, slight alteration to chlorite.
	21887		926.5-936		Calcareous ultramafic, chlorite alteration.
	21888		936-946		Chlorite altered calcareous ultramafic.
TIT-3	22020		206-216		Dark gray green, basalt - andesite? with carbonate veins (siderite?).
	22021		233-248		
		22021-A		233-234.7	Green gray, basalt - andesite?
		22021-B		235-236	Green gray, basalt - andesite?
		22021-C		239-240	Green gray, basalt - andesite with clay? in fractures.
		22021-D		247-248	Green gray, basalt - andesite? with carbonate veins.
	22022		234.7-247		
		22022-A		234.7-235	Pink andesite? porphyry with pyroxene phenocrysts.
		22022-B		236-239	Pink andesite? porphyry with pyroxene phenocrysts.
		22022-C		240-247	Purple pink, andesite? porphyry with pyroxene phenocrysts, epidote? altered fractures.
	22023		290-299		Green to dark gray green, basalt - andesite? with many thin calcite veins, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22024		305-316.8		Dark gray green, basalt - andesite? with calcite & siderite? veins, disseminated pyrite.
	22025		316.8-318.5		Gray (pink), chlorite altered, diabase with few thin calcite veins.
	22026		336-347		
		22026-A		336-342	Dark gray green, basalt - andesite with quartz-carbonate veins, local pyrite (0-5%).
		22026-B		342-347	Dark gray green, locally fractured basalt - andesite? with quartz-carbonate (siderite?) veins.
	22027		347-359		
		22027-A		347-352	Dark green, locally foliated basalt - andesite? with many thin carbonate veins, disseminated pyrite.
		22027-B		352-359	Dark green, tuff with local lapilli?, calcite - siderite? veins, disseminated pyrite.
	22028		359-371		
		22028-A		359-365.4	Green, basalt - andesite? with thick & many thin calcite veins, local chlorite on vein walls, disseminated pyrite.
		22028-B		365.4-371	Green, basalt - andesite? with calcite - carbonate (siderite) veins, local disseminated pyrite.
	22029		371-386		
		22029-A		371-378	Gray green tuff? with (50%) carbonate veins.
		22029-B		378-386	Gray green tuff? with local (15%) carbonate veins.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22030		386-396		
		22030-A		386-389	Dark gray green, basalt - andesite? with (20%) carbonate veins, local foliation.
		22030-B		389-393	Gray green, basalt - andesite? with amygdales? (5-20%) decreasing carbonate veins.
		22030-C		393-396	Yellow green to gray green, basalt - andesite? with decreasing amygdales, local foliation, (5%) carbonate veins.
	22031		404-408		Gray green to green gray, locally silicified basalt - andesite? with calcite-siderite? veins, local amygdales, pyrite & pyrrhotite in layer.
	22032		408-413		Green gray to gray, basalt - andesite? with (5%) pyrite disseminated & layers, quartz-calcite veins with siderite?
	22033		413-415.5		Gray to grayish brown, locally silicified basalt - andesite? with (20%) thin calcite veins, local pyrite zones & pyrrhotite?
	22034		415.5-424		
		22034-A		415.5-420	Dark gray, basalt - andesite with increasing layers of magnetite, pyrite in zones, & many thin calcite veins.
		22034-B		420-424	Dark green gray, basalt - andesite with local layers of magnetite, pyrite in zones, calcite in layers & veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22035		436-461		
		22035-A		436-441	Green to dark gray green, basalt - andesite? with layers of magnetite, disseminated pyrite, pink carbonate & calcite veins.
		22035-B		441-446	Olive to dark green, mottled chlorite, epidote altered basalt - andesite? with magnetite layers, few carbonate veins, & pyrite in layers.
		22035-C		446-451	Olive to dark green, mottled epidote and chlorite, altered basalt - andesite? with carbonate veins, pyrite in veins, quartz-carbonate layers, magnetite layers.
		22035-D		451-456	Olive to dark green, mottled basalt - andesite with layers of magnetite, few carbonate veins, small amount. disseminated pyrite.
		22035-E		456-461	Olive to dark green, mottled epidote & chlorite altered basalt - andesite? with quartz-carbonate layers, disseminated pyrite, magnetite layers.
	22036		461-486		
		22036-A		461-466	Olive to dark green, mottled epidote & chlorite altered basalt - andesite? with decreasing magnetite layers, calcite layers, pink carbonate veins.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22036(cont.)		461-486		
		22036-B		466-471	Olive to dark green, mottled epidote & chlorite alt basalt - andesite? with few dark magnetite layers, carbonate veins, disseminated pyrite.
		22036-C		471-476	Green to gray, mottled basalt - andesite? dark layers - magnetic, few calcite veins with pink carbonate, local disseminated pyrite.
		22036-D		476-481	Dark gray green, basalt - andesite? with decreasing magnetite layers, few carbonate veins.
		22036-E		481-486	Gray green, "grainy" basalt - andesite, with local magnetite layers, carbonate layers & veins, local disseminated pyrite.
	22037		497-509		
		22037-A		497-504	Dark green gray, locally siliceous, basalt - andesite? with quartz-carbonate veins, crystalline magnetite in vein, pyrite in layer.
		22037-B		504-509	Dark green gray, locally (yellow green) siliceous, basalt - andesite? with thin calcite veins, local amygdales?
	22038		509-522		
		22038-A		509-516	Gray to green gray, locally (yellow-green) siliceous basalt - andesite? with local amygdales?, quartz-calcite-carbonate veins, pyrite in layers.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22038(cont.)		509-522		
		22038-B		516-522	Green gray to yellow green, basalt - andesite?; with quartz-calcite-carbonate veins, disseminated pyrite, 1' dike.
	22039		522-535		
		22039-A		522-529	Yellow green to green gray, locally siliceous, basalt - andesite? with disseminated pyrite, quartz-calcite-pink carbonate veins.
		22039-B		529-535	Dark green gray, basalt - andesite? with (1-10%) disseminated pyrite, thin calcite layers with local pyrite.
	22040		569.5-572		Gray, basalt - andesite? with pyrite in veins, few thin calcite veins.
	22041		593-604		Olive to gray green, mottled altered basalt - andesite? with magnetite layers, calcite veins & quartz, disseminated pyrite.
	22042		614-627		Dark green gray, basalt - andesite? with local magnetite layers, local tan silicified tuff, quartz-calcite veins, disseminated pyrite.
	22043		640-646		Green gray to yellow green, locally silicified, basalt - andesite? with local disseminated pyrite, quartz-calcite & siderite? veins.
	22044		646-655		
		22044-A		646-650	Pale olive, altered - silicified tuff - andesite? with many thin red carbonate veins, local pyrite, quartz veins - blebs.

PROJECT 266
SAMPLE LIST

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22044(cont.)		646-655		
		22044-B		650-655	Pale olive to light gray, altered silicified tuff - andesite? with local quartz-calcite veins - orange stain? local shear?, local pyrite.
	22045		655-671		
		22045-A		655-663	Pale olive to gray green, locally more siliceous, andesite? with disseminated pyrite, quartz veins with calcite.
		22045-B		663-671	Olive to gray green, locally silicified andesite? with thick quartz veins (4") with carbonate, disseminated pyrite.
	22046		671-680.1		
		22046-A		671-675	Olive to gray, locally silicified andesite? with few quartz-calcite veins with orange?, disseminated pyrite.
		22046-B		675-680.1	Dark green gray, locally silicified (yellow-green), calcareous andesite? with few calcite veins, disseminated pyrite.
	22047		686.1-698		
		22047-A		686.1-692	Olive to green gray, mottled, calcareous basalt - andesite? with calcite veins, disseminated pyrite.
		22047-B		692-698	Olive to green gray, locally silicified, calcareous basalt - andesite? with quartz-calcite veins with orange stain?, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22048		698-701		Dark green gray, locally calcareous basalt - andesite? with (5%) quartz-calcite veins with orange stain? disseminated pyrite.
	22049		701-713		
		22049-A		701-707	Dark green gray, basalt - andesite? with disseminated pyrite, few quartz-calcite veins with local orange stain?
		22049-B		707-713	Dark green gray to grayish olive, basalt - andesite? with many thin quartz-calcite veins, disseminated pyrite.
	22050		713-719		Fine to medium grained, gray chlorite - calcite alteration rock; in calcareous - siliceous - tuff or chert host with minor quartz-calcite veins, disseminated pyrite. (Massive sulfide "blackschist" type alteration.)
	22051		746-756		Gray, quartz - magnetite - sulfide iron formation with calcite veins, minor pyrite, pyrrhotite, Galena, Sphalerite, chalcopyrite.
	22060		759-763		Dark gray, quartz-magnetite-sulfide iron formation, with few calcite veins; 30% pyrrhotite, pyrite, chalcopyrite.
	22052		781.3-785		Dark gray green, locally calcareous, locally siliceous, chlorite iron formation with local magnetite, garnet zones, disseminated pyrite.

DDH	SAMPLE #	SUBSAMPLE #	OVERALL SAMPLE FOOTAGE	SUBSAMPLE FOOTAGE	LITHOLOGY
TIT-3(cont.)	22053		796-804		Pale gray to gray, locally siliceous marble? with chlorite streaks, disseminated pyrite, calcite veins.
	22054		804-818.5		Reddish brown, calcareous syenite porphyry with 40% pink K-feldspar? phenocrysts, few thin calcite veins.
	22055		818-5-821		Gray, siliceous marble? with a few local magnetite, calcite veins, dark lined fractures with pyrite.
	22056		821-828.5		Grayish olive, siliceous tuff with thin quartz-calcite veins, foliation?, orange stain in some veins.
	22057		828.5-836		Dusky yellow green, siliceous tuff with few quartz-calcite veins, with orange stain locally.

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
18740	CON-1	<2	34	<1.0	40	1255	<1	<10	6	0.03	<1	<1	<0.5	32	<2	<30	<50	160	<5	23	26	8	21	107	16	<2
18759	CON-1	<2	170	<1.0	50	4212	<1	<10	<2	0.03	<1	<1	1.0	66	<2	<30	<50	300	<5	34	32	12	30	170	<10	<2
18758	CON-1	<2	170	<1.0	30	1434	<1	<10	<2	0.02	<1	<1	<0.5	98	<2	<30	<50	250	<5	35	29	9	20	78	<10	<2
18741	CON-1	<2	110	<1.0	<10	269	<1	<10	8	0.03	<1	<1	<0.5	55	<2	<30	<50	130	<5	37	29	4	12	72	<10	<2
21863	CON-1	<2	100	<1.0	<10	358	<1	17	9	0.04	<1	<1	<0.5	154	<2	<30	<50	280	5	37	35	8	22	113	15	<2
18786	CON-1	<2	300	<1.0	30	358	3	<10	4	0.64	<1	<1	<0.5	153	<2	<30	<50	220	<5	39	30	8	20	99	<10	<2
21851	CON-1	<2	54	<1.0	40	1434	<1	<10	4	0.09	<1	<1	<0.5	112	<2	<30	<50	620	<5	43	41	10	24	138	<10	<2
21864	CON-1	<2	340	<1.0	<10	1344	4	<10	6	0.83	<1	<1	<0.5	210	<2	<30	<50	250	<5	24	23	8	23	86	<10	<2
21860	CON-1	<2	110	4.0	<10	448	3	<10	<2	1.24	2	<1	<0.5	126	2	<30	<50	450	<5	10	11	14	29	55	<10	<2
21861	CON-1	<2	70	2.0	<10	90	2	<10	<2	0.23	<1	<1	<0.5	121	<2	<30	<50	440	10	41	56	42	87	280	45	3
21862	CON-1	<2	100	2.0	40	807	7	<10	<2	2.03	<1	<1	<0.5	98	4	<30	<50	410	<5	16	20	28	56	118	<10	<2
18787	CON-1	<2	84	<1.0	<10	627	<1	<10	<2	1.21	<1	<1	0.5	49	2	<30	<50	440	<5	13	15	27	56	127	<10	<2
21885	RL-39	<2	6	<1.0	<10	986	<1	<10	<2	1.39	<1	<1	<0.5	64	2	<30	<50	500	<5	15	12	34	64	110	<10	<2
21876	RL-39	<2	2	<1.0	<10	717	<1	<10	<2	0.20	<1	<1	<0.5	53	2	<30	<50	300	<5	14	15	37	78	115	11	<2
21884	RL-39	<2	4	<1.0	<10	717	<1	<10	<2	0.44	<1	<1	<0.5	57	4	<30	<50	300	<5	13	13	28	58	122	<10	<2
21867	RL-39	<2	4	<1.0	<10	896	<1	<10	<2	1.19	<1	<1	<0.5	81	<2	<30	<50	450	<5	12	29	24	52	207	<10	<2
21874	RL-39	<2	5	<1.0	<10	807	<1	<10	6	0.36	1	<1	<0.5	162	<2	<30	<50	760	<5	30	39	180	410	190	<10	<2
21875	RL-39	<2	10	<1.0	<10	807	<1	<10	<2	2.22	<1	<1	<0.5	58	2	<30	<50	140	<5	10	17	29	65	132	14	<2
21872	RL-39	<2	6	<1.0	50	1255	<1	<10	<2	0.93	1	<1	<0.5	105	<2	<30	<50	430	<5	41	66	21	50	163	20	<2
21873	RL-39	<2	12	1.0	50	1255	<1	16	12	1.92	7	<1	<0.5	154	8	<30	<50	240	<5	17	17	21	46	111	<10	<2
21883	RL-39	<2	3	<1.0	<10	1255	2	<10	<2	1.79	<1	<1	<0.5	94	4	<30	<50	350	<5	15	12	22	50	125	<10	<2
21869	RL-39	<2	8	1.0	60	1344	<1	<10	<2	1.27	3	<1	<0.5	77	6	<30	<50	470	<5	20	13	14	29	118	<10	<2
21870	RL-39	<2	4	<1.0	40	1613	3	<10	<2	4.77	3	<1	<0.5	411	4	<30	<50	507	<5	12	11	25	54	98	<10	<2
21871	RL-39	<2	6	<1.0	50	1255	<1	<10	<2	0.55	1	<1	<0.5	79	2	<30	<50	300	<5	14	14	30	61	126	<10	<2
21868	RL-39	<2	<1	<1.0	30	627	<1	<10	<2	0.12	<1	<1	<0.5	57	<2	<30	<50	450	<5	35	31	23	45	143	14	<2
21866	RL-39	<2	4	<1.0	40	807	2	<10	9	0.53	<1	<1	<0.5	82	<2	<30	<50	440	<5	14	13	34	66	219	<10	<2
22061	HB-1	<2	<1	<1.0	<10	146	8	<10	38	0.04	<1	<5	<0.2	220	<2	<30	<50	96	<5	31	26	22	36	84	<100	<2
22062	HB-1	<2	<1	<1.0	<10	130	2	<10	15	0.01	<1	<5	<0.2	162	<2	<30	<50	230	<5	31	30	23	39	78	<100	<2
22063	HB-1	<2	<1	<1.0	<10	65	3	<10	23	0.01	<1	<5	<0.2	86	<2	<30	<50	200	<5	27	19	15	24	56	<100	<2
22064	HB-1	<2	<1	<1.0	<10	127	5	<10	25	0.01	<1	<5	<0.2	144	<2	<30	<50	310	<5	25	19	25	51	66	<100	<2
22065	HB-1	<2	<1	<1.0	<10	118	6	<10	29	0.01	<1	<5	<0.2	139	<2	<30	<50	260	<5	30	23	23	47	73	<100	<2
22066	HB-1	<2	<1	<1.0	<10	114	3	<10	13	<0.01	<1	<5	<0.2	178	<2	<30	<50	230	<5	32	26	23	46	81	<100	<2
22067	HB-1	<2	<1	<1.0	<10	109	4	<10	22	<0.01	<1	<5	<0.2	182	<2	<30	<50	600	<5	31	23	22	47	79	<100	<2
22068	HB-2	<2	5	<1.0	30	184	<1	<10	22	0.05	<1	<5	<0.2	63	<2	<30	<50	140	<5	23	24	11	29	129	<100	<2
21859	RL-25	<2	37	<1.0	<10	<50	7	<10	<2	0.14	2	<1	<0.5	64	<2	<30	<50	360	<5	34	26	4	9	67	<10	<2
21856	RL-25	4	730	30.0	<10	269	75	<10	<2	4.66	6	<1	8.5	745	14	<30	<50	620	<5	12	24	23	48	90	<10	<2
21857	RL-25	2	330	3.0	<10	538	1550	<10	<2	3.67	3	<1	<0.5	51	<2	<30	<50	<100	<5	11	13	18	40	144	13	<2
21858	RL-25	<2	840	1.0	<10	90	1058	<10	<2	7.40	1	<1	<0.5	<5	<2	<30	<50	380	<5	4	10	6	12	25	<10	<2
21899	C2B-84	<2	3	<1.0	<10	90	<1	17	<2	0.02	<1	<1	<0.5	39	<2	<30	<50	150	<5	34	26	4	15	103	<10	<2
21900	C2B-84	<2	5	<1.0	<10	90	2	<10	<2	0.03	<1	<1	<0.5	62	<2	<30	<50	160	<5	34	30	5	15	97	17	<2

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

APPENDIX B-1

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
18740	CON-1	<1	70	2	32	118	<10	6	<1	333	55	244	1.54	0.45	11.34	0.40	59.71	17.67	0.15	40	1.10	0.94	4	122	0.49	<1
18759	CON-1	<1	112	14	66	246	<10	<2	<1	744	100	331	1.38	0.41	14.78	0.29	54.68	17.38	0.15	62	0.51	1.51	15	62	0.32	<1
18758	CON-1	<1	166	8	98	248	<10	<2	<1	583	90	344	1.38	0.29	12.53	0.07	64.65	14.22	0.09	18	0.98	0.52	10	67	0.28	<1
18741	CON-1	<1	210	4	55	392	<10	8	<1	1053	103	303	1.27	0.30	13.45	0.10	63.46	13.13	0.07	22	0.44	0.27	7	44	0.13	<1
21863	CON-1	<1	146	12	154	113	17	9	<1	382	74	426	1.83	3.03	9.06	0.12	56.38	18.78	0.30	25	2.43	0.35	5	192	1.18	<1
18786	CON-1	<1	119	8	153	167	<10	4	3	399	86	346	1.52	1.26	13.43	0.12	56.92	16.38	0.22	17	2.33	0.31	5	208	0.78	<1
21851	CON-1	<1	263	8	112	180	<10	4	<1	375	134	399	1.66	2.83	11.08	0.10	58.76	16.83	0.30	18	1.51	1.53	10	120	0.79	<1
21864	CON-1	<1	139	12	210	86	<10	6	4	262	58	212	0.89	0.98	12.13	0.18	61.25	11.18	0.15	8	0.74	1.97	25	80	0.48	<1
21860	CON-1	<1	175	14	126	72	<10	<2	3	229	33	77	0.28	0.77	11.73	0.23	70.05	7.00	0.09	5	0.15	1.24	32	52	0.47	<1
21861	CON-1	<1	344	24	121	165	<10	<2	2	75	72	626	3.55	3.29	19.55	0.09	45.71	15.96	0.41	50	0.06	0.39	12	75	0.99	1
21862	CON-1	<1	60	20	98	54	<10	<2	7	218	29	148	0.62	1.55	9.38	0.03	54.43	16.06	0.07	10	0.28	3.19	28	108	0.08	1
18787	CON-1	<1	141	12	49	81	<10	<2	<1	265	37	125	0.60	2.29	6.73	0.09	62.01	15.79	0.19	4	2.22	2.98	29	233	1.92	1
21885	RL-39	<1	83	26	64	72	<10	<2	<1	207	35	158	0.64	2.94	6.04	0.06	61.70	17.49	0.08	25	0.14	4.87	37	149	0.34	1
21876	RL-39	<1	98	24	53	79	<10	<2	<1	175	35	119	0.63	3.42	7.19	0.08	61.94	16.52	0.20	39	2.70	2.62	105	368	2.02	1
21884	RL-39	<1	173	40	57	70	<10	<2	<1	189	33	113	0.60	3.10	6.56	0.08	61.58	16.40	0.24	37	3.80	2.60	110	474	2.36	1
21867	RL-39	<1	395	220	81	105	<10	<2	<1	207	36	138	0.61	2.69	7.41	0.05	61.74	16.09	0.22	31	5.61	1.46	30	717	1.04	1
21874	RL-39	<1	506	26	162	310	<10	6	<1	414	46	298	1.12	8.86	26.01	0.14	37.21	10.96	1.12	43	0.55	1.16	29	430	2.40	<1
21875	RL-39	<1	114	18	58	66	<10	<2	<1	234	38	100	0.55	2.00	6.14	0.04	62.94	15.87	0.21	19	4.78	2.96	105	457	1.15	1
21872	RL-39	<1	176	20	105	52	<10	<2	<1	27	47	637	2.51	1.60	12.41	0.03	56.24	15.81	0.24	18	3.95	2.15	93	696	0.94	<1
21873	RL-39	<1	41	38	154	51	16	12	<1	170	29	149	0.54	1.67	7.07	0.02	53.26	14.85	0.20	17	0.72	5.09	82	297	0.43	<1
21883	RL-39	<1	77	26	94	69	<10	<2	2	183	49	121	0.62	1.16	4.67	0.01	62.46	16.54	0.15	15	2.15	4.64	180	414	0.37	1
21869	RL-39	<1	30	40	77	84	<10	<2	<1	208	31	153	0.59	1.73	5.13	0.08	55.86	15.87	0.12	18	0.39	6.76	225	241	0.41	<1
21870	RL-39	<1	75	32	411	79	<10	<2	3	165	51	115	0.50	0.79	8.78	0.01	61.38	14.54	0.27	14	1.52	5.16	160	325	0.47	<1
21871	RL-39	<1	185	28	79	108	<10	<2	<1	201	39	130	0.61	3.10	5.83	0.05	62.35	17.18	0.22	43	4.66	3.20	100	426	0.67	1
21868	RL-39	<1	122	12	57	21	<10	<2	<1	21	74	572	2.29	4.38	16.81	0.24	49.13	13.07	0.24	25	2.49	2.13	70	388	7.67	<1
21866	RL-39	<1	244	20	82	102	<10	9	2	181	35	149	0.63	2.73	8.24	0.14	61.56	16.33	0.20	26	1.41	3.92	28	198	0.89	<1
22061	HB-1	<1	169	14	220	98	<10	38	8	111	89	293	1.37	4.11	20.29	0.26	46.83	15.12	0.35	210	0.29	1.13	7	154	2.44	1
22062	HB-1	<1	154	4	162	111	<10	15	2	101	93	272	1.36	4.97	21.44	0.17	44.22	16.50	0.35	180	1.30	0.63	2	193	2.14	1
22063	HB-1	<1	105	6	86	83	<10	23	3	183	59	235	0.99	3.28	13.16	0.13	55.55	13.96	0.27	110	1.39	0.37	2	450	5.05	1
22064	HB-1	<1	120	4	144	166	<10	25	5	463	61	171	0.86	6.08	11.94	0.14	56.56	14.12	0.35	150	0.53	0.26	3	190	2.14	1
22065	HB-1	<1	108	2	139	155	<10	29	6	376	67	223	1.23	5.66	15.02	0.16	52.16	14.82	0.33	200	1.03	0.41	3	229	2.43	1
22066	HB-1	<1	141	4	178	124	<10	13	3	302	78	221	1.37	5.37	16.24	0.16	50.28	15.81	0.36	200	0.84	0.55	4	246	2.63	1
22067	HB-1	<1	158	4	182	127	<10	22	4	296	75	217	1.33	4.91	15.52	0.15	49.55	15.81	0.38	160	0.84	0.67	5	280	3.17	1
22068	HB-2	<1	107	8	63	98	<10	22	<1	228	63	199	1.15	4.22	11.57	0.17	56.51	13.06	0.23	130	1.95	0.72	13	159	6.13	1
21859	RL-25	<1	75	6	64	93	<10	<2	7	276	57	330	1.10	6.78	14.70	0.20	47.14	12.58	0.12	31	1.22	0.10	<1	113	8.92	<1
21856	RL-25	<1	22	60	745	157	<10	<2	75	113	72	82	0.27	0.29	7.33	0.03	40.80	8.22	0.14	6	0.71	2.13	39	119	0.88	1
21857	RL-25	<1	38	10	51	51	<10	<2	1550	102	46	97	0.56	0.53	6.77	0.01	63.97	17.68	0.06	8	0.66	3.05	23	133	0.17	<1
21858	RL-25	2	7	2	<5	<5	<10	<2	1058	121	23	51	0.17	1.78	39.31	0.07	38.68	4.15	0.25	22	0.23	0.33	15	115	5.75	<1
21899	C2B-84	<1	90	2	39	54	17	<2	<1	354	53	232	1.11	7.45	11.63	0.22	50.52	14.56	0.16	15	4.09	<0.10	8	125	6.99	<1
21900	C2B-84	<1	115	14	62	52	<10	<2	2	175	64	265	1.38	7.79	13.87	0.23	52.31	14.43	0.18	22	2.08	0.46	13	59	1.69	<1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX B-2

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
21893	C2B-84	<2	1	<1.0	<10	90	<1	<10	6	0.09	<1	<1	<0.5	79	<2	<30	<50	130	5	29	30	6	18	93	16	<2
21894	C2B-84	<2	1	<1.0	<10	<50	<1	<10	4	0.13	<1	<1	<0.5	223	<2	<30	<50	250	10	29	28	6	17	81	12	<2
21895	C2B-84	<2	3	<1.0	<10	<50	2	<10	7	0.09	<1	<1	<0.5	64	<2	<30	<50	140	5	31	30	6	16	86	11	<2
21896	C2B-84	<2	52	<1.0	40	358	<1	<10	<2	0.02	<1	<1	<0.5	33	<2	<30	<50	160	<5	19	17	10	23	107	13	<2
21897	C2B-84	<2	230	<1.0	70	269	<1	<10	<2	0.02	<1	<1	<0.5	26	<2	<30	<50	200	<5	22	21	8	21	113	<10	<2
21898	C2B-84	<2	270	3.0	40	179	<1	<10	7	0.14	<1	<1	0.5	263	<2	<30	<50	210	<5	28	26	10	18	96	<10	<2
21901	C2B-84	<2	2000	<1.0	<10	<50	11	<10	8	0.09	<1	<1	<0.5	60	<2	<30	<50	180	<5	26	18	3	10	47	<10	<2
21903	C2B-84	<2	33	<1.0	<10	90	2	<10	5	0.04	<1	<1	<0.5	55	<2	<30	<50	170	<5	27	17	3	7	50	<10	<2
21904	C2B-84	<2	180	<1.0	<10	<50	2	<10	4	0.07	<1	<1	<0.5	67	<2	<30	<50	120	<5	30	19	4	8	51	<10	<2
21905	C2B-84	<2	41	<1.0	<10	<50	<1	<10	6	0.02	<1	<1	<0.5	77	<2	<30	<50	170	<5	33	24	5	12	59	<10	<2
21906	C2B-84	<2	88	<1.0	<10	<50	<1	<10	5	0.02	<1	<1	<0.5	32	<2	<30	<50	220	<5	19	14	4	9	34	<10	<2
21907	C2B-84	<2	72	<1.0	<10	<50	5	<10	<2	0.03	<1	<1	<0.5	50	<2	<30	<50	140	<5	20	14	3	6	32	<10	<2
21908	C2B-84	<2	100	<1.0	<10	<50	2	<10	<2	0.07	<1	<1	<0.5	34	<2	30	<50	120	<5	31	16	3	10	41	<10	<2
21909	C2B-84	<2	170	<1.0	<10	<50	<1	<10	<2	0.04	<1	<1	<0.5	66	<2	<30	<50	140	<5	32	21	4	12	52	<10	<2
21910	C2B-84	<2	190	<1.0	<10	<50	12	<10	5	0.09	<1	<1	<0.5	12	<2	<30	<50	130	<5	32	22	3	9	50	<10	<2
21912	C2B-84	<2	79	<1.0	<10	627	<1	<10	<2	0.21	<1	<1	<0.5	22	<2	<30	<50	145	<5	12	11	11	25	97	<10	<2
21913	C2B-84	<2	73	<1.0	<10	358	2	<10	<2	0.11	<1	<1	<0.5	24	<2	<30	<50	200	<5	11	12	11	25	96	<10	<2
21914	C2B-84	<2	10	<1.0	30	269	10	<10	<2	0.02	<1	<1	<0.5	63	<2	<30	<50	170	<5	13	13	12	25	111	21	<2
21915	C2B-84	<2	10	<1.0	<10	<50	<1	<10	4	0.17	<1	<1	<0.5	39	<2	<30	<50	200	<5	27	17	4	10	50	<10	<2
21916	C2B-84	<2	8	<1.0	<10	<50	<1	<10	7	0.05	<1	<1	<0.5	150	<2	<30	<50	300	<5	31	19	4	12	72	<10	<2
21918	C2B-84	<2	78	1.0	<10	90	19	<10	<2	0.94	<1	<1	<0.5	141	<2	<30	<50	120	<5	8	12	8	20	83	<10	<2
21919	C2B-84	<2	68	<1.0	<10	448	18	<10	<2	0.91	<1	<1	<0.5	12	<2	<30	<50	360	<5	13	15	20	41	104	<10	<2
21920	C2B-84	<2	9	<1.0	<10	448	7	<10	<2	0.35	<1	<1	<0.5	18	<2	<30	<50	470	<5	12	11	23	46	94	<10	<2
21921	C2B-84	<2	88	<1.0	<10	448	34	<10	<2	0.62	<1	<1	<0.5	25	<2	<30	<50	110	<5	11	14	29	69	116	<10	<2
21922	C2B-84	<2	45	<1.0	<10	448	23	<10	<2	0.29	<1	<1	<0.5	14	<2	<30	<50	380	<5	8	9	24	51	122	<10	<2
21925	C2B-84	<2	61	<1.0	<10	358	13	<10	5	0.24	<1	<1	<0.5	16	<2	<30	<50	400	<5	10	21	49	110	141	<10	<2
21924	C2B-84	<2	3	<1.0	<10	448	3	<10	<2	0.10	<1	<1	<0.5	14	<2	<30	<50	350	<5	10	11	24	50	86	<10	<2
21926	C2B-84	<2	3	<1.0	<10	448	3	<10	<2	0.23	<1	<1	<0.5	9	<2	<30	<50	390	<5	13	14	27	60	101	<10	<2
21927	C2B-84	<2	3	<1.0	<10	358	16	<10	<2	0.17	<1	<1	<0.5	<5	<2	<30	<50	330	<5	10	12	21	47	79	<10	<2
21928	C2B-84	<2	18	<1.0	<10	448	4	<10	<2	0.12	1	<1	<0.5	44	<2	<30	<50	330	5	14	16	31	65	104	11	<2
21929	C2B-84	<2	3	<1.0	<10	448	2	<10	<2	0.09	<1	<1	<0.5	<5	<2	<30	<50	210	<5	9	11	20	42	80	<10	<2
21930	C2B-84	<2	4	<1.0	<10	448	4	<10	<2	0.12	<1	<1	<0.5	18	<2	<30	<50	330	<5	12	12	26	58	90	<10	<2
21931	C2B-84	<2	17	<1.0	<10	538	2	<10	<2	0.17	<1	<1	<0.5	33	<2	<30	<50	500	<5	13	14	40	87	124	14	<2
21932	C2B-84	<2	18	<1.0	30	448	2	<10	<2	0.13	<1	<1	<0.5	18	4	<30	<50	390	<5	15	130	30	63	107	<10	<2
21933	C2B-84	<2	52	<1.0	<10	269	19	<10	6	0.16	<1	<1	<0.5	55	<2	<30	<50	490	<5	20	22	35	76	78	<10	<2
21934	C2B-84	<2	8	<1.0	<10	358	3	<10	<2	0.08	1	<1	<0.5	24	<2	<30	<50	350	<5	8	9	21	47	81	<10	<2
21935	C2B-84	<2	20	<1.0	<10	448	<1	<10	<2	0.24	<1	<1	<0.5	21	<2	<30	<50	350	<5	8	10	23	52	75	<10	<2
21936	C2B-84	<2	20	<1.0	<10	448	2	<10	<2	0.17	<1	<1	<0.5	25	<2	<30	<50	340	<5	8	10	22	45	77	<10	<2
21937	C2B-84	<2	20	<1.0	<10	538	2	<10	<2	0.22	1	<1	<0.5	37	<2	<30	<50	490	<5	12	12	29	61	87	<10	<2
21938	C2B-84	<2	18	<1.0	<10	448	4	<10	5	0.21	2	<1	<0.5	38	4	<30	<50	350	<5	9	8	24	49	74	<10	<2

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

APPENDIX B-3

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
21893	C2B-84	<1	99	6	79	21	<10	6	<1	44	52	253	1.44	6.23	13.23	0.18	47.09	12.36	0.18	14	2.20	0.10	5	82	7.82	<1
21894	C2B-84	<1	87	8	223	27	<10	4	<1	91	52	255	1.36	6.93	13.00	0.18	49.03	12.18	0.19	15	2.18	<0.10	7	108	6.99	<1
21895	C2B-84	<1	71	14	64	46	<10	7	2	164	56	255	1.38	8.08	13.41	0.26	48.22	13.32	0.18	16	2.44	<0.10	11	97	4.79	<1
21896	C2B-84	<1	59	6	33	30	<10	<2	<1	136	26	164	0.81	0.74	9.46	0.12	63.88	15.93	0.12	11	0.18	3.31	22	26	0.28	<1
21897	C2B-84	<1	130	8	26	69	<10	<2	<1	242	40	201	1.04	0.41	10.13	0.20	60.25	17.91	0.16	4	0.33	4.45	29	52	0.39	<1
21898	C2B-84	7	108	<2	263	201	<10	7	<1	351	93	253	1.00	1.31	8.19	0.04	63.72	17.51	0.22	8	1.20	3.23	19	69	0.31	<1
21901	C2B-84	<1	75	8	60	150	<10	8	11	733	57	201	0.73	7.48	12.98	0.38	43.70	10.73	0.10	30	1.38	<0.10	11	141	7.34	<1
21903	C2B-84	<1	77	8	55	161	<10	5	2	629	54	212	0.74	6.06	11.68	0.28	44.32	10.98	0.09	14	1.22	0.12	7	70	11.15	<1
21904	C2B-84	<1	80	10	67	156	<10	4	2	533	66	226	0.81	6.19	11.67	0.27	48.29	12.16	0.11	16	1.82	<0.10	8	116	9.91	<1
21905	C2B-84	<1	85	6	77	161	<10	6	<1	478	61	257	0.93	6.38	13.06	0.38	52.03	14.01	0.13	29	1.75	<0.10	9	113	6.33	<1
21906	C2B-84	<1	61	<2	32	693	<10	5	<1	1305	92	146	0.66	13.00	12.23	0.26	51.03	6.41	0.09	12	0.05	<0.10	6	29	6.25	<1
21907	C2B-84	<1	72	<2	50	633	<10	<2	5	1173	93	134	0.57	18.54	13.12	0.18	41.83	6.64	0.09	31	0.27	<0.10	7	59	6.37	<1
21908	C2B-84	<1	55	<2	34	88	<10	<2	2	714	38	182	0.76	7.19	8.78	0.14	45.17	12.52	0.10	8	2.97	<0.10	6	70	11.17	<1
21909	C2B-84	<1	55	8	66	60	<10	<2	<1	471	46	199	0.90	7.20	9.62	0.15	46.76	13.57	0.12	19	1.99	<0.10	9	117	10.81	<1
21910	C2B-84	<1	52	8	12	71	<10	5	12	416	41	198	0.88	7.11	9.52	0.15	43.72	12.77	0.12	24	2.65	<0.10	5	103	10.78	<1
21912	C2B-84	<1	77	22	22	24	<10	<2	<1	67	27	118	0.61	4.47	6.85	0.11	58.07	15.36	0.14	16	3.34	1.43	28	126	3.74	<1
21913	C2B-84	<1	61	20	24	25	<10	<2	2	55	30	104	0.57	2.50	6.32	0.09	58.02	15.07	0.14	10	1.71	3.45	34	111	5.50	<1
21914	C2B-84	<1	75	22	63	54	<10	<2	10	124	32	124	0.65	2.43	7.20	0.13	61.64	16.26	0.16	18	0.25	3.23	11	54	1.12	<1
21915	C2B-84	<1	85	24	39	110	<10	4	<1	484	63	205	0.74	6.03	12.29	0.24	44.59	11.17	0.10	30	1.06	<0.10	5	67	11.23	<1
21916	C2B-84	<1	94	22	150	134	<10	7	<1	484	55	315	1.06	5.11	13.10	0.04	57.87	15.93	0.15	37	1.17	0.23	5	43	0.49	<1
21918	C2B-84	<1	27	10	141	71	<10	<2	19	77	37	71	0.35	2.54	7.86	0.29	62.00	10.58	0.13	21	1.36	0.61	17	93	5.30	<1
21919	C2B-84	<1	84	24	12	18	<10	<2	18	103	41	136	0.57	3.74	11.32	0.09	53.68	14.75	0.25	20	2.20	1.93	54	221	4.25	<1
21920	C2B-84	<1	55	24	18	6	<10	<2	7	94	46	132	0.54	3.76	15.69	0.08	51.65	14.06	0.28	30	1.54	2.22	70	303	4.26	<1
21921	C2B-84	<1	44	8	25	60	<10	<2	34	132	30	113	0.52	2.86	7.56	0.08	54.85	14.41	0.23	13	2.66	1.93	40	489	5.65	<1
21922	C2B-84	<1	21	8	14	19	<10	<2	23	83	22	92	0.46	1.84	4.25	0.06	59.70	15.55	0.19	17	3.74	1.95	43	455	4.79	1
21925	C2B-84	<1	37	12	16	63	<10	5	13	151	21	105	0.55	3.71	5.29	0.08	53.65	14.69	0.29	15	3.22	1.47	30	612	6.91	1
21924	C2B-84	<1	46	10	14	37	<10	<2	3	103	28	98	0.44	2.61	13.53	0.06	52.94	14.08	0.44	19	1.29	1.94	33	267	4.72	<1
21926	C2B-84	<1	86	10	9	46	<10	<2	3	113	33	113	0.54	3.00	11.85	0.06	54.82	16.61	0.30	16	1.94	2.23	13	203	2.58	<1
21927	C2B-84	<1	57	12	<5	28	<10	<2	16	108	30	105	0.42	2.98	11.24	0.07	55.52	14.10	0.31	28	1.90	1.83	60	204	4.25	<1
21928	C2B-84	<1	107	6	44	81	<10	<2	4	237	35	131	0.57	3.21	7.43	0.07	56.26	16.28	0.25	30	1.41	2.53	38	227	4.33	1
21929	C2B-84	<1	70	8	<5	35	<10	<2	2	114	29	93	0.41	2.87	13.20	0.07	57.08	13.10	0.38	13	1.63	2.05	20	165	3.40	<1
21930	C2B-84	<1	70	14	18	44	<10	<2	4	110	32	103	0.48	2.87	10.46	0.07	55.90	14.78	0.27	21	1.70	2.51	31	287	3.36	<1
21931	C2B-84	<1	79	12	33	78	<10	<2	2	284	35	124	0.55	4.58	6.82	0.08	54.71	14.67	0.28	30	2.42	2.10	57	467	4.49	1
21932	C2B-84	<1	94	6	18	65	<10	<2	2	132	25	135	0.65	3.50	6.91	0.06	58.70	17.91	0.21	16	2.17	2.67	13	303	2.35	2
21933	C2B-84	<1	76	14	55	86	<10	6	19	438	39	173	0.57	7.40	8.35	0.16	44.20	9.98	0.29	17	1.25	1.17	12	641	9.60	1
21934	C2B-84	<1	72	10	24	25	<10	<2	3	74	32	93	0.47	3.40	6.41	0.05	61.09	16.60	0.18	10	3.41	1.89	12	257	1.82	1
21935	C2B-84	<1	60	6	21	36	<10	<2	<1	109	21	78	0.43	3.39	7.35	0.05	63.75	14.68	0.17	9	2.20	1.98	12	183	1.47	1
21936	C2B-84	<1	62	4	25	30	<10	<2	2	97	20	81	0.42	2.47	4.82	0.08	62.29	15.29	0.16	9	3.27	2.19	10	435	2.91	1
21937	C2B-84	<1	77	10	37	47	<10	<2	2	137	25	110	0.54	3.23	6.03	0.06	60.73	16.53	0.18	11	2.04	2.82	16	238	2.13	1
21938	C2B-84	<1	61	4	38	20	<10	5	4	97	19	84	0.44	2.31	4.61	0.07	62.58	16.13	0.16	5	3.38	2.21	15	410	3.05	1

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

APPENDIX B-4

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
21939	C2B-84	<2	17	<1.0	<10	448	6	<10	<2	0.28	<1	<1	<0.5	34	4	<30	<50	310	<5	8	11	23	55	87	<10	<2
21940	C2B-84	<2	4	<1.0	<10	538	3	<10	4	0.10	<1	<1	<0.5	29	4	<30	<50	340	<5	8	9	26	54	76	<10	<2
21941	C2B-84	<2	16	<1.0	<10	1255	13	<10	<2	0.17	<1	<1	<0.5	64	4	<30	<50	270	<5	8	10	26	49	85	<10	<2
21943	C2B-84	<2	82	<1.0	<10	538	41	<10	<2	0.32	<1	<1	<0.5	35	4	<30	<50	300	<5	8	9	22	45	82	<10	<2
21944	C2B-84	<2	15	<1.0	<10	448	7	<10	<2	0.19	<1	<1	<0.5	33	4	<30	<50	240	<5	7	8	21	44	92	<10	<2
21945	C2B-84	<2	11	<1.0	<10	448	6	<10	<2	0.17	<1	<1	<0.5	25	<2	<30	<50	330	<5	8	12	21	46	84	<10	<2
21946	C2B-84	<2	480	<1.0	<10	538	25	<10	<2	0.37	<1	<1	<0.5	51	4	<30	<50	290	<5	9	11	26	56	96	<10	<2
21947	C2B-84	<2	77	<1.0	30	538	10	<10	<2	0.21	1	<1	<0.5	101	<2	<30	<50	380	<5	12	14	26	50	101	<10	<2
21948	C2B-84	<2	81	<1.0	30	538	11	<10	<2	0.24	<1	<1	<0.5	63	4	<30	<50	400	<5	12	14	31	66	130	<10	<2
21949	C1-83	<2	44	<1.0	<10	167	<1	<10	<2	0.02	<1	<1	1.0	156	<2	<30	<50	17	<5	36	26	3	7	65	<100	<2
21950	C1-83	<2	11	<1.0	<10	64	3	<10	<2	0.02	<1	<1	1.0	100	4	<30	<50	150	<5	39	24	5	13	66	<100	<2
21951	C1-83	<2	18	<1.0	<10	176	5	<10	5	0.01	<1	<1	1.0	90	6	<30	<50	17	<5	31	23	6	15	73	<100	<2
21952	C1-83	<2	5	<1.0	<10	53	<1	<10	7	0.02	<1	<1	1.5	76	2	<30	<50	29	<5	43	25	4	11	55	<100	<2
21953	C1-83	<2	20	<1.0	<10	91	2	<10	34	0.01	<1	<1	1.0	172	4	<30	<50	31	<5	39	24	4	10	62	<100	<2
21954	C1-83	<2	5	<1.0	<10	32	<1	<10	8	0.03	<1	<1	1.0	46	6	<30	<50	100	<5	37	32	7	17	101	<100	<2
21955	C1-83	<2	10	<1.0	<10	151	7	<10	24	0.04	<1	<1	1.0	70	2	<30	<50	23	<5	25	19	6	14	72	<100	<2
21956	C1-83	<2	6	<1.0	<10	12	<1	<10	4	0.05	<1	<1	1.0	100	4	<30	<50	36	<5	35	23	4	12	58	<100	<2
21957	C1-83	<2	9	<1.0	<10	23	2	<10	8	0.03	<1	<1	1.0	172	4	<30	<50	22	<5	34	24	3	12	58	<100	<2
21958	C1-83	<2	6	<1.0	<10	174	<1	<10	<2	0.04	<1	<1	1.0	98	4	<30	<50	21	<5	29	21	4	11	50	<100	<2
21959	C1-83	<2	20	<1.0	<10	352	2	<10	<2	0.06	<1	<1	1.0	137	6	<30	<50	30	<5	30	21	4	8	57	<100	<2
21960	C1-83	<2	46	<1.0	<10	509	2	<10	<2	0.07	<1	<1	1.0	59	4	<30	<50	31	<5	38	24	4	13	95	<100	<2
21961	C1-83	<2	150	<1.0	<10	237	5	<10	5	0.15	<1	<1	0.5	67	4	<30	<50	26	<5	31	22	4	14	56	<100	<2
21962	C1-83	<2	100	<1.0	<10	115	17	<10	7	0.42	<1	<1	1.0	87	4	<30	<50	36	<5	30	20	4	9	53	<100	<2
21963	C1-83	<2	190	<1.0	<10	108	3	<10	<2	0.23	<1	<1	1.0	99	4	<30	<50	86	<5	27	16	3	10	99	<100	<2
21964	C1-83	<2	42	<1.0	20	111	4	<10	7	0.15	<1	<1	1.0	121	4	<30	<50	40	<5	36	25	4	11	63	<100	<2
21965	C1-83	<2	43	<1.0	<10	185	64	<10	9	0.22	<1	<1	0.5	86	2	<30	<50	86	<5	21	18	9	21	93	<100	<2
21966	C1-83	<2	340	<1.0	<10	473	136	23	<2	1.69	<1	<1	1.0	181	6	<30	<50	94	<5	12	10	21	46	141	<100	<2
21967	C1-83	<2	60	<1.0	30	439	8	<10	<2	0.30	<1	<1	0.0	39	6	<30	<50	130	<5	16	17	21	46	103	<100	<2
21968	C1-83	<2	8	<1.0	<10	170	3	<10	<2	0.17	<1	<1	1.0	8	6	<30	<50	12	<5	9	12	11	24	56	<100	<2
21969	C1-83	<2	7	<1.0	<10	53	<1	<10	7	0.01	<1	<1	1.5	12	2	<30	<50	29	<5	4	14	7	17	31	<100	<2
21970	C1-83	<2	9	2.0	<10	22	10	<10	15	0.13	<1	<1	1.5	190	<2	<30	<50	13	<5	3	7	7	16	24	<100	<2
21971	C1-83	<2	9	<1.0	<10	99	3	<10	8	0.04	<1	<1	1.5	15	<2	<30	<50	29	<5	4	9	8	17	30	<100	<2
21972	C1-83	<2	5	<1.0	<10	401	<1	<10	<2	0.15	<1	<1	1.0	35	2	<30	<50	29	<5	14	15	18	41	98	<100	<2
21973	C1-83	<2	5	<1.0	<10	512	3	<10	<2	0.25	<1	<1	1.0	72	4	<30	<50	3	<5	6	11	16	35	73	<100	<2
21974	C1-83	<2	10	<1.0	<10	512	10	<10	<2	0.32	<1	<1	1.0	90	4	<30	<50	160	<5	12	14	17	37	137	<100	<2
21975	C1-83	<2	17	<1.0	<10	461	8	<10	<2	0.41	<1	<1	1.0	52	4	<30	<50	140	<5	10	11	27	57	148	<100	<2
21976	C1-83	<2	5	<1.0	<10	336	87	<10	<2	0.45	<1	<1	1.0	145	4	<30	<50	270	<5	11	11	22	48	83	<100	<2
21977	C1-83	<2	3	<1.0	<10	479	4	<10	<2	0.30	<1	<1	1.0	257	6	<30	<50	110	<5	13	12	28	58	91	<100	<2
21978	C1-83	<2	140	<1.0	<10	538	2	<10	5	0.21	<1	<1	0.5	78	6	<30	<50	64	<5	15	16	30	62	135	<100	<2
21979	C1-83	<2	140	1.0	20	521	2	<10	<2	0.16	<1	<1	1.0	74	6	<30	<50	130	<5	19	17	40	81	118	<100	<2

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
21939	C2B-84	<1	61	8	34	19	<10	<2	6	66	23	91	0.47	2.69	5.20	0.08	55.66	17.38	0.20	4	4.34	2.12	23	478	4.51	1
21940	C2B-84	<1	78	12	29	23	<10	4	3	65	22	86	0.48	2.65	5.70	0.07	59.24	17.01	0.20	5	4.40	1.79	13	549	3.89	1
21941	C2B-84	<1	75	14	64	23	<10	<2	13	73	23	99	0.48	2.36	5.28	0.08	58.92	16.30	0.20	5	3.74	2.07	16	489	4.48	1
21943	C2B-84	<1	72	10	35	28	<10	<2	41	70	18	86	0.46	2.17	4.94	0.09	59.33	16.48	0.18	5	3.52	2.19	19	512	4.01	1
21944	C2B-84	<1	64	16	33	18	<10	<2	7	71	19	83	0.44	2.04	4.54	0.07	58.80	16.05	0.17	4	3.81	2.23	14	443	4.12	1
21945	C2B-84	<1	70	12	25	31	<10	<2	6	87	21	84	0.43	2.42	5.82	0.07	59.94	15.17	0.16	5	3.14	2.05	16	329	3.92	1
21946	C2B-84	<1	25	12	51	37	<10	<2	25	118	28	89	0.47	1.99	5.40	0.06	60.29	15.30	0.16	5	2.63	2.44	22	370	3.60	1
21947	C2B-84	<1	20	10	101	51	<10	<2	10	155	28	124	0.55	2.07	4.37	0.06	60.27	17.17	0.19	9	2.43	2.70	22	431	3.36	1
21948	C2B-84	<1	213	12	63	59	<10	<2	11	179	30	115	0.56	1.91	4.23	0.07	62.08	16.54	0.17	7	2.64	2.53	25	330	3.90	1
21949	C1-83	1	93	16	156	179	<10	<2	<1	562	69	267	0.95	7.51	13.20	0.33	54.44	14.72	0.11	41	0.28	0.17	15	91	1.15	<1
21950	C1-83	<1	89	22	100	237	<10	<2	3	615	62	318	1.03	7.24	12.30	0.25	54.84	15.82	0.14	51	0.21	<0.10	14	120	2.15	<1
21951	C1-83	<1	90	14	90	103	<10	5	5	253	48	239	0.86	5.95	14.36	0.31	54.81	14.56	0.13	59	0.24	0.79	11	60	1.30	<1
21952	C1-83	<1	74	16	76	94	<10	7	<1	900	63	334	0.91	12.10	12.45	0.20	49.86	14.49	0.10	54	0.80	<0.10	7	107	2.61	<1
21953	C1-83	<1	78	16	172	76	<10	34	2	346	65	303	1.04	8.23	13.56	0.18	50.66	15.10	0.12	45	1.59	<0.10	5	139	3.73	<1
21954	C1-83	1	75	20	46	68	<10	8	<1	229	57	317	1.23	7.21	13.06	0.18	50.16	14.13	0.16	38	2.05	<0.10	11	153	7.29	<1
21955	C1-83	<1	61	18	70	152	<10	24	7	450	58	227	0.73	5.22	9.58	0.18	53.44	13.46	0.11	31	1.63	0.77	22	88	6.86	<1
21956	C1-83	<1	94	20	100	142	<10	4	<1	739	64	286	0.86	6.83	12.78	0.26	48.85	12.88	0.10	39	1.27	<0.10	3	132	10.15	<1
21957	C1-83	1	82	18	172	146	<10	8	2	730	68	291	0.84	6.25	13.53	0.31	47.91	12.69	0.10	37	1.42	<0.10	12	118	9.74	<1
21958	C1-83	1	66	8	98	268	<10	<2	<1	665	58	293	0.74	7.24	9.89	0.23	44.40	11.09	0.09	44	0.90	0.27	18	75	11.65	<1
21959	C1-83	1	61	12	137	117	<10	<2	2	492	42	238	0.72	5.67	11.47	0.28	44.03	11.01	0.09	42	0.30	1.19	34	58	10.14	<1
21960	C1-83	<1	79	8	59	201	<10	<2	2	682	69	332	0.95	2.42	12.29	0.46	57.17	14.87	0.14	41	0.76	1.96	63	46	2.02	<1
21961	C1-83	1	57	16	67	104	<10	5	5	491	44	294	0.78	5.17	10.48	0.26	44.16	11.70	0.09	37	1.21	0.57	17	75	9.57	<1
21962	C1-83	4	46	10	87	96	<10	7	17	423	39	257	0.75	5.05	9.88	0.25	44.79	11.39	0.09	35	1.63	0.17	11	100	9.82	<1
21963	C1-83	1	35	10	99	155	<10	<2	3	552	46	233	0.70	6.65	8.86	0.21	43.22	10.88	0.10	41	1.27	0.36	20	122	10.52	<1
21964	C1-83	<1	33	12	121	55	<10	7	4	432	42	312	0.94	3.74	10.32	0.46	43.94	14.80	0.09	28	2.15	0.62	17	127	8.11	<1
21965	C1-83	<1	12	10	86	49	<10	9	64	223	34	185	0.69	3.28	8.52	0.28	53.34	12.61	0.12	26	1.59	0.78	19	105	6.90	<1
21966	C1-83	1	13	12	181	78	23	<2	136	226	55	139	0.52	1.71	5.53	0.06	66.61	15.15	0.15	22	2.23	2.46	110	175	1.62	<1
21967	C1-83	<1	85	18	39	20	<10	<2	8	94	27	149	0.60	2.53	9.12	0.10	56.58	16.20	0.21	26	1.21	3.25	64	152	3.46	<1
21968	C1-83	<1	53	20	8	<10	<10	<2	3	70	28	106	0.37	2.87	27.09	0.10	50.41	9.27	0.24	40	1.91	0.65	48	177	2.58	<1
21969	C1-83	2	40	14	12	<10	<10	7	<1	53	19	59	0.19	2.24	43.10	0.05	44.97	5.01	0.30	45	0.47	0.43	35	52	0.74	<1
21970	C1-83	<1	36	10	190	<10	<10	15	10	45	24	54	0.14	2.44	42.46	0.07	46.63	3.82	0.30	42	0.18	<0.10	8	29	1.09	<1
21971	C1-83	1	34	14	15	<10	<10	8	3	48	20	69	0.16	2.37	43.33	0.06	45.04	4.49	0.32	44	0.75	<0.10	9	74	1.36	<1
21972	C1-83	<1	98	12	35	10	<10	<2	<1	108	31	169	0.59	3.40	13.11	0.12	53.96	14.37	0.26	35	3.61	1.52	77	214	3.78	1
21973	C1-83	<1	72	16	72	21	<10	<2	3	93	18	87	0.29	1.96	9.34	0.13	58.98	11.86	0.17	15	3.18	1.34	36	527	5.16	<1
21974	C1-83	<1	65	14	90	29	<10	<2	10	141	26	134	0.50	2.58	9.12	0.11	56.51	14.19	0.19	24	1.10	2.78	40	363	5.04	<1
21975	C1-83	<1	29	10	52	41	<10	<2	8	99	22	130	0.48	1.96	5.39	0.06	60.29	16.27	0.18	15	3.33	2.10	34	451	3.81	1
21976	C1-83	1	58	16	145	60	<10	<2	87	116	43	131	0.47	3.77	14.94	0.03	56.14	14.37	0.51	51	0.95	1.15	56	116	2.77	<1
21977	C1-83	<1	68	18	257	65	<10	<2	4	127	38	175	0.52	2.65	10.01	0.06	55.31	17.05	0.28	45	2.11	2.56	120	185	2.59	1
21978	C1-83	1	47	24	78	69	<10	5	2	176	29	144	0.58	2.72	5.97	0.07	58.19	17.15	0.17	17	2.47	2.25	25	233	2.68	1
21979	C1-83	1	35	16	74	112	<10	<2	2	264	36	174	0.69	2.95	6.83	0.06	56.12	19.76	0.17	60	1.76	2.74	150	262	1.81	1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX B-6

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
21981	C1-83	<2	260	1.0	20	466	<1	<10	<2	0.31	<1	<1	1.0	74	4	<30	<50	150	<5	17	16	34	68	118	<100	<2
21982	C1-83	<2	320	<1.0	30	505	2	<10	<2	0.10	<1	<1	0.5	462	4	<30	<50	130	<5	18	17	33	69	104	<100	<2
21983	C1-83	<2	390	<1.0	40	639	5	<10	<2	0.39	<1	<1	1.0	82	6	<30	<50	270	<5	24	23	41	89	152	<100	<2
21984	C1-83	<2	20	<1.0	<10	454	3	<10	7	0.25	<1	<1	0.5	39	4	<30	<50	160	<5	12	12	31	60	110	<100	<2
21985	C1-83	<2	5	<1.0	<10	401	5	<10	<2	0.46	<1	<1	1.0	20	2	<30	<50	71	<5	10	10	23	49	90	<100	<2
21986	C1-83	<2	2	<1.0	<10	461	15	<10	<2	0.09	<1	<1	1.0	5	4	<30	<50	100	<5	10	12	26	59	151	<100	<2
21987	C1-83	<2	1	<1.0	<10	659	2	<10	<2	0.14	<1	<1	1.0	7	2	<30	<50	180	<5	6	6	16	36	78	<100	<2
21988	C1-83	<2	1	<1.0	<10	366	4	<10	<2	0.07	<1	<1	1.0	663	2	<30	<50	400	<5	12	12	23	46	79	<100	<2
21989	C1-83	<2	11	<1.0	<10	353	2	<10	<2	0.29	<1	<1	1.0	35	4	<30	<50	200	<5	12	15	27	54	84	<100	<2
21990	C4-84	<2	50	<1.0	20	394	70	<10	<2	0.33	<1	<1	1.0	44	<2	<30	<50	90	<5	5	9	14	31	110	<100	<2
21994	C4-84	<2	7	<1.0	<10	383	3	<10	<2	0.21	<1	<1	1.0	31	<2	<30	<50	120	<5	21	17	19	43	150	<100	<2
21991	C4-84	<2	9	<1.0	<10	45	<1	<10	<2	0.03	<1	<1	1.0	12	<2	<30	<50	90	<5	5	7	8	17	45	<100	<2
21992	C4-84	<2	9	<1.0	<10	309	4	<10	<2	0.04	<1	<1	1.0	13	<2	<30	<50	110	<5	13	12	15	35	78	<100	<2
21993	C4-84	<2	5	<1.0	<10	300	3	<10	<2	0.11	<1	<1	1.5	8	<2	<30	<50	210	<5	13	12	14	30	76	<100	<2
21995	C4-84	<2	950	<1.0	<10	778	185	<10	6	0.89	<1	<1	1.0	74	<2	<30	<50	230	<5	10	18	39	83	115	<100	<2
21996	C4-84	<2	85	<1.0	20	509	8	<10	4	0.61	<1	<1	1.0	58	<2	<30	<50	240	<5	13	13	20	43	114	<100	<2
21997	C4-84	<2	18	<1.0	30	591	4	<10	<2	0.13	<1	<1	1.0	20	<2	<30	<50	290	<5	20	16	35	70	132	<100	<2
21998	C4-84	<2	88	<1.0	30	513	84	<10	<2	0.11	<1	<1	1.0	260	2	<30	<50	210	<5	20	17	33	62	155	<100	<2
21999	C4-84	<2	84	<1.0	20	426	135	<10	<2	0.71	<1	<1	1.0	33	<2	<30	<50	210	<5	13	12	24	47	90	<100	<2
22000	C4-84	<2	4	<1.0	<10	445	17	<10	<2	0.37	<1	<1	1.0	16	2	<30	<50	210	<5	12	11	22	48	98	<100	<2
22001	C4-84	<2	4	<1.0	<10	489	19	<10	<2	0.33	<1	<1	1.0	8	2	<30	<50	370	<5	12	14	22	46	104	<100	<2
22002	C4B-84	<2	110	1.0	<10	465	4	<10	6	0.08	<1	<1	1.0	<5	2	<30	<50	28	<5	11	11	10	18	98	<100	<2
22003	C4B-84	<2	81	<1.0	<10	84	2	<10	5	0.01	<1	<1	1.0	22	2	<30	<50	47	<5	46	40	5	16	132	<100	<2
22004	C4B-84	<2	82	<1.0	20	106	5	<10	9	0.04	<1	<1	1.0	44	6	<30	<50	47	<5	38	38	7	20	111	<100	<2
22005	C4B-84	<2	10	<1.0	20	557	3	<10	<2	0.05	<1	<1	1.0	35	4	<30	<50	44	<5	25	22	20	44	123	<100	<2
22006	C4B-84	<2	78	<1.0	30	423	<1	<10	<2	0.03	<1	<1	1.0	228	6	<30	<50	120	<5	16	12	5	22	181	<100	<2
22007	C4B-84	<2	160	<1.0	<10	42	<1	<10	<2	0.02	<1	<1	1.0	87	8	<30	<50	25	<5	45	29	4	14	84	<100	<2
22008	C4B-84	<2	11	<1.0	<10	144	2	<10	<2	0.11	<1	<1	1.5	755	6	<30	<50	50	<5	52	49	8	15	96	<100	<2
22009	C4B-84	<2	500	<1.0	<10	38	3	<10	6	0.01	<1	<1	1.0	129	4	<30	<50	36	<5	47	18	3	14	88	<100	<2
22010	C4B-84	<2	28	<1.0	20	74	2	20	<2	0.03	<1	<1	1.0	27	4	<30	<50	36	<5	44	32	3	11	73	<100	<2
22011	C4B-84	<2	44	<1.0	20	207	4	<10	<2	1.29	<1	<1	0.5	22	<2	<30	<50	110	<5	8	7	9	22	92	<100	<2
22012	C4B-84	<2	500	<1.0	<10	248	60	<10	<2	0.20	<1	<1	<0.5	31	2	<30	<50	70	<5	3	5	10	21	90	<100	<2
22013	C4B-84	<2	19	<1.0	<10	508	3	<10	<2	0.38	<1	<1	0.5	45	2	<30	<50	80	<5	12	15	20	44	116	<100	<2
22014	C4B-84	<2	17	<1.0	<10	445	4	<10	5	0.29	<1	<1	0.5	9	4	<30	<50	280	<5	19	17	18	40	118	<100	<2
22015	C4B-84	<2	9	<1.0	<10	406	2	<10	<2	0.30	<1	<1	1.0	11	2	<30	<50	210	<5	20	17	14	35	126	<100	<2
22016	C4B-84	<2	4	<1.0	<10	133	5	<10	4	0.01	<1	<1	1.5	83	<2	<30	<50	130	<5	7	10	10	21	67	<100	<2
22017	C4B-84	<2	4	<1.0	<10	49	3	<10	6	0.07	<1	<1	1.5	10	<2	<30	<50	140	<5	4	10	10	19	38	<100	<2
22018	C4B-84	<2	5	<1.0	<10	267	3	<10	<2	0.12	<1	<1	1.5	11	2	<30	<50	200	<5	11	11	10	24	67	<100	<2
22019	C4B-84	<2	6	<1.0	<10	407	4	<10	<2	0.19	<1	<1	1.0	<5	4	<30	<50	190	<5	16	14	11	25	89	<100	<2
21852	LOK-1	<2	1	<1.0	<10	90	3	<10	5	0.02	1	<1	<0.5	58	<2	<30	<50	250	<5	29	18	3	7	47	<10	<2

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX B-7

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
21981	C1-83	<1	28	12	74	94	<10	<2	<1	203	34	158	0.64	3.01	6.75	0.07	56.79	18.22	0.19	44	2.14	2.27	115	280	1.53	1
21982	C1-83	<1	38	10	462	102	<10	<2	2	205	33	169	0.62	3.32	6.98	0.07	55.30	17.73	0.19	28	2.07	2.43	22	270	1.80	1
21983	C1-83	1	35	14	82	124	<10	<2	5	298	46	230	0.87	2.87	7.16	0.06	49.64	23.91	0.21	58	2.27	3.54	200	337	0.95	2
21984	C1-83	<1	32	14	39	52	<10	7	3	137	27	130	0.51	2.64	7.90	0.07	56.96	16.03	0.30	28	2.52	2.05	45	267	3.77	1
21985	C1-83	<1	52	14	20	39	<10	<2	5	104	26	120	0.44	2.81	14.21	0.08	53.46	14.08	0.41	34	2.40	1.45	56	289	3.96	<1
21986	C1-83	<1	52	16	5	36	<10	<2	15	97	27	111	0.44	2.55	14.59	0.07	56.05	14.26	0.42	35	2.24	2.02	57	250	2.67	1
21987	C1-83	<1	34	18	7	<10	<10	<2	2	55	15	96	0.40	1.67	5.49	0.10	55.87	17.85	0.20	11	4.92	2.86	160	277	4.03	1
21988	C1-83	<1	71	14	663	48	<10	<2	4	101	34	140	0.46	2.75	19.66	0.03	54.52	13.86	0.50	50	1.62	1.53	54	121	1.72	<1
21989	C1-83	<1	58	8	35	45	<10	<2	2	103	29	118	0.43	2.54	10.61	0.06	55.79	13.53	0.29	41	1.35	1.91	57	153	5.47	1
21990	C4-84	1	36	58	44	37	<10	<2	70	52	19	59	0.39	0.86	2.88	0.01	69.67	18.17	0.07	18	0.75	3.05	76	161	0.36	1
21994	C4-84	<1	102	66	31	43	<10	<2	3	56	48	218	0.99	4.98	11.47	0.05	54.91	19.94	0.06	58	0.20	1.56	25	89	0.07	<1
21991	C4-84	1	36	144	12	15	<10	<2	<1	24	24	44	0.20	2.02	32.91	0.06	52.63	5.77	0.36	37	0.07	0.74	34	34	0.58	<1
21992	C4-84	<1	78	52	13	34	<10	<2	4	77	36	109	0.50	4.67	20.55	0.09	54.53	11.83	0.43	44	0.06	1.46	80	58	0.65	<1
21993	C4-84	1	70	132	8	29	<10	<2	3	83	34	118	0.51	4.03	24.92	0.09	52.46	12.04	0.28	41	0.16	1.36	66	70	0.44	<1
21995	C4-84	2	61	36	74	<10	<10	6	185	67	20	155	0.67	2.40	6.94	0.12	54.66	15.50	0.25	14	4.59	1.83	43	984	4.73	1
21996	C4-84	2	29	122	58	22	<10	4	8	103	20	122	0.58	2.74	5.99	0.10	55.29	16.27	0.22	24	2.76	2.25	78	527	5.05	1
21997	C4-84	1	16	84	20	79	<10	<2	4	222	20	177	0.81	2.20	5.18	0.05	55.62	20.75	0.20	41	1.64	3.11	160	349	3.69	1
21998	C4-84	<1	25	36	260	93	<10	<2	84	254	33	167	0.76	2.37	6.04	0.05	56.60	19.35	0.18	42	1.56	2.51	130	268	3.41	1
21999	C4-84	<1	24	25	33	57	<10	<2	135	185	13	110	0.54	2.67	7.89	0.06	59.72	14.93	0.26	39	1.12	1.93	100	258	4.17	1
22000	C4-84	1	56	12	16	75	<10	<2	17	106	23	110	0.52	3.26	9.99	0.07	54.91	15.02	0.36	38	1.44	2.16	60	252	5.06	1
22001	C4-84	1	70	30	8	95	<10	<2	19	94	31	117	0.50	4.35	13.04	0.07	52.50	15.88	0.41	53	1.05	1.95	85	197	3.56	1
22002	C4B-84	<1	92	18	<5	86	<10	6	4	89	30	104	0.51	4.34	13.01	0.07	50.79	15.50	0.39	51	1.03	2.05	10	186	3.47	<1
22003	C4B-84	1	78	22	22	57	<10	5	2	299	31	341	1.86	0.56	19.84	0.11	51.12	17.22	0.21	45	0.09	0.16	10	65	0.35	<1
22004	C4B-84	<1	76	54	44	105	<10	9	5	335	39	276	1.52	0.23	14.93	0.11	59.24	16.00	0.23	46	0.07	0.39	8	46	0.38	<1
22005	C4B-84	<1	73	18	35	89	<10	<2	3	308	44	229	1.11	0.56	11.52	0.18	60.29	17.14	0.24	28	0.08	2.49	51	46	0.40	<1
22006	C4B-84	<1	51	18	228	46	<10	<2	<1	167	26	158	0.69	0.33	6.96	0.08	65.63	16.78	0.11	13	0.23	3.89	105	35	0.26	<1
22007	C4B-84	<1	61	18	87	239	<10	<2	<1	655	80	308	1.24	0.24	14.33	0.66	56.99	17.50	0.13	76	0.07	<0.10	8	38	0.26	<1
22008	C4B-84	6	285	16	755	261	<10	<2	2	188	124	462	1.90	2.69	22.06	0.24	45.26	17.52	0.21	56	1.28	0.93	22	196	1.34	<1
22009	C4B-84	1	94	14	129	262	<10	6	3	890	77	295	1.27	0.42	13.82	0.33	58.86	17.38	0.10	78	0.08	<0.10	6	46	0.31	<1
22010	C4B-84	1	114	<2	27	130	20	<2	2	474	32	343	1.16	0.47	14.49	0.17	58.84	16.23	0.14	34	1.57	0.39	11	150	0.44	<1
22011	C4B-84	<1	23	<2	22	45	<10	<2	4	58	16	68	0.42	1.69	6.71	0.18	59.08	14.89	0.12	21	2.61	1.00	21	203	4.32	<1
22012	C4B-84	2	17	4	31	21	<10	<2	60	82	8	36	0.29	1.09	2.50	0.07	68.05	14.18	0.09	11	3.41	1.75	42	287	3.39	<1
22013	C4B-84	<1	87	4	45	45	<10	<2	3	57	20	125	0.58	2.50	7.42	0.09	57.21	16.03	0.24	26	3.08	2.16	62	327	4.54	<1
22014	C4B-84	1	107	2	9	48	<10	5	4	100	27	183	0.78	3.48	8.25	0.10	55.19	16.74	0.23	32	2.57	2.25	57	239	3.35	1
22015	C4B-84	<1	124	<2	11	33	<10	<2	2	99	43	184	0.81	5.53	11.70	0.09	54.37	16.78	0.24	37	1.71	2.33	27	71	0.46	<1
22016	C4B-84	<1	42	<2	83	<10	<10	4	5	64	22	59	0.30	3.90	31.12	0.06	49.57	6.84	0.35	30	0.11	0.52	24	44	1.86	<1
22017	C4B-84	<1	31	<2	10	<10	<10	6	3	170	21	46	0.23	3.61	38.32	0.05	46.37	5.68	0.38	35	0.18	0.12	15	35	0.89	<1
22018	C4B-84	<1	63	<2	11	19	<10	<2	3	82	38	100	0.47	4.85	25.98	0.07	50.85	10.42	0.34	41	0.45	1.16	21	52	0.87	1
22019	C4B-84	<1	91	<2	<5	40	<10	<2	4	110	50	151	0.66	6.25	18.23	0.10	52.57	13.77	0.30	48	0.62	1.61	45	50	0.70	1
21852	LOK-1	<1	81	2	58	48	<10	5	3	87	48	307	0.98	4.16	13.60	0.20	44.20	12.23	0.10	15	1.72	0.48	10	84	11.28	<1

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

APPENDIX B-8

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
21865	LOK-1	<2	3	<1.0	<10	<50	3	<10	<2	0.15	<1	<1	<0.5	<5	<2	<30	<50	180	<5	4	7	2	6	<10	<10	<2
21853	LOK-1	<2	2	<1.0	<10	<50	<1	<10	5	0.11	<1	<1	<0.5	107	<2	<30	<50	280	<5	34	21	3	10	47	<10	<2
21854	LOK-1	<2	18	<1.0	<10	358	3	<10	9	0.33	1	<1	<0.5	194	2	<30	<50	270	<5	30	19	10	22	64	<10	<2
21855	LOK-1	<2	83	<1.0	<10	179	4	<10	<2	0.25	1	<1	<0.5	157	24	<30	<50	800	<5	26	17	31	67	104	<10	<2
21889	RL-28	<2	1	<1.0	<10	90	2	<10	4	1.10	<1	<1	<0.5	89	<2	<30	<50	330	<5	31	17	5	12	71	<10	<2
21877	RL-28	<2	3	<1.0	<10	179	<1	<10	<2	1.86	3	<1	<0.5	204	8	<30	<50	160	<5	6	4	3	5	44	<10	<2
21878	RL-28	<2	110	<1.0	<10	538	<1	20	5	3.00	<1	<1	<0.5	108	<2	<30	<50	620	<5	20	21	52	110	142	<10	<2
21879	RL-28	<2	2	<1.0	<10	1075	<1	<10	<2	0.12	<1	<1	<0.5	64	<2	<30	<50	1850	<5	19	29	63	140	184	<10	<2
21880	RL-28	<2	10	<1.0	<10	179	2	<10	<2	1.88	<1	<1	<0.5	106	4	<30	<50	400	<5	11	6	4	10	27	<10	<2
21881	RL-28	<2	<1	4.0	<10	<50	<1	<10	9	1.15	<1	<1	<0.5	94	<2	<30	<50	340	<5	22	9	4	10	24	<10	<2
21882	RL-28	<2	2	<1.0	<10	<50	<1	<10	5	0.15	<1	<1	<0.5	475	<2	<30	<50	190	<5	14	6	3	7	17	<10	<2
21886	RL-28	<2	<1	3.0	<10	<50	<1	<10	6	0.04	<1	<1	<0.5	60	<2	<30	<50	***	<5	14	8	2	7	50	<10	<2
21887	RL-28	<2	<1	2.0	<10	<50	<1	<10	6	0.06	<1	<1	<0.5	21	<2	<30	<50	130	<5	12	5	2	<5	14	<10	<2
21888	RL-28	<2	1	<1.0	<10	<50	<1	<10	<2	0.12	<1	<1	<0.5	33	<2	<30	<50	160	<5	12	5	2	7	13	<10	<2
22020	TIT-3	<2	<1	<1.0	<10	150	<1	<10	<2	0.02	<1	<1	1.0	70	2	<30	<50	1100	<5	22	17	68	170	172	<100	<2
22021	TIT-3	<2	<1	<1.0	<10	211	<1	<10	9	0.06	<1	<1	1.0	38	2	<30	<50	1350	<5	22	15	60	160	170	<100	<2
22022	TIT-3	<2	1	<1.0	<10	322	2	<10	<2	0.02	<1	<1	1.0	96	<2	<30	<50	350	<5	9	21	57	120	195	<100	<2
22023	TIT-3	<2	3	<1.0	<10	119	<1	<10	<2	0.42	<1	<1	1.0	156	4	<30	<50	270	<5	34	24	8	22	71	<100	<2
22024	TIT-3	<2	1	<1.0	<10	178	<1	<10	<2	0.75	<1	<1	1.0	220	2	<30	<50	190	<5	34	25	5	13	84	<100	<2
22025	TIT-3	<2	<1	<1.0	<10	111	<1	<10	4	0.32	<1	<1	1.0	235	2	<30	<50	210	<5	27	18	13	35	82	<100	<2
22026	TIT-3	<2	<1	<1.0	<10	65	3	<10	4	0.30	<1	<1	1.0	172	4	<30	<50	270	<5	35	23	5	11	63	<100	<2
22027	TIT-3	<2	<1	<1.0	<10	113	<1	<10	<2	0.33	<1	<1	1.0	120	<2	<30	<50	120	<5	35	23	4	12	58	<100	<2
22028	TIT-3	<2	1	<1.0	<10	118	<1	<10	<2	0.51	<1	<1	1.0	145	<2	<30	<50	360	<5	29	21	37	99	87	<100	<2
22029	TIT-3	<2	1	<1.0	<10	92	<1	<10	4	0.05	<1	<1	1.0	67	<2	<30	<50	140	<5	21	18	110	270	138	<100	<2
22030	TIT-3	<2	1	<1.0	<10	93	<1	<10	<2	0.42	<1	<1	1.0	209	<2	<30	<50	380	<5	25	19	32	88	64	<100	<2
22031	TIT-3	<2	1	<1.0	<10	88	<1	<10	8	1.95	<1	<1	0.5	141	<2	<30	<50	380	<5	29	13	5	14	32	<100	<2
22032	TIT-3	<2	1	<1.0	<10	147	<1	<10	<2	1.13	<1	<1	0.5	560	4	<30	<50	190	<5	22	17	5	14	65	<100	<2
22033	TIT-3	<2	<1	<1.0	<10	46	2	<10	6	0.52	<1	<1	1.5	62	<2	<30	<50	780	<5	21	18	42	120	84	<100	<2
22034	TIT-3	<2	2	<1.0	<10	194	2	<10	<2	0.47	<1	<1	1.5	290	<2	<30	<50	340	<5	21	10	15	38	47	<100	<2
22035	TIT-3	<2	<1	<1.0	<10	53	<1	<10	7	0.55	<1	<1	1.0	247	<2	<30	<50	230	<5	34	14	3	12	28	<100	<2
22036	TIT-3	<2	<1	<1.0	<10	63	<1	<10	6	0.38	<1	<1	1.0	175	<2	<30	<50	230	<5	34	14	4	14	30	<100	<2
22037	TIT-3	<2	<1	<1.0	<10	177	<1	<10	8	0.35	<1	<1	1.0	207	<2	<30	<50	180	<5	37	15	3	8	30	<100	<2
22038	TIT-3	<2	<1	<1.0	<10	76	<1	<10	6	0.74	<1	<1	1.0	256	<2	<30	<50	150	<5	34	16	10	20	40	<100	<2
22039	TIT-3	<2	2	<1.0	<10	80	<1	<10	7	2.15	<1	<1	1.5	241	<2	<30	<50	250	<5	34	18	3	8	38	<100	<2
22040	TIT-3	<2	1	<1.0	<10	38	<1	<10	6	0.19	<1	<1	1.5	97	<2	<30	<50	180	<5	37	14	3	8	31	<100	<2
22041	TIT-3	<2	1	<1.0	<10	101	<1	<10	<2	0.50	<1	<1	1.0	243	<2	<30	<50	150	<5	32	18	4	13	44	<100	<2
22042	TIT-3	<2	2	<1.0	<10	100	<1	<10	7	0.43	<1	<1	1.0	195	2	<30	<50	280	<5	28	18	8	18	69	<100	<2
22043	TIT-3	<2	2	<1.0	<10	115	<1	<10	7	0.16	<1	<1	1.0	158	<2	<30	<50	270	<5	31	17	4	12	47	<100	<2
22044	TIT-3	<2	2	<1.0	<10	275	<1	<10	9	0.20	<1	<1	1.0	297	2	<30	<50	400	<5	36	15	3	10	64	<100	<2
22045	TIT-3	<2	<1	<1.0	<10	102	<1	<10	5	0.66	<1	<1	1.0	298	<2	<30	<50	240	<5	34	15	6	13	64	<100	<2

*** INSUFFICIENT SAMPLE

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX B-9

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
21865	LOK-1	<1	33	4	<5	<5	<10	<2	3	45	<5	21	0.11	1.39	2.83	0.16	9.39	2.34	0.00	5	0.15	<0.10	8	408	46.53	<1
21853	LOK-1	<1	85	6	107	63	<10	5	<1	98	58	336	1.06	6.46	13.60	0.21	45.99	13.42	0.10	16	0.53	<0.10	2	193	10.62	<1
21854	LOK-1	2	1214	22	194	190	<10	9	3	407	70	267	0.81	6.15	14.69	0.12	49.36	13.01	0.16	20	0.91	2.10	16	75	2.33	<1
21855	LOK-1	2	336	32	157	223	<10	<2	4	671	77	226	0.74	9.71	12.32	0.16	47.20	11.38	0.40	32	0.72	0.82	17	254	3.85	<1
21889	RL-28	<1	99	14	89	179	<10	4	2	630	68	277	0.82	7.70	10.37	0.22	50.39	11.99	0.10	23	3.56	0.61	17	137	10.84	<1
21877	RL-28	<1	191	4	204	130	<10	<2	<1	361	46	53	0.17	1.00	4.88	0.05	77.67	2.45	0.05	9	0.55	0.47	26	57	1.58	<1
21878	RL-28	<1	151	2	108	127	20	5	<1	566	47	201	0.75	7.07	11.61	0.30	49.07	12.51	0.52	56	3.74	1.85	43	504	6.58	<1
21879	RL-28	<1	121	8	64	84	<10	<2	<1	580	47	187	0.80	9.20	10.05	0.15	52.17	13.01	0.66	50	3.66	2.96	100	952	4.85	1
21880	RL-28	<1	731	6	106	128	<10	<2	2	508	51	96	0.27	1.61	4.78	0.07	76.09	4.71	0.07	7	1.01	1.13	30	56	3.48	<1
21881	RL-28	<1	140	2	94	627	<10	9	<1	2139	89	173	0.41	15.59	12.57	0.26	42.44	6.02	0.06	14	0.89	<0.10	7	96	12.84	<1
21882	RL-28	<1	90	4	475	1271	<10	5	<1	2921	138	121	0.31	29.61	13.07	0.19	39.63	4.36	0.11	4	0.12	<0.10	9	52	3.79	<1
21886	RL-28	<1	73	<2	60	1207	<10	6	<1	2781	124	109	0.35	29.16	12.73	0.18	40.38	4.42	0.05	5	0.11	<0.10	10	32	3.77	<1
21887	RL-28	<1	77	<2	21	1461	<10	6	<1	2743	135	98	0.25	31.53	13.07	0.18	38.48	3.56	0.04	3	0.08	<0.10	9	18	2.66	<1
21888	RL-28	<1	75	<2	33	1481	<10	<2	<1	2905	134	108	0.25	31.21	12.74	0.18	38.35	3.63	0.05	6	0.08	<0.10	9	32	2.64	<1
22020	TIT-3	<1	96	8	70	304	<10	<2	<1	607	51	206	0.94	12.02	9.53	0.31	46.93	11.52	1.33	36	2.20	0.51	12	1300	11.08	1
22021	TIT-3	<1	107	12	38	396	<10	9	<1	755	57	188	0.90	14.02	9.53	0.19	46.21	10.60	1.02	44	1.56	0.51	16	1330	10.29	2
22022	TIT-3	<1	69	8	96	35	<10	<2	2	101	23	110	0.48	3.72	8.17	0.08	58.82	16.33	0.39	27	6.69	1.09	21	975	2.02	3
22023	TIT-3	<1	110	6	156	113	<10	<2	<1	258	52	318	1.12	5.08	11.88	0.20	46.41	13.32	0.15	23	2.68	0.39	15	320	13.62	<1
22024	TIT-3	<1	126	4	220	81	<10	<2	<1	175	53	320	1.12	5.52	12.52	0.22	43.37	12.42	0.10	30	2.56	0.57	18	213	13.17	<1
22025	TIT-3	<1	99	8	235	101	<10	4	<1	655	46	248	0.84	8.12	9.36	0.17	49.50	11.63	0.30	35	3.61	0.18	15	259	8.87	1
22026	TIT-3	<1	104	2	172	109	<10	4	3	187	60	328	1.19	6.26	12.80	0.19	46.14	13.87	0.11	34	3.65	0.29	9	214	7.69	<1
22027	TIT-3	<1	107	4	120	155	<10	<2	<1	179	63	318	1.15	6.38	12.63	0.21	47.21	14.28	0.10	32	3.05	0.25	13	301	10.32	<1
22028	TIT-3	1	111	6	145	175	<10	<2	<1	360	52	269	1.03	5.74	10.93	0.20	45.31	12.21	0.49	23	3.08	0.41	9	480	15.15	<1
22029	TIT-3	<1	91	14	67	342	<10	4	<1	694	48	187	0.92	13.02	8.87	0.17	44.29	10.58	1.21	41	2.14	<0.10	10	722	13.99	<1
22030	TIT-3	<1	88	8	209	192	<10	<2	<1	1010	49	210	0.69	6.08	10.13	0.19	46.45	11.39	0.37	17	1.52	0.28	8	392	18.32	<1
22031	TIT-3	<1	106	6	141	135	<10	8	<1	1268	54	225	0.66	5.84	12.12	0.19	45.55	11.41	0.08	37	2.10	0.25	12	179	14.41	<1
22032	TIT-3	<1	119	6	560	82	<10	<2	<1	372	42	210	0.74	3.82	10.53	0.16	54.62	11.46	0.11	38	2.49	0.69	20	149	8.93	<1
22033	TIT-3	<1	96	10	62	219	<10	6	2	940	38	163	0.70	4.64	7.43	0.19	39.68	10.14	0.80	45	3.68	<0.10	10	260	18.82	<1
22034	TIT-3	<1	112	2	290	146	<10	<2	2	955	58	198	0.63	3.68	15.99	0.22	52.96	10.95	0.24	35	1.42	0.85	15	164	7.99	<1
22035	TIT-3	<1	80	4	247	156	<10	7	<1	1044	58	233	0.70	3.68	12.98	0.26	45.22	12.27	0.08	21	1.97	<0.10	8	187	17.00	<1
22036	TIT-3	<1	83	6	175	203	<10	6	<1	843	65	245	0.72	5.52	10.87	0.21	46.46	12.62	0.08	27	2.26	0.13	10	159	15.79	<1
22037	TIT-3	<1	80	2	207	214	<10	8	<1	749	70	256	0.80	5.61	9.95	0.17	52.82	13.60	0.09	35	2.54	0.28	15	203	10.32	<1
22038	TIT-3	<1	78	8	256	203	<10	6	<1	635	61	235	0.72	5.31	10.15	0.19	48.25	12.50	0.10	27	3.27	<0.10	7	277	13.21	<1
22039	TIT-3	1	75	0	241	111	<10	7	<1	345	58	280	0.89	6.69	13.90	0.24	49.46	13.66	0.09	36	2.92	<0.10	11	164	8.05	<1
22040	TIT-3	1	70	6	97	102	<10	6	<1	502	58	244	0.50	9.12	11.21	0.18	50.94	12.98	0.07	41	2.31	<0.10	6	223	8.20	<1
22041	TIT-3	<1	105	4	243	80	<10	<2	<1	184	58	282	0.92	4.21	12.73	0.24	45.21	14.04	0.10	23	2.60	0.18	10	284	14.80	<1
22042	TIT-3	1	89	2	195	76	<10	7	<1	119	54	252	0.85	3.23	11.17	0.23	52.48	14.15	0.12	16	2.17	0.22	7	289	13.37	<1
22043	TIT-3	<1	104	0	158	132	<10	7	<1	130	68	287	0.92	4.77	12.88	0.24	46.47	14.36	0.09	36	0.46	0.38	11	227	14.11	<1
22044	TIT-3	1	65	6	297	204	<10	9	<1	169	86	387	1.40	1.76	8.44	0.18	49.82	20.43	0.13	40	0.92	1.57	43	183	12.90	<1
22045	TIT-3	<1	69	4	298	124	<10	5	<1	144	69	329	1.11	1.81	10.34	0.22	47.23	17.35	0.12	27	1.21	0.47	13	195	15.15	<1

ppm = PARTS PER MILLION   ppb = PARTS PER BILLION   % = PERCENT

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Bi	As	Sb	B	Ba	Au	Pt	Pd	S	Se	Te	Ag	Cu	Mo	W	Sn	F	Ga	Sc	Y	La	Ce	Zr	Nb	Ta
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
22046	TIT-3	<2	<1	<1.0	<10	143	<1	<10	5	0.32	<1	<1	1.0	253	<2	<30	<50	290	<5	37	17	9	24	62	<100	<2
22047	TIT-3	<2	<1	<1.0	<10	173	<1	<10	4	0.35	<1	<1	<0.5	233	6	<30	<50	310	<5	34	17	6	13	49	<100	<2
22048	TIT-3	<2	<1	<1.0	<10	495	<1	<10	8	0.55	<1	<1	1.5	61	4	<30	<50	180	<5	29	13	5	13	44	<100	<2
22049	TIT-3	<2	<1	<1.0	<10	218	<1	<10	<2	0.37	<1	<1	1.0	252	2	<30	<50	190	<5	33	19	4	9	44	<100	<2
22050	TIT-3	<2	1	<1.0	<10	141	<1	<10	<2	0.24	<1	<1	1.0	160	2	<30	<50	1000	<5	17	22	24	57	98	<100	<2
22051	TIT-3	<2	34	<1.0	<10	26	<1	<10	4	2.95	<1	<1	1.0	90	<2	<30	<50	50	<5	<1	5	1	<5	<10	<100	<2
22060	TIT-3	<2	10	<1.0	<10	228	<1	<10	<2	3.55	<1	<1	1.0	47	2	<30	<50	180	<5	5	3	2	<5	40	<100	<2
22052	TIT-3	<2	3	<1.0	<10	164	<1	<10	<2	0.99	<1	<1	1.0	153	<2	<30	<50	210	<5	2	3	2	<5	<10	<100	<2
22053	TIT-3	<2	3	<1.0	<10	157	<1	<10	<2	0.78	<1	<1	2.0	152	2	<30	<50	240	<5	1	5	2	<5	<10	<100	<2
22054	TIT-3	<2	2	<1.0	<10	772	<1	<10	<2	0.06	<1	<1	1.0	140	<2	<30	<50	520	<5	5	17	51	120	198	<100	<2
22055	TIT-3	<2	3	<1.0	<10	70	<1	<10	<2	0.48	<1	<1	1.0	112	<2	<30	<50	480	<5	<1	3	11	20	16	<100	<2
22056	TIT-3	<2	2	<1.0	<10	367	<1	<10	<2	0.13	<1	<1	2.0	79	<2	<30	<50	200	<5	5	4	2	<5	53	<100	<2
22057	TIT-3	<2	20	<1.0	<10	159	3	<10	13	5.60	<1	<1	1.5	76	20	<30	<50	580	<5	3	3	2	<5	29	<100	<2

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

APPENDIX B-11

PROJECT 266
ANALYTICAL RESULTS

SAMPLE NUMBER	DRILL HOLE	Cd	Zn	Pb	Cu	Ni	Pt	Pd	Au	Cr	Co	V	TiO_2	MgO	Fe_2O_3	MnO	SiO_2	Al_2O_3	P_2O_5	Li	Na_2O	K_2O	Rb	Sr	CaO	Be
		ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	%	ppm
22046	TIT-3	<1	84	4	253	95	<10	5	<1	197	62	343	1.18	4.01	11.17	0.25	43.52	16.87	0.17	32	1.32	0.52	10	220	13.59	<1
22047	TIT-3	<1	86	60	233	79	<10	4	<1	151	57	306	0.98	3.79	11.91	0.24	45.56	15.21	0.12	30	1.10	0.24	11	246	14.71	<1
22048	TIT-3	2	165	12	61	81	<10	8	<1	94	65	302	0.94	6.25	16.06	0.30	47.02	13.35	0.09	70	0.60	2.80	52	53	5.74	<1
22049	TIT-3	<1	95	8	252	84	<10	<2	<1	140	60	282	0.97	4.96	12.94	0.22	46.15	14.41	0.10	26	0.75	<0.10	9	274	14.97	<1
22050	TIT-3	<1	100	28	160	165	<10	<2	<1	364	51	174	0.77	6.96	9.90	0.22	40.87	12.26	0.29	32	2.48	0.11	4	307	12.54	<1
22051	TIT-3	9	2188	880	90	<10	<10	4	<1	91	7	25	0.05	1.99	23.97	0.69	63.91	0.62	0.02	20	0.15	0.11	8	34	6.36	<1
22060	TIT-3	1	43	48	47	75	<10	<2	<1	283	23	53	0.22	1.98	19.40	0.28	51.89	12.10	0.07	22	3.51	0.77	20	188	5.44	<1
22052	TIT-3	1	248	72	153	<10	<10	<2	<1	42	<2	15	0.08	2.71	12.46	0.85	17.43	4.33	0.02	31	0.26	<0.10	12	205	34.32	<1
22053	TIT-3	<1	235	54	152	<10	<10	<2	<1	43	<2	9	0.07	2.61	11.68	0.85	16.51	4.16	<0.02	30	0.27	<0.10	13	212	35.78	<1
22054	TIT-3	<1	66	34	140	33	<10	<2	<1	81	16	60	0.35	2.57	4.27	0.10	59.51	15.59	0.32	24	6.29	2.39	28	405	4.82	2
22055	TIT-3	<1	34	44	112	24	<10	<2	<1	18	2	6	0.05	6.40	13.36	0.56	14.21	2.60	0.03	31	0.68	<0.10	12	251	32.20	<1
22056	TIT-3	<1	51	24	79	89	<10	<2	<1	181	19	51	0.27	1.78	4.58	0.09	64.31	15.70	0.09	17	2.98	1.88	22	221	5.55	<1
22057	TIT-3	1	29	60	76	62	<10	13	3	110	28	44	0.17	2.20	32.76	0.50	41.41	8.85	0.05	30	2.70	0.48	18	150	6.17	<1

ppm = PARTS PER MILLION ppb = PARTS PER BILLION % = PERCENT

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LOGGER PROFILES

These profiles were created using the Logger Program (version 2) by RockWare Inc. The set included here covers just 1 drill hole, BA-4. The profiles for the rest of the drill holes sampled for Project 255-1 are available as open file material from the DNR Minerals Division, Hibbing, MN.

The first four pages are an index of the patterns used in the Lithology, Sulfide Mineralization, and Alteration Columns. The cover sheet of the profiles is then a small scale logger profile, without lithologic descriptions, of the entire hole. Areas of interest can then be examined at on a larger scale in the remaining pages.

The scales of the chemical analyses histograms are consistant throughout all of the drill hole profiles, with the upper limit determined from the largest analysis value of that particular element. The upper limits are as follows:

SiO2	72.85 %
Al2O3	27.59 %
CaO	19.44 %
MgO	29.66 %
Na2O	6.06 %
K2O	11.55 %
Fe2O3	49.00 %
TiO2	28.72 %
P2O5	3.90 %
Cr	12,186 ppm
V	2,786 ppm
Au	318 ppb
S	52.96 %
Cl	840 ppm
Ni	10,000 ppm
Cu	10,000 ppm
Pt	473 ppb
Pd	887 ppb
Ag	6.8 ppm
Percent Oxides	100 %

INDEX OF PATTERNS

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(5) : OL-B-ANORTHOSITE

(6) : PEGMATOIDAL ANORTHOSITE

(7) : TROCTOLITES

(8) : ANORTHOSITIC TROCTOLITE

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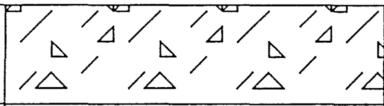
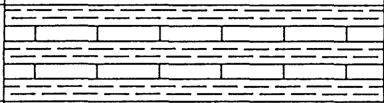
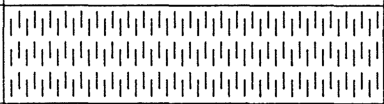
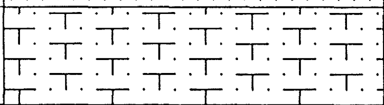
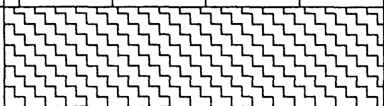
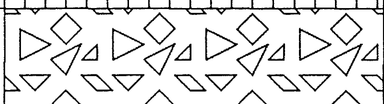
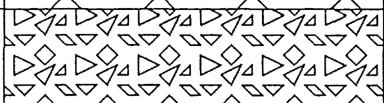
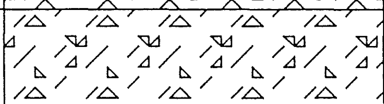
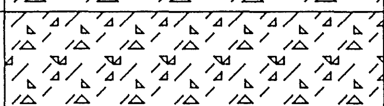
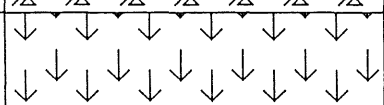
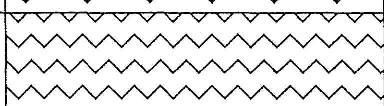
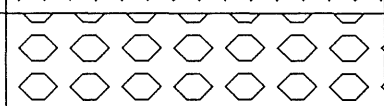
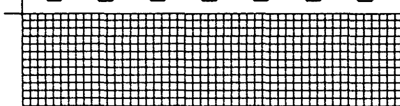
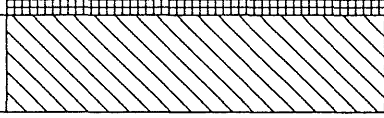
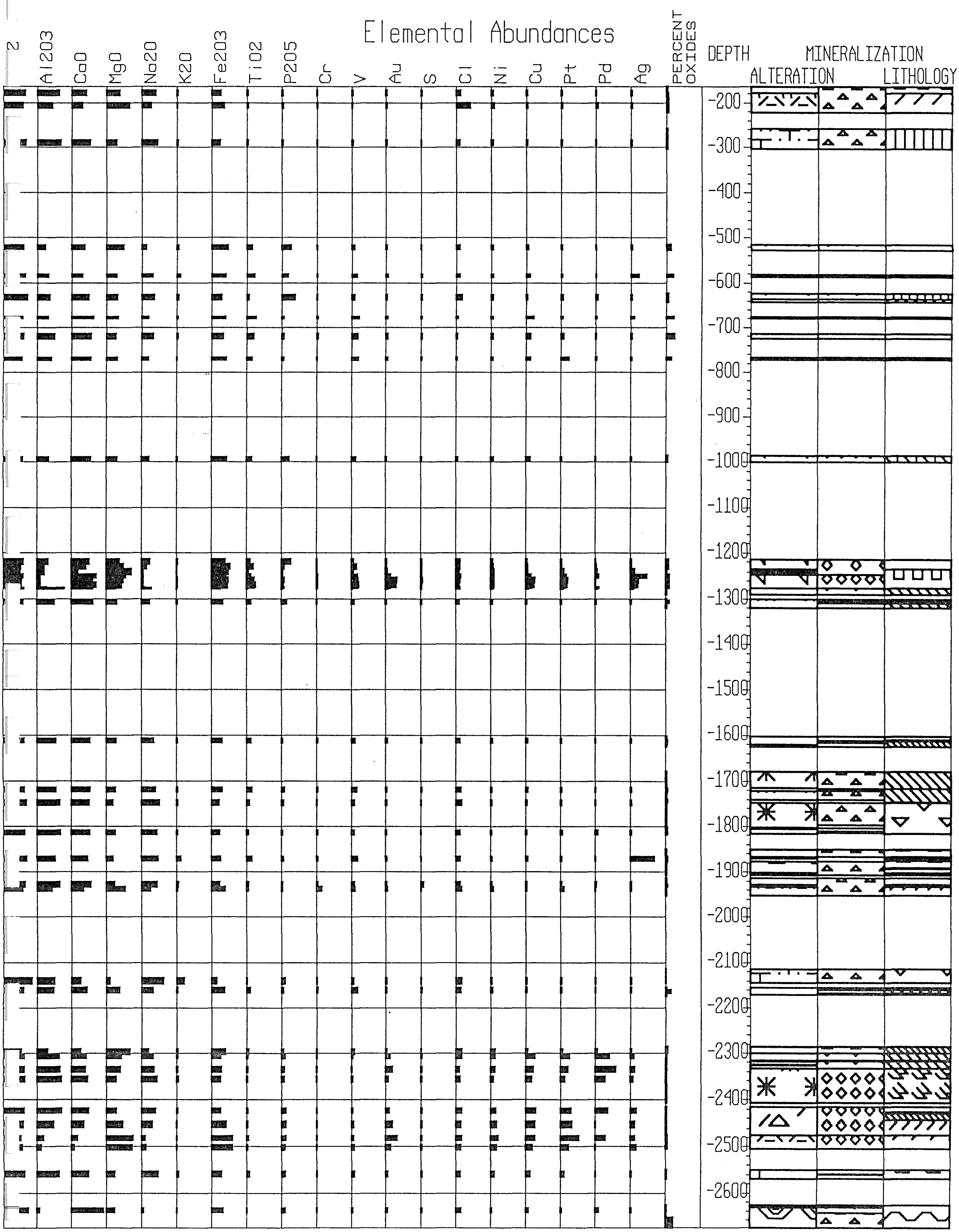
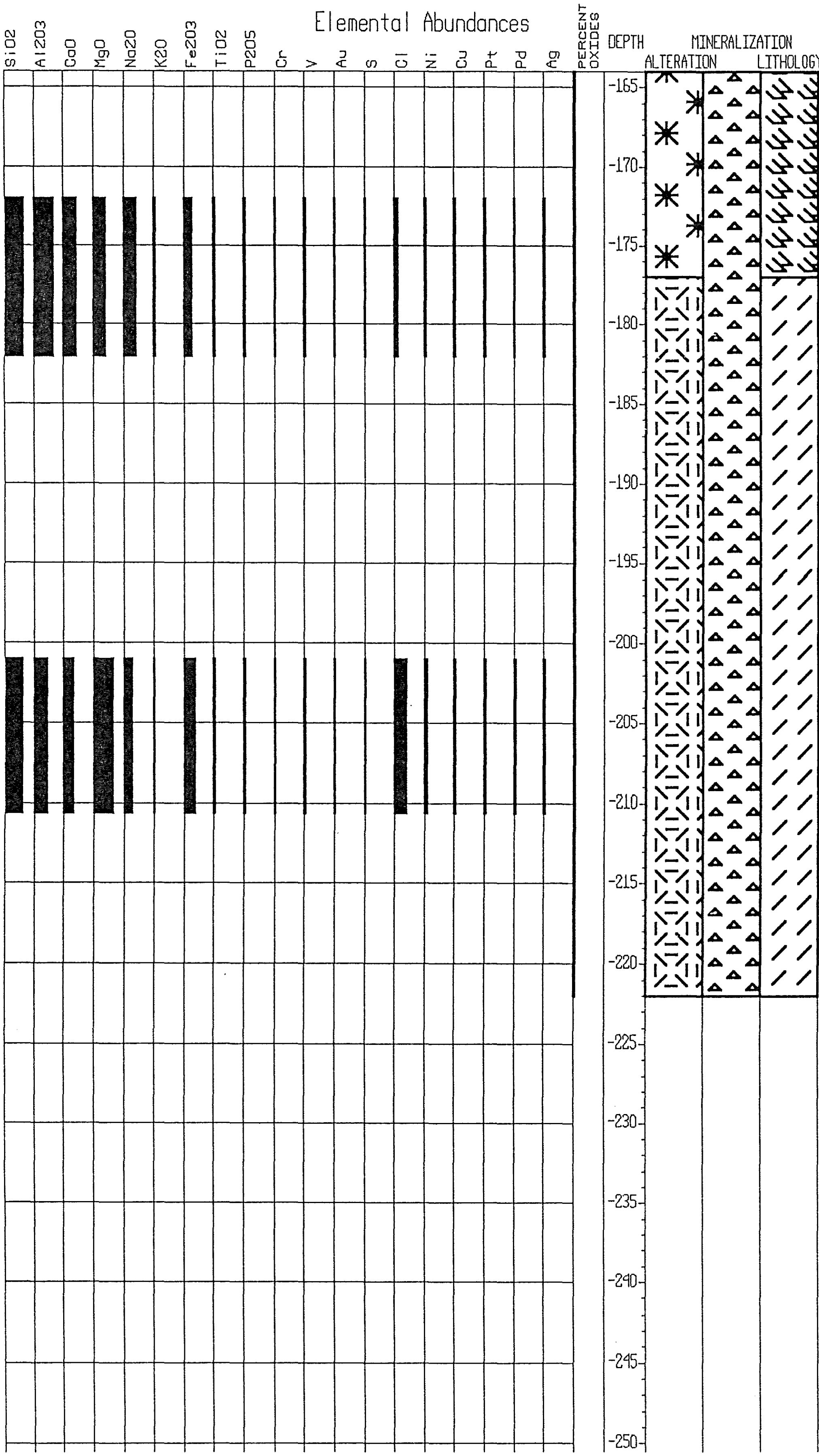
	(60) : MIXED ASPECTS
	(61) : LAYERING
	(62) : LAMINATION / FOLIATION
	(63) : PEGMATOIDAL
	(64) : HORNFELSIC
	(65) : CATACLASTIC
	(66) : BRECCEOUS
	(67) : MYLONITIC
	(68) : FAULTS
	(69) : SLICKENSIDES
	(70) : JOINTS
	(71) : VUGS
	(72) : FGR-NORITE
	(73) : OL-B ANORTHOSITIC GABBRO



Elemental Abundances
Al2O3
CaO
MgO
Na2O
K2O
Fe2O3
TiO2
P2O5
Cr
V
Au
S
Cl
Ni
Cu
Pt
Pd
Ag
PERCENT OXIDES
DEPTH
MINERALIZATION
ALTERATION
LITHOLOGY
-200
-300
-400
-500
-600
-700
-800
-900
-1000
-1100
-1200
-1300
-1400
-1500
-1600
-1700
-1800
-1900
-2000
-2100
-2200
-2300
-2400
-2500
-2600

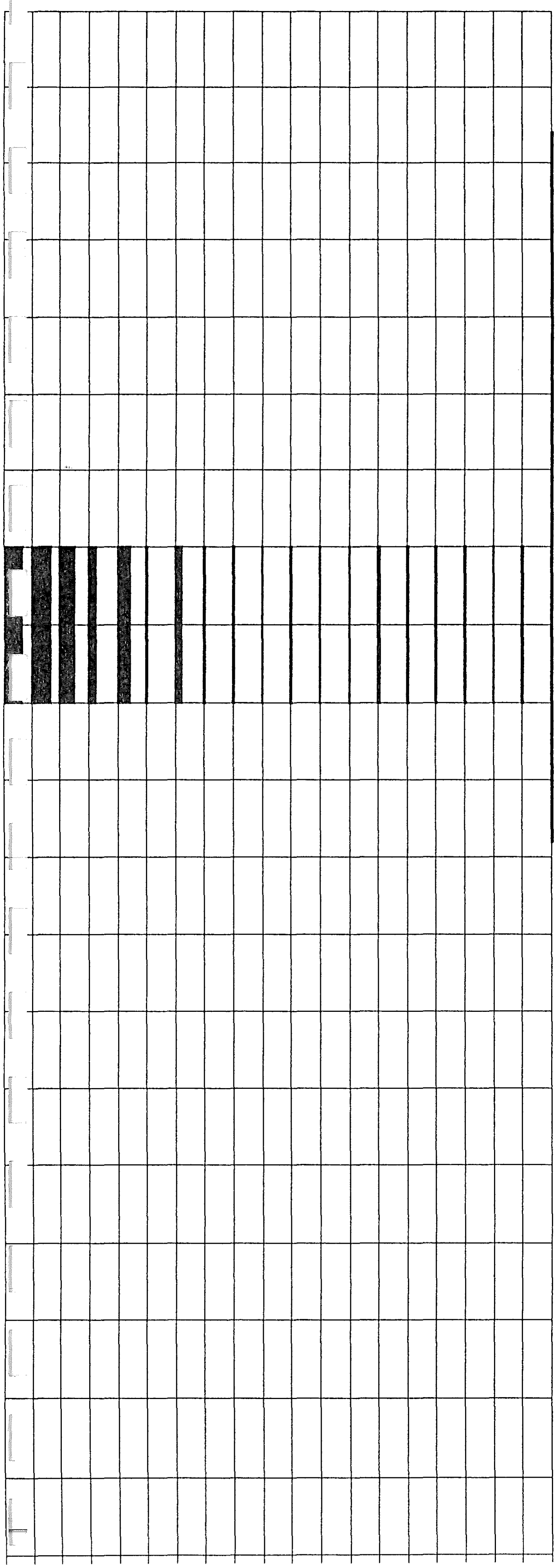
DDH BA-4 PART 1

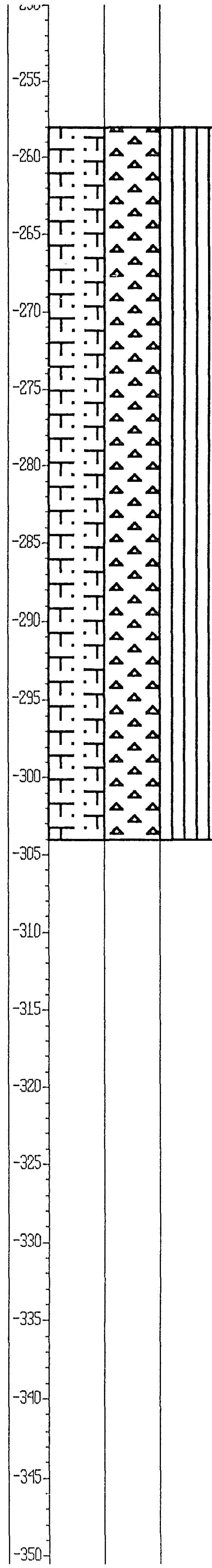


DESCRIPTIONS/COMMENTS

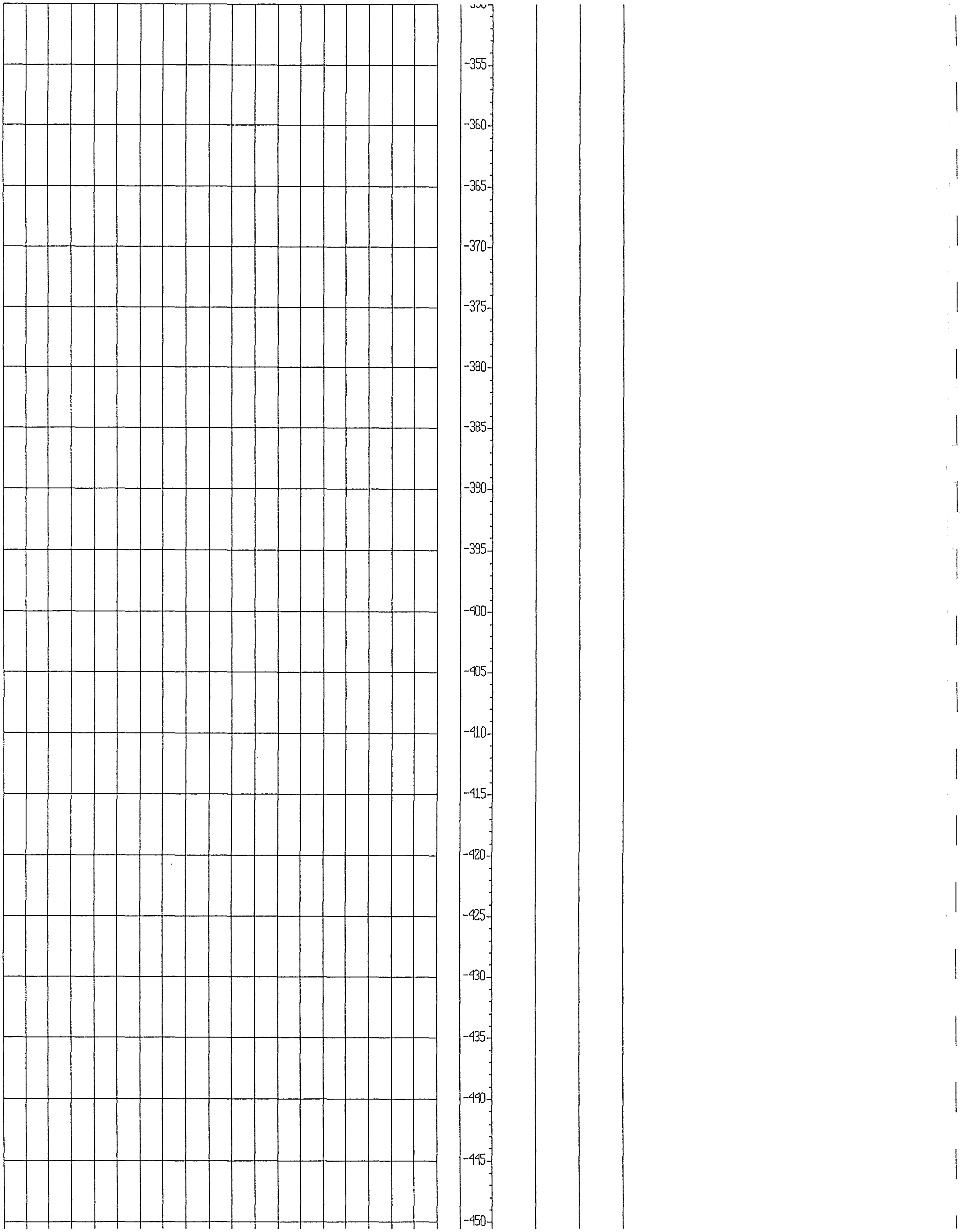
Lt-grn-grey, cgr, anortc-Troct. Locly pegmtdl.

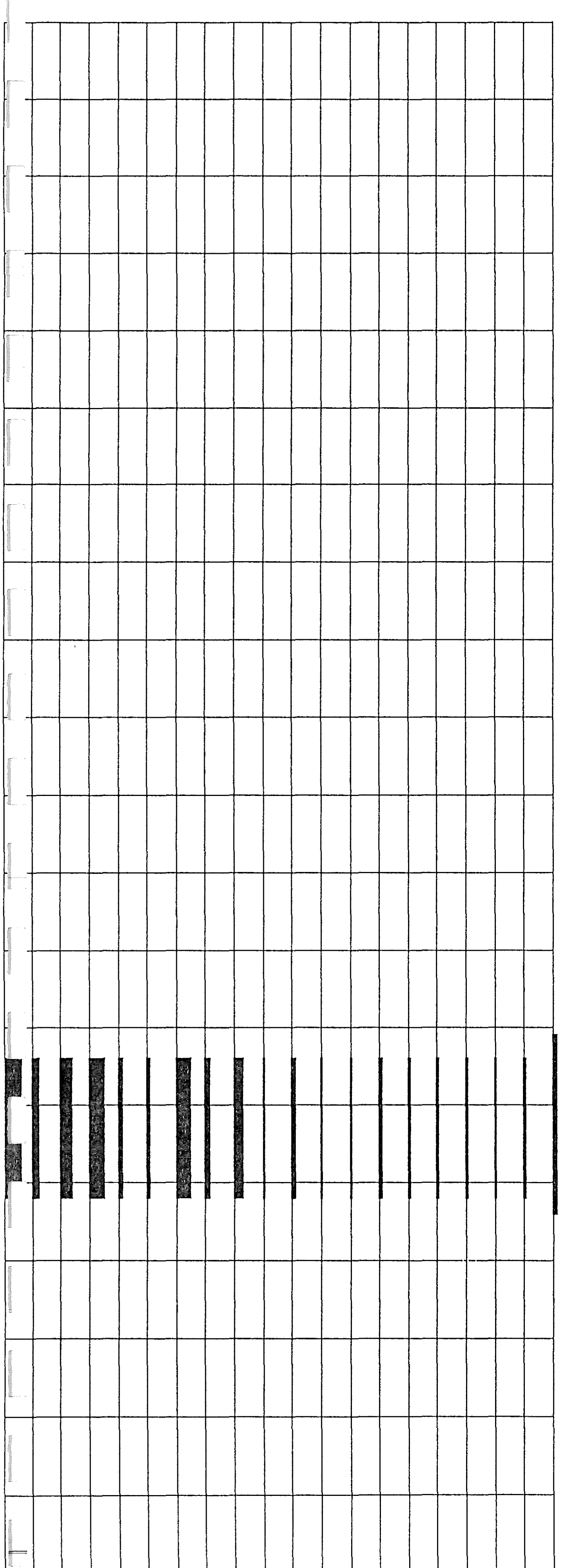
Dark green, cgr, serpent-Picr. w/ a few pods lenses of Anorth. The core surface is locally covered w/ rusty-red-colored drops.



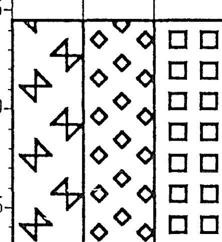


Grey, pegmtdl, anortc-ol-Gabb pyxs occur as very large discrete grns and also as minor oiks, ol as large 5-20mm aggregates. Unite quite inhomo w/ sections of pegmtc (Anorth troct and Gabbr).


-355
-360
-365
-370
-375
-380
-385
-390
-395
-400
-405
-410
-415
-420
-425
-430
-435
-440
-445
-450

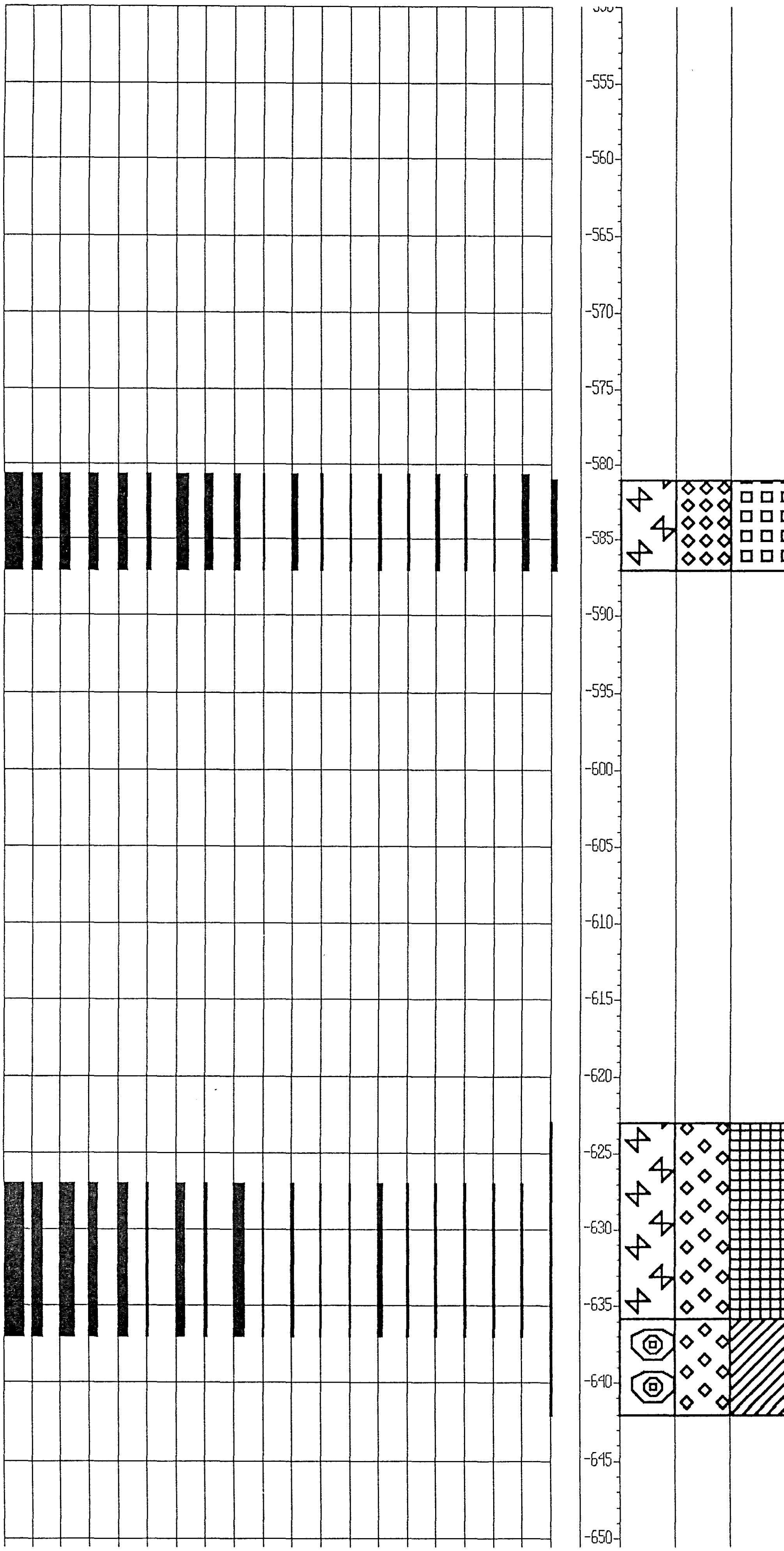


-455
-460
-465
-470
-475
-480
-485
-490
-495
-500
-505
-510
-515



Dk-grey to black, cgr-pegmtdl-ox-rich, cu-sul-b, uralitized ol-gabb. Minor veins of vug-qtz-plag-bio-amph Monzonite. Suls of cp=po as irregular grains assoc. w/ox rich zones and large un-uralitized pyxs.

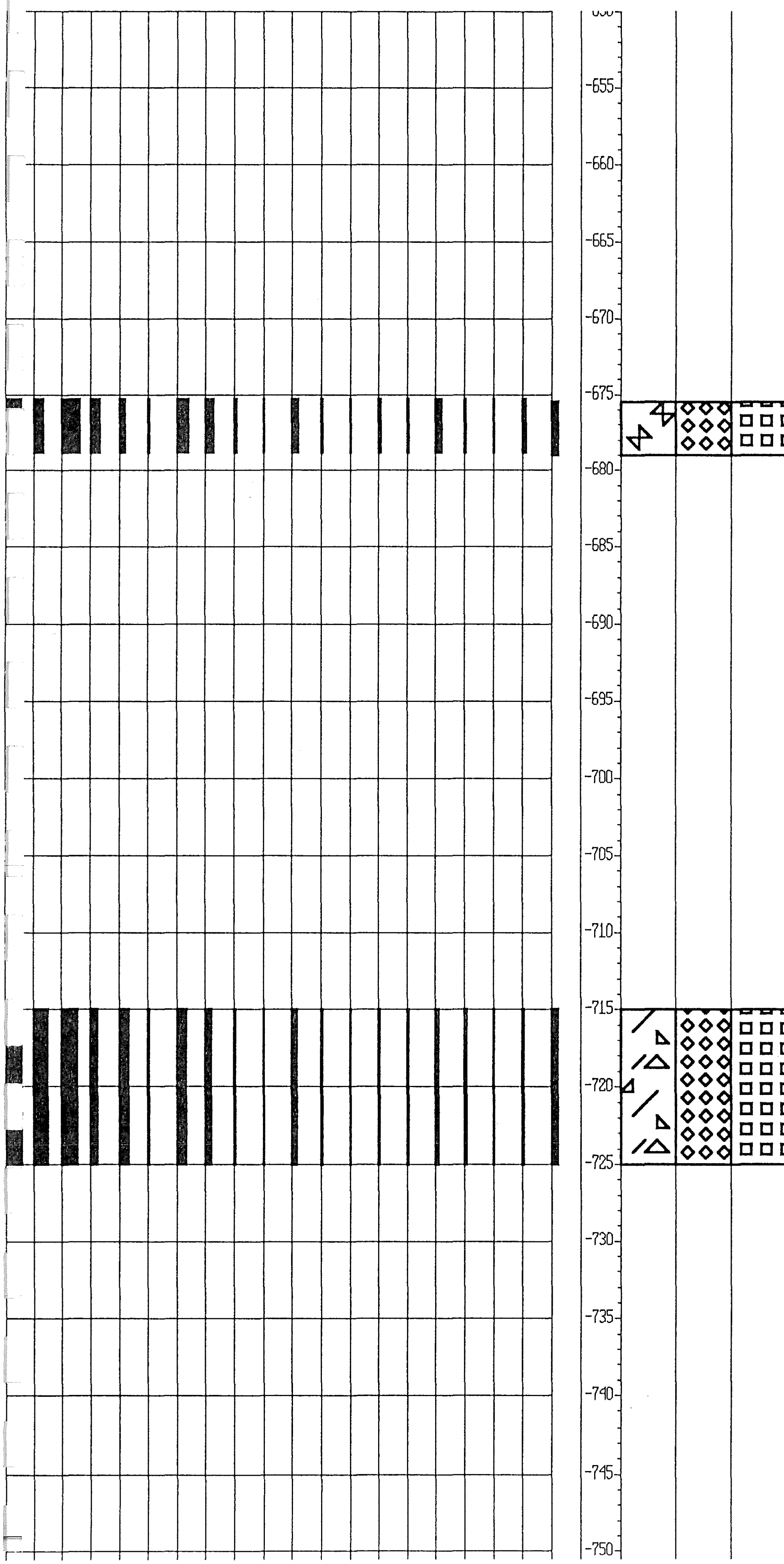
-520
-525
-530
-535
-540
-545
-550



Dk-grey, cgr, oxide-rich, cu-sul-b, ol-Gabb. Same as (515.5
527').

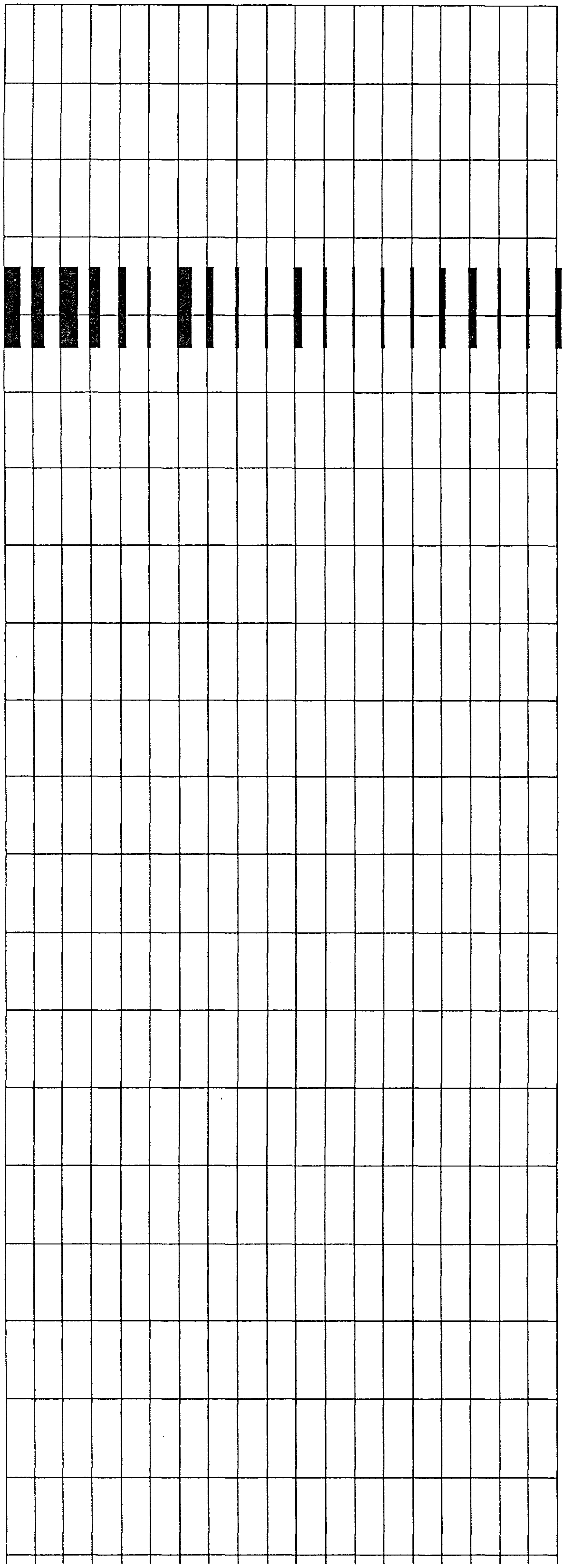
Grn-grey, cgr, bio-qtz-plag-hbl monzonite. Section is highly altered w/ bleached plagioclase and uralitized pyxs and hbl grns Gabb. Possibly a highly altered Gabb.

Grey, mgr-cgr, ox-rich, cu-sul-b, ol-b-Gabb. Suls of po>cp assoc. w/ox-rich zones. Oxs of both mgt and ilm. Alteratio
minor to nil.

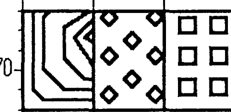


Cgr, ox-rich gab and mgr troct. Suls occur in Gabbr as dissem grns and large irregular grns. Cp>po. Oxides of mgt & ilm occur as 1-2mm blebs and also as very large skeletal xls.

Very inhomog mixture of cgr-Troct; fgr-mgr ox-rich norite (?); and cgr to pegmtdl ox and sul-rich Gabb. Suls have a noticeable assoc. w/ ox-rich zones. Suls occur as irregular interstitial grns of cp>po.



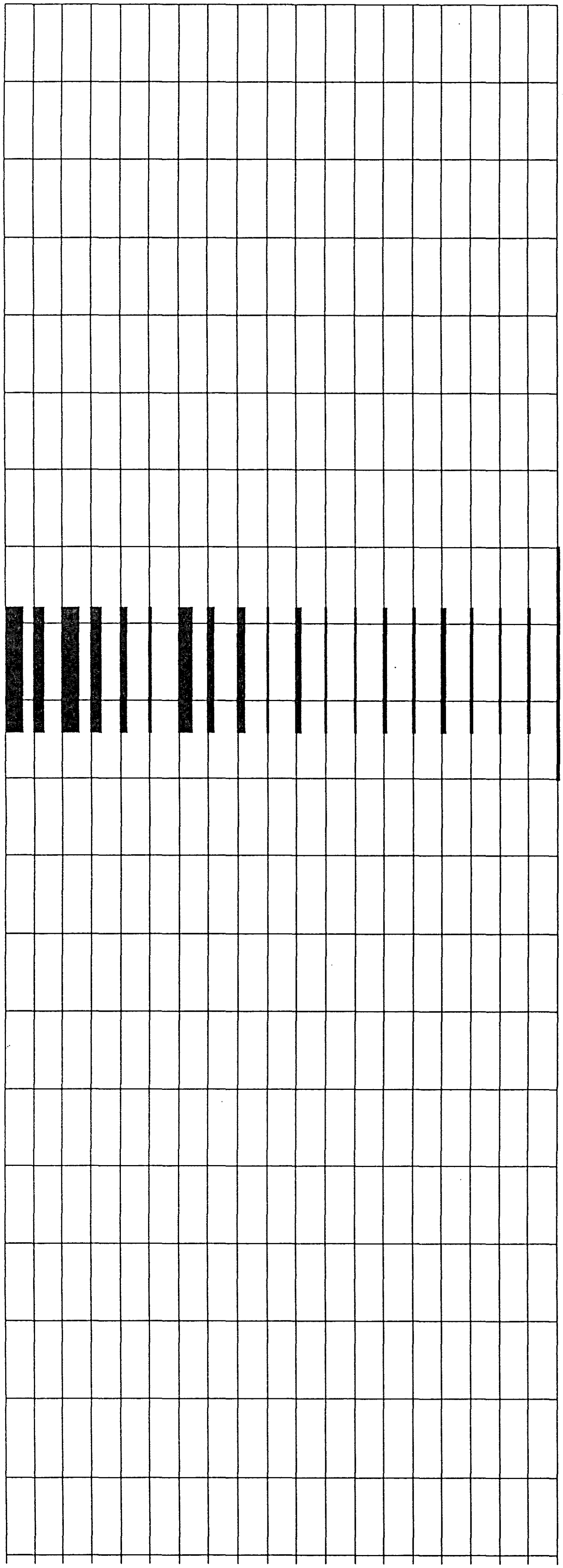
-755-
-760-
-765-



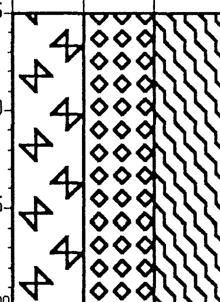
Dark-grey, cgr to pegmtdl oxide-rich, ol Gabb. Suls of cp=po occur along pyx cleavage planes and as interstitial grns assoc w/ ox-rich zones.

-770-
-775-
-780-
-785-
-790-
-795-
-800-
-805-
-810-
-815-
-820-
-825-
-830-
-835-
-840-
-845-
-850-

-855
-860
-865
-870
-875
-880
-885
-890
-895
-900
-905
-910
-915
-920
-925
-930
-935
-940
-945
-950

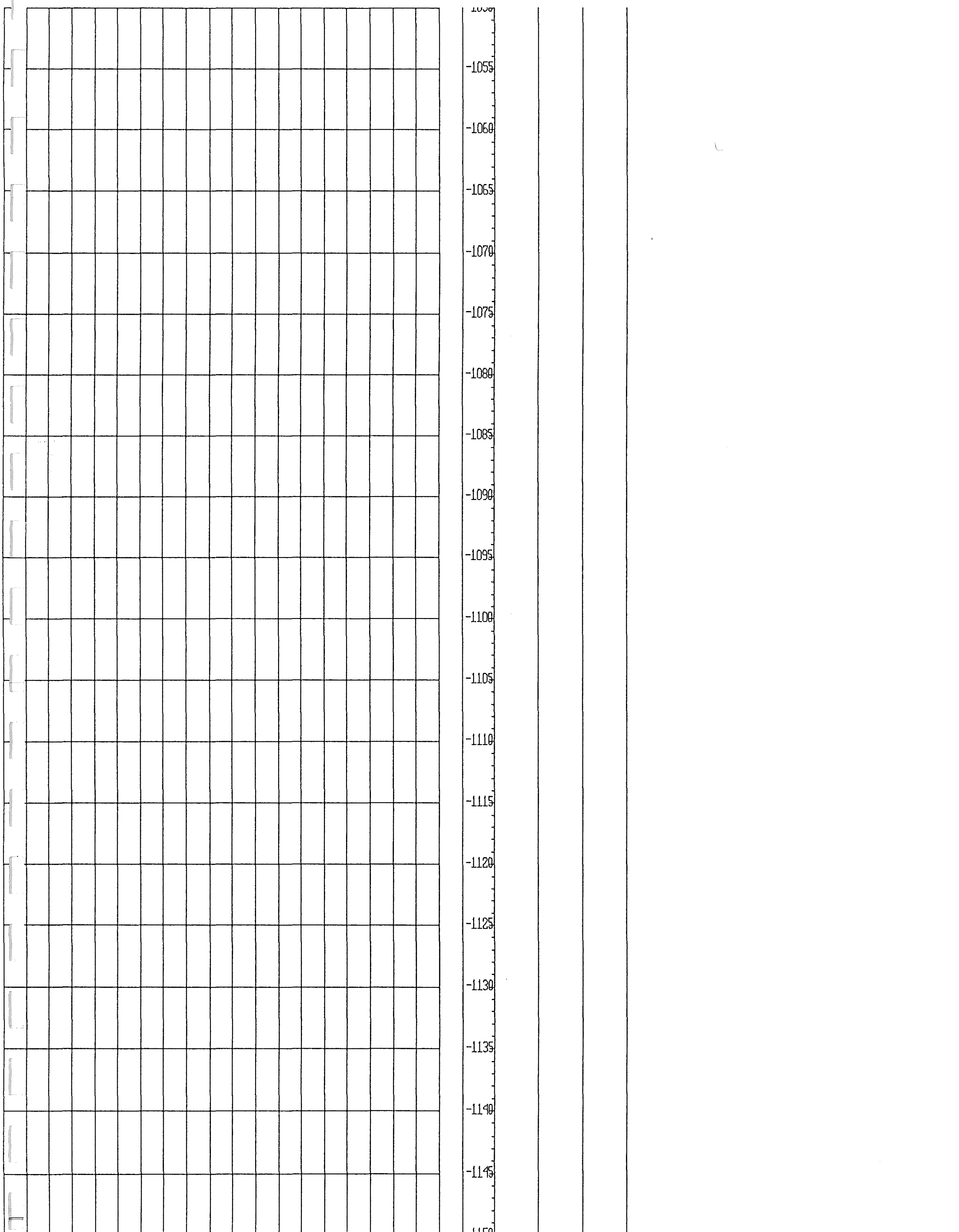


-955
-960
-965
-970
-975
-980
-985



Black, cgr, oxide and cu-sul-rich, ol-mela-Gabb. Suls of large (5-20mm) irregular grns of cp and po. Locly grades into ol-pyxt; oxs of mgt. Very minor veins of granite.

-990
-995
-1000
-1005
-1010
-1015
-1020
-1025
-1030
-1035
-1040
-1045
-1050


-1055
-1060
-1065
-1070
-1075
-1080
-1085
-1090
-1095
-1100
-1105
-1110
-1115
-1120
-1125
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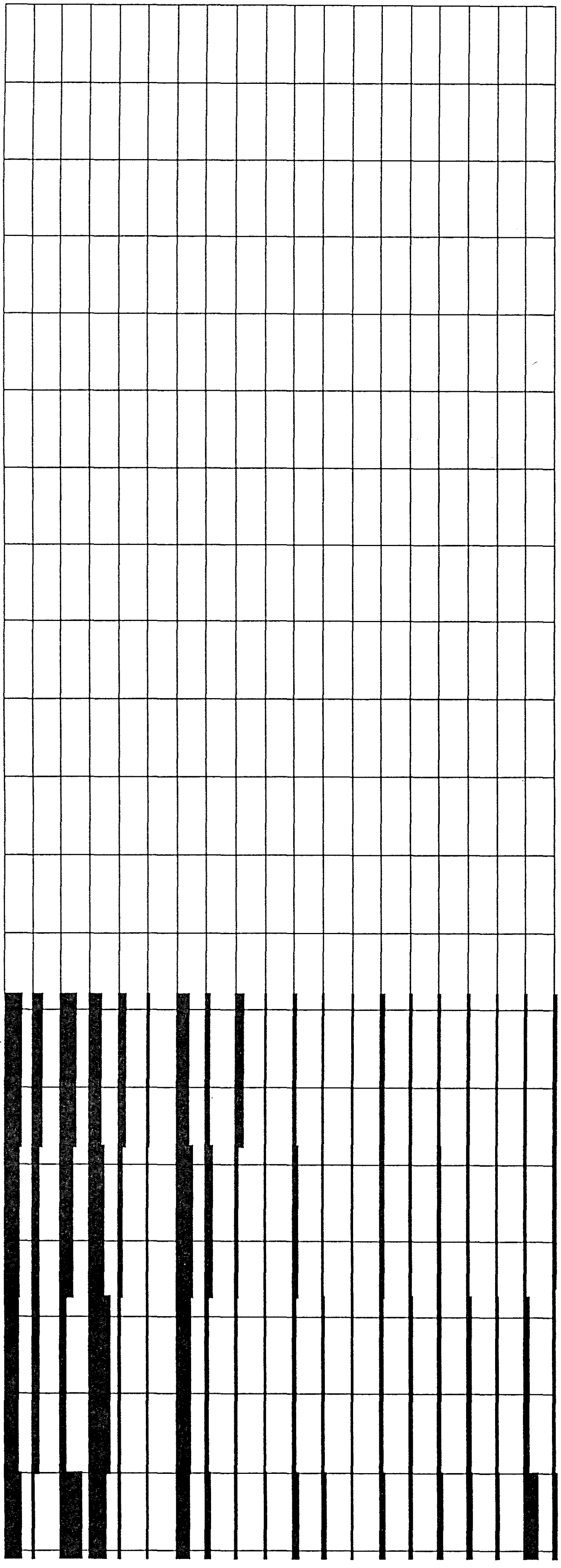
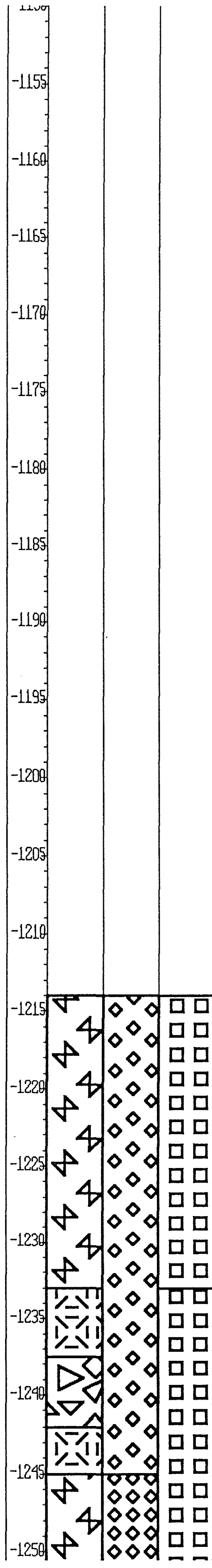
-1140
-1145
-1150

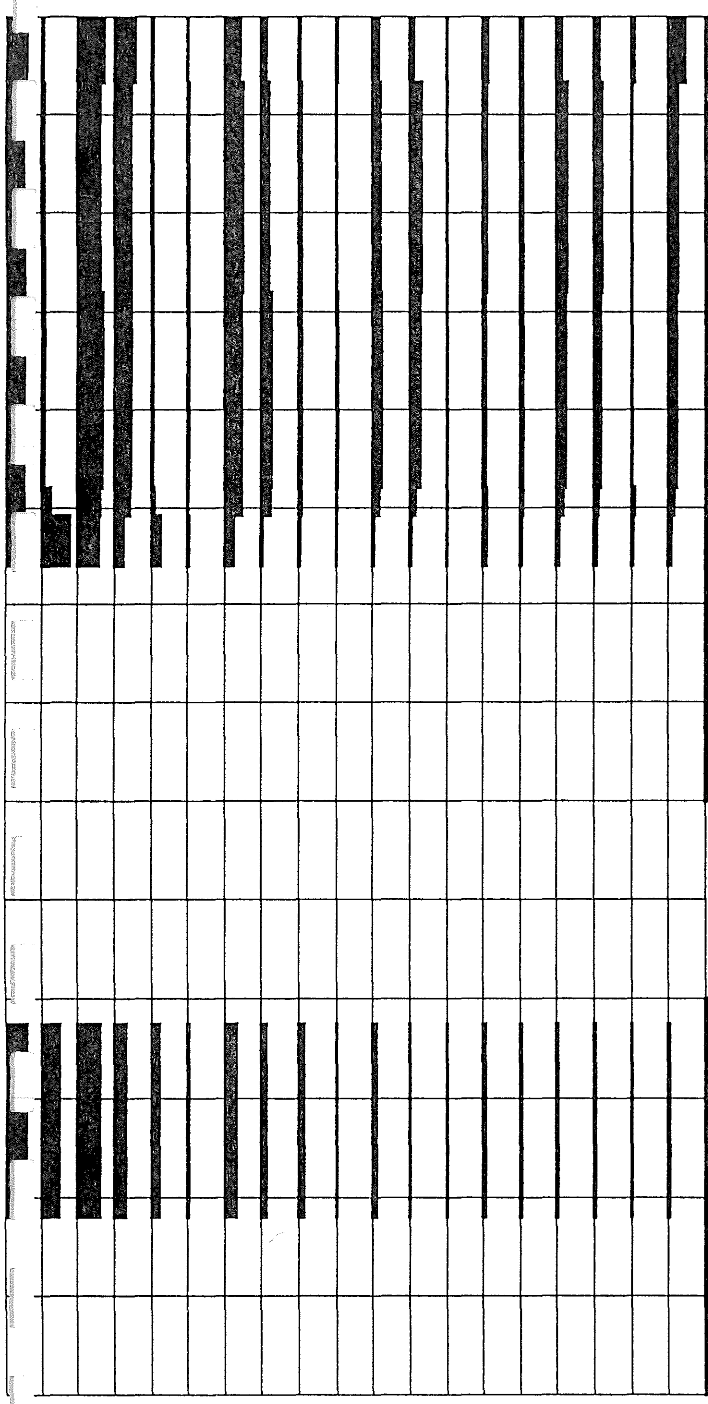


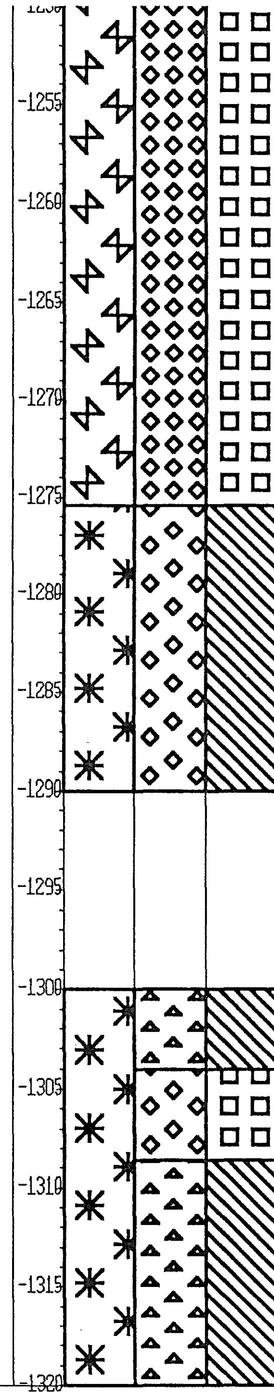


Dark-grn-black, mgr-cgr, feldspathic Pyxt to ol-pyxt. Section cut by a few thick feldspathic veins. Rock quite rich in suls and oxs. Suls of cp=po and occur as irregular interstitial grns. Oxs of both ilm and mgt.

Grn-black, serpent ultra mafic. Very thin 1-2mm. Mgt lenses follow foliation locly. From 1237.5 to 1242 the core is highly fractured and broken into small pieces.

Black, mgr to cgr, Pyxt to ol Pyxt. Whole section quite rich in cu-suls-(2-4%) and locly oxs-rich. Suls of cp=po an occur as very irregular interstitial grns. Oxs of both ilm and mgt.





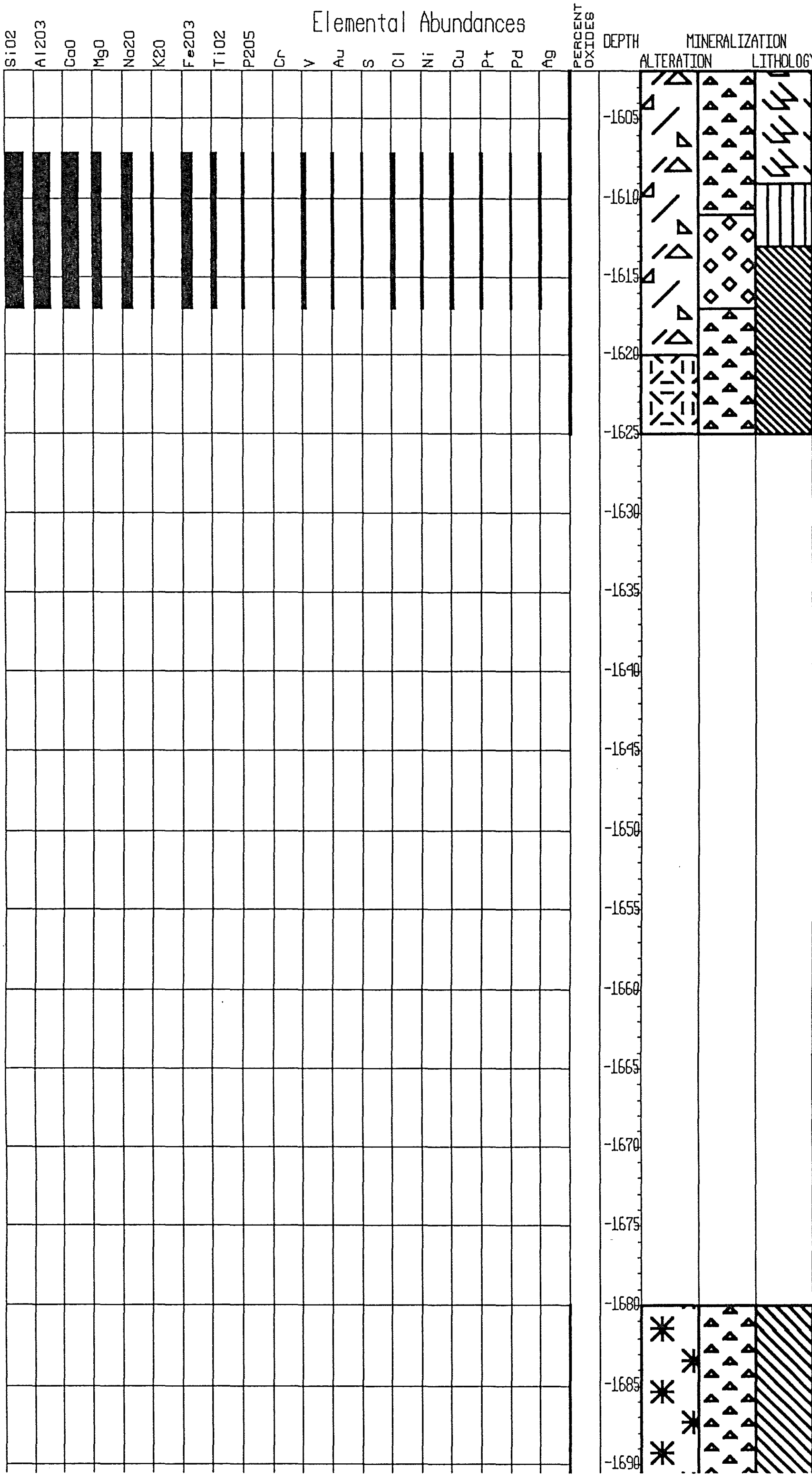
Lt-grey, cgr, homog Troct. Contact very sharp w/ Pyxt above. Section has 1-2% suls of cp as dissem grs and small 1-3mm interstitial grns.

Grey, mottled, cgr Troct no suls. Unit has up to 5% pyx.

Dark grey, cgr, cu-sul-b, ox-rich, ol mela Gabb.Pyxs occur as large oiks up to 4cm. Suls of po>cp and occur as 1-4mm interstitial grns.

Grey, mottled, cgr, Troct suls not noted at all. The unit has 1-5% pyx.

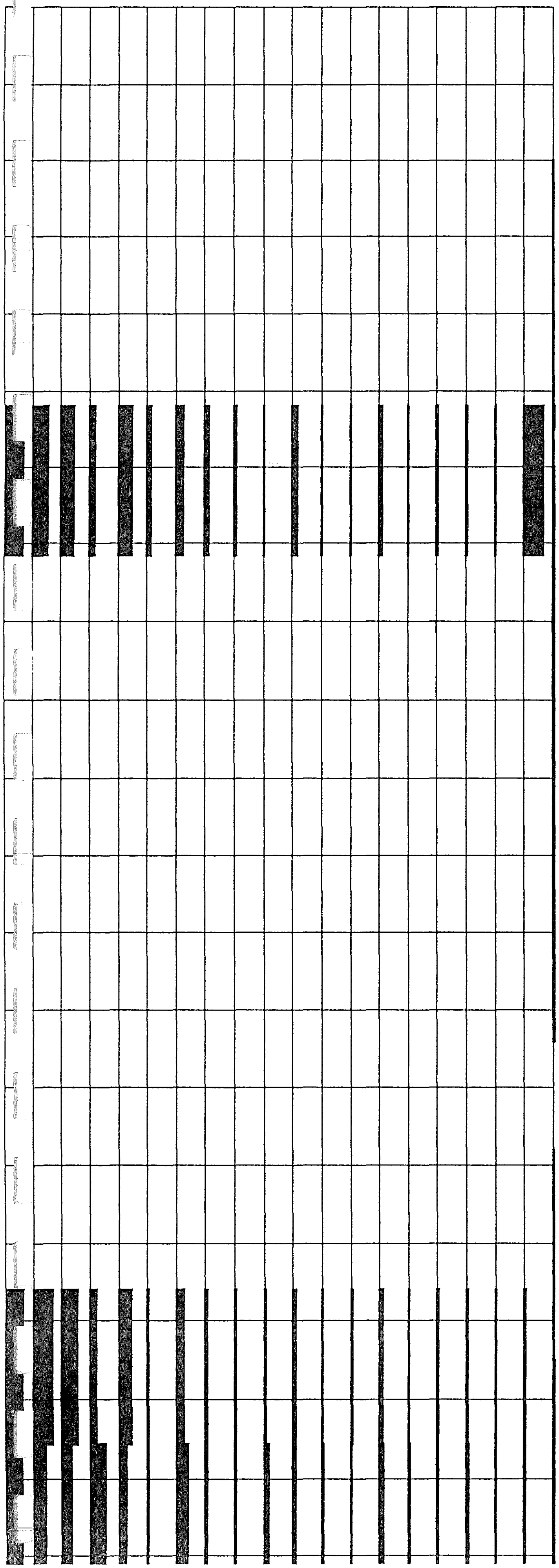
DDH BA-4 PART 2

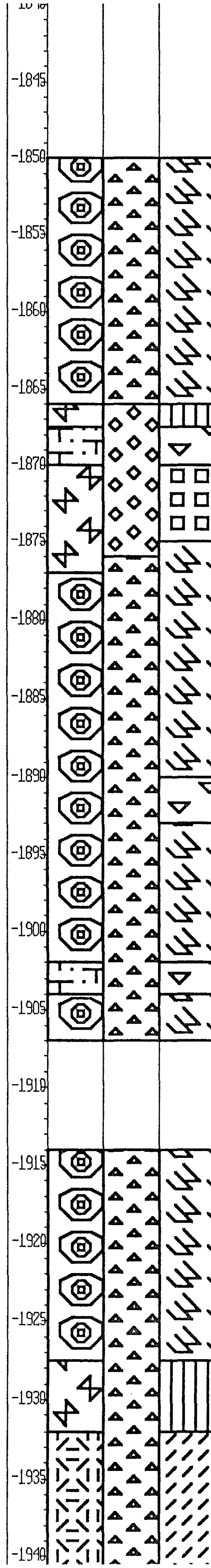


DESCRIPTIONS/COMMENTS

Mixed zone with cgr-anortc-Troct. and, fgr-mgr, ox-rich cu-sul-b, Norite, and minor cgr, ox-rich, ol-Gabb. Minor serpentn at 1620-1624.'

Lt-grey, cgr, Troct. Ox-rich and cu-sul-b mgr-pegmtdl at (1690-1692', 1715.5-1722', 1740-1747', 1797', 1799-1804', and 1810'.5-1812'). Minor biot-granite veins locally assoc w/ox-rich zones. Up to 2% suls in ox-rich zones.



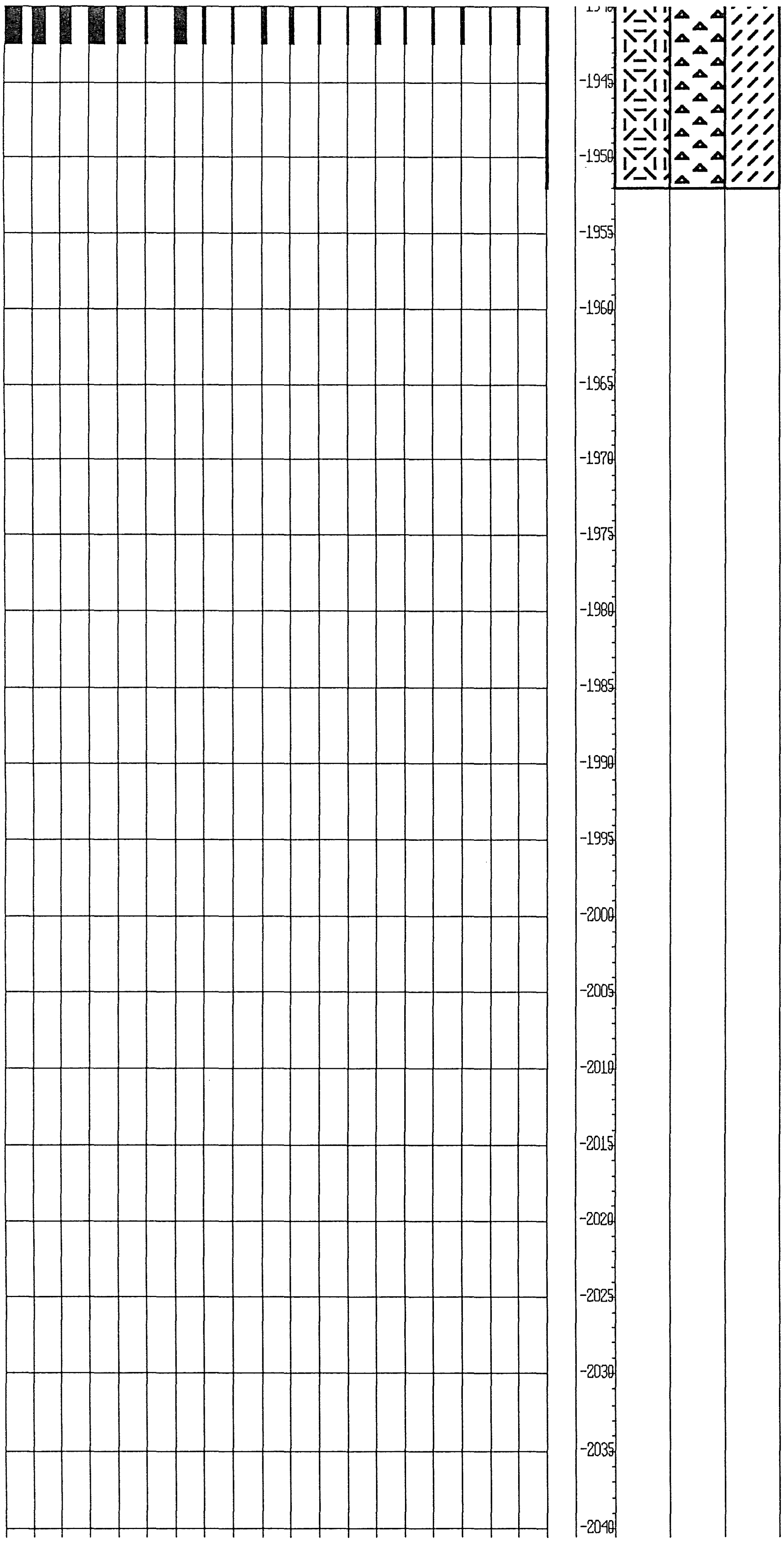


Lt-grey, cgr, trocc-Anorth to anortc-ol-Gabb. Section cut by many pegmtdl-bio-Granite veins w/ uralitization common around Granites. Unit locally ox-rich and cu-sul-b. Gabb assoc w/ the granites. Suls of cp=po up to 2% in ox-rich portions.

Lt-grey, cgr to pegmtdl, anortc-ol-Gabb. Locly has large 3-4cm skeletel ilm grns.

Dk-grey, cgr, ol-Gabb. Locally moderately serpent. Moderate uralitization of pyxs (2-5% oxs of ilm and mgt).

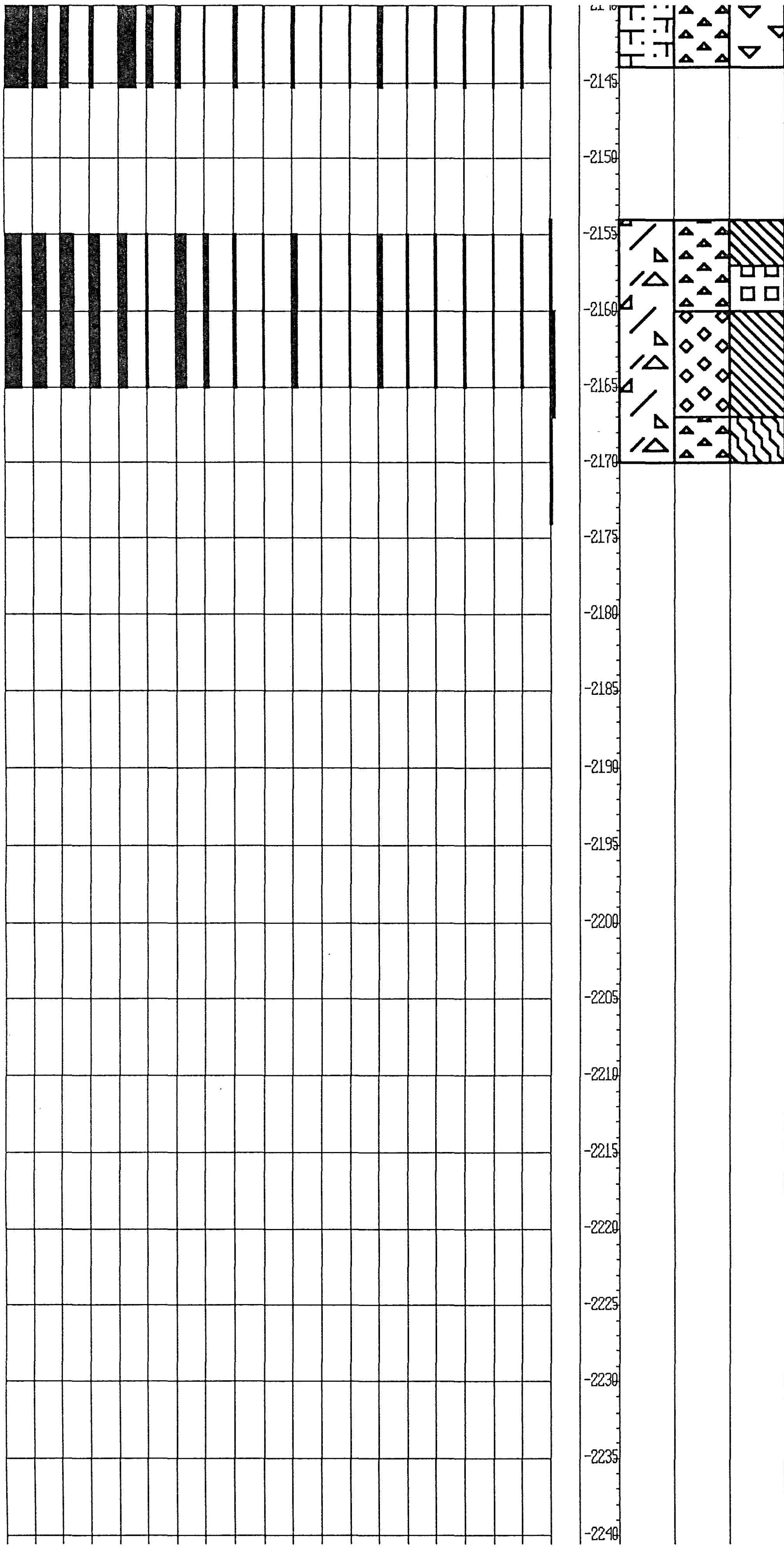
Dark-grn, mgr, serpent pyx-Troct or pyx-Picrt. Original composition difficult to determine due to moderately-high serpentn. Rusty red drops on core from 1940-1947.


-1945
-1950
-1955
-1960
-1965
-1970
-1975
-1980
-1985
-1990
-1995
-2000
-2005
-2010
-2015
-2020
-2025
-2030
-2035
-2040

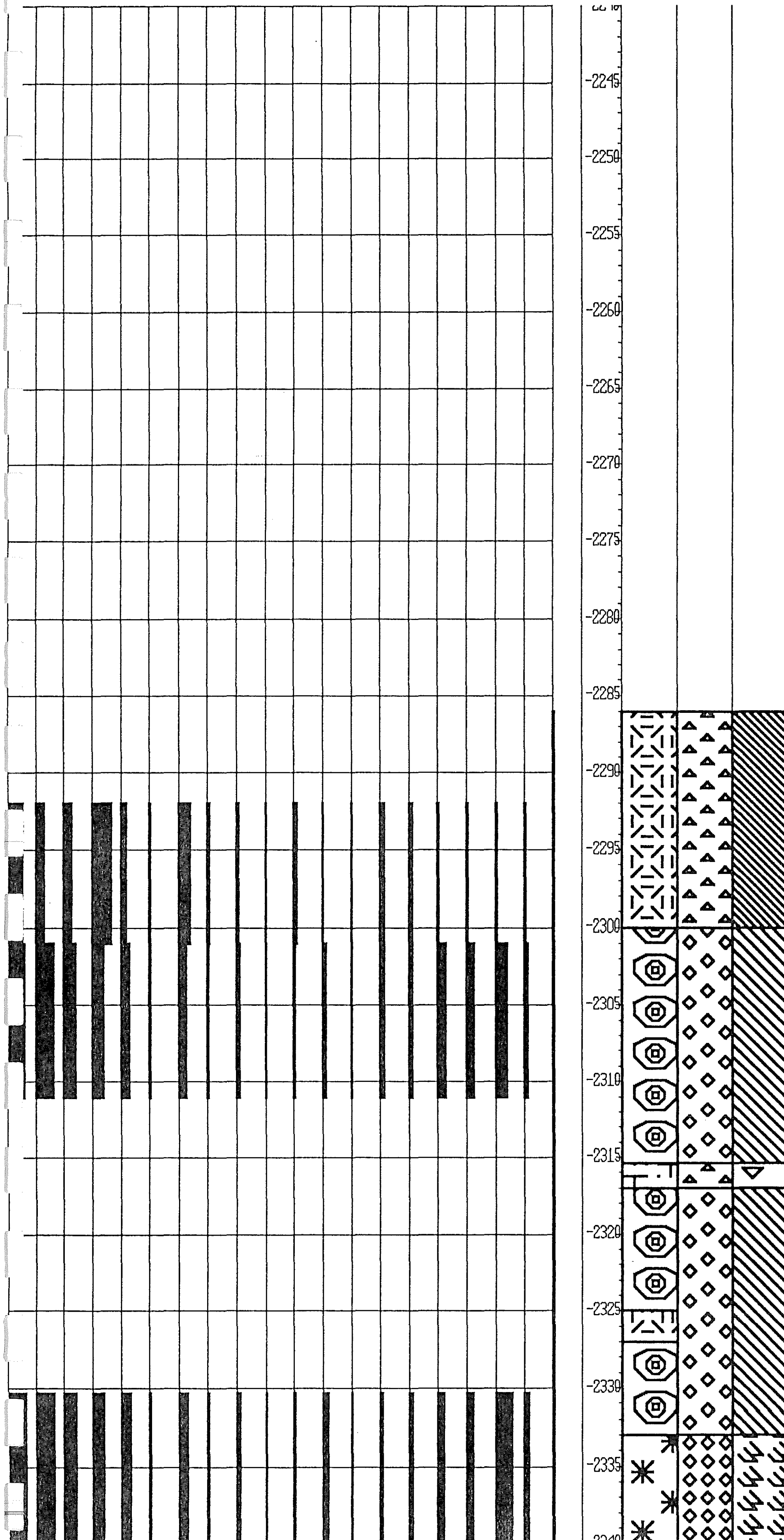
-2045
-2050
-2055
-2060
-2065
-2070
-2075
-2080
-2085
-2090
-2095
-2100
-2105
-2110
-2115

White, pegmtdl, biot-plag-Granite or Tonalite. Qtz present as myrme-kitic intergrowths in feldspar. Moderate alteration of bio to chlorite. Upper ctc sharp but lwr. ctc. gradational.

-2120
-2125
-2130
-2135
-2140



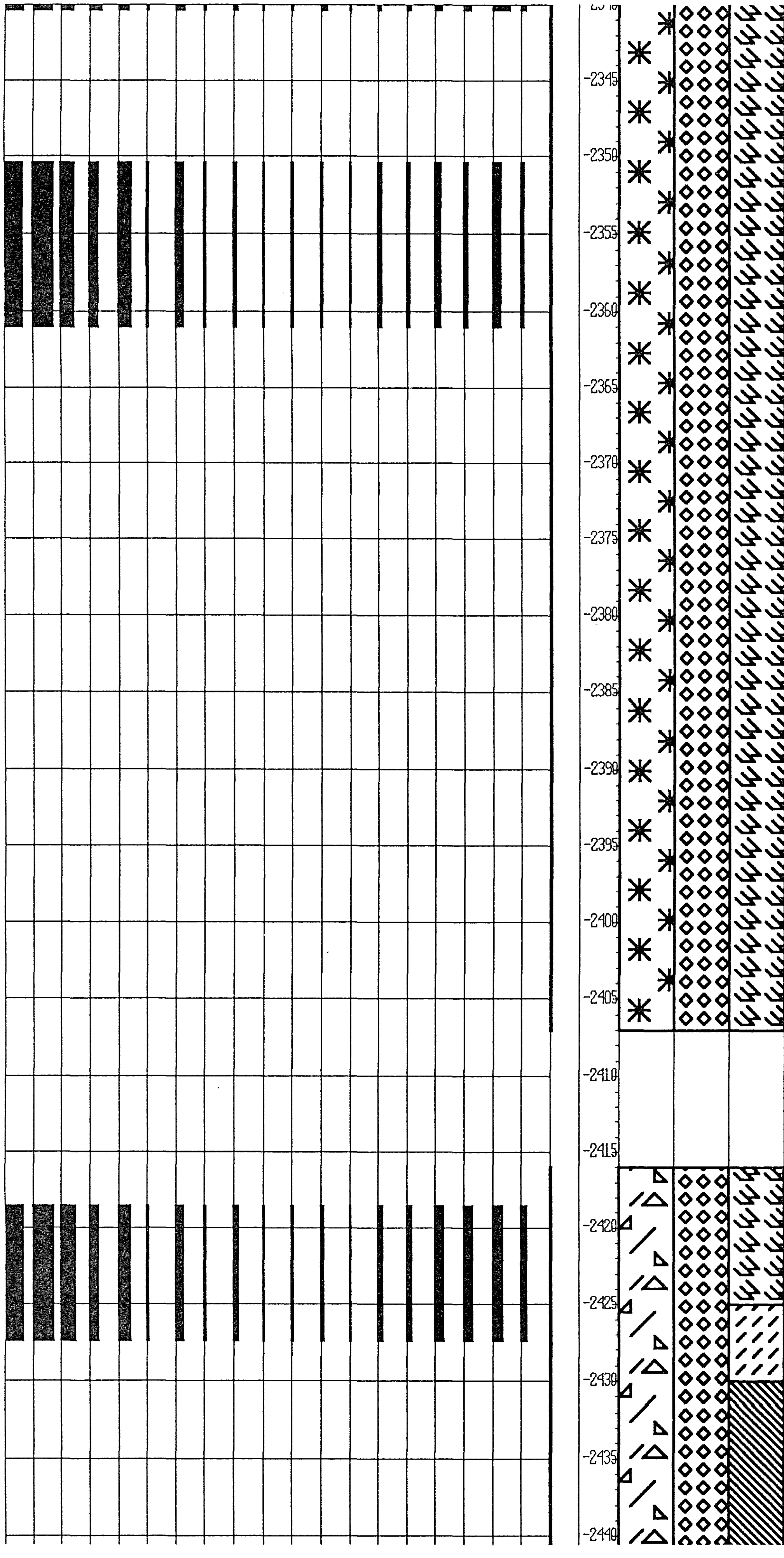
Mixed zone of cgr Troct. and cgr, ox-rich, cu-sul-b, ol-b-mela-Gabb. Section very inhomog. oxs of mostly mgt up to 15% in mela-Gabb. Suls of po>cp as dissem grns.



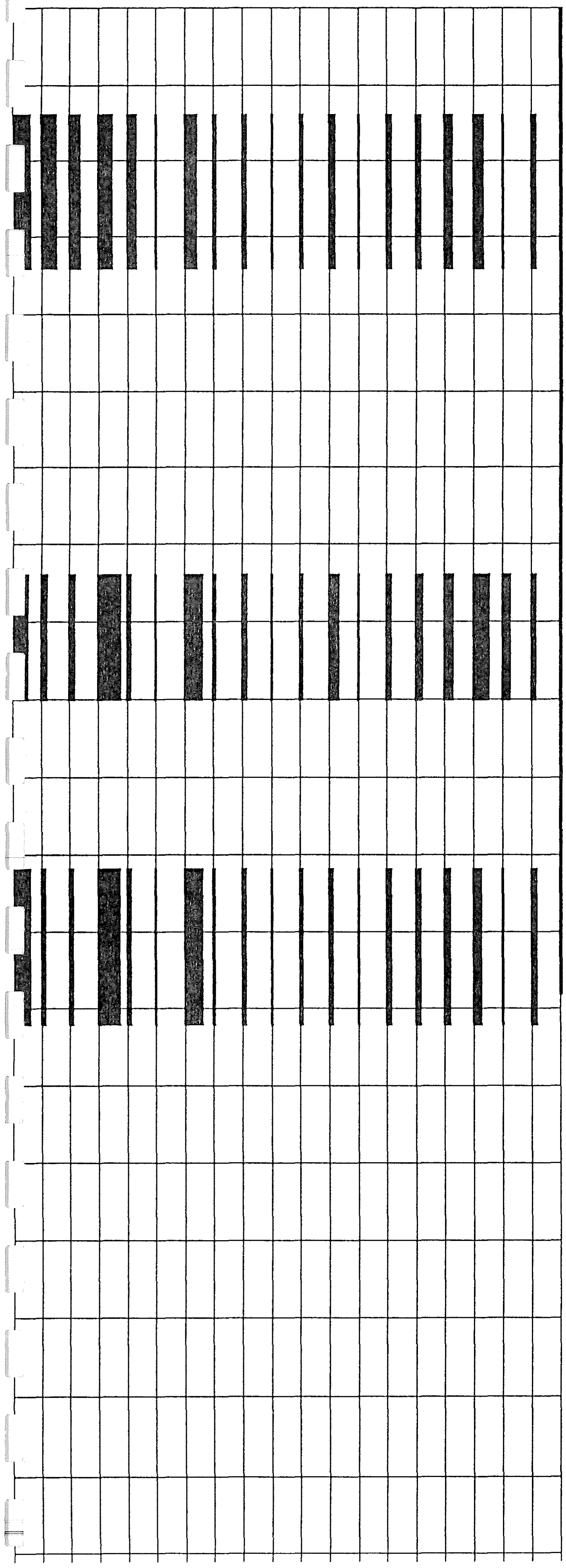
Dark-grn, cgr, serpent. pyx-Troct. Rounded plag xls through-out (10-15%) . Pyx oiks easily visible. Suls not noted at all. Protolith difficult to determine due to serpentn.

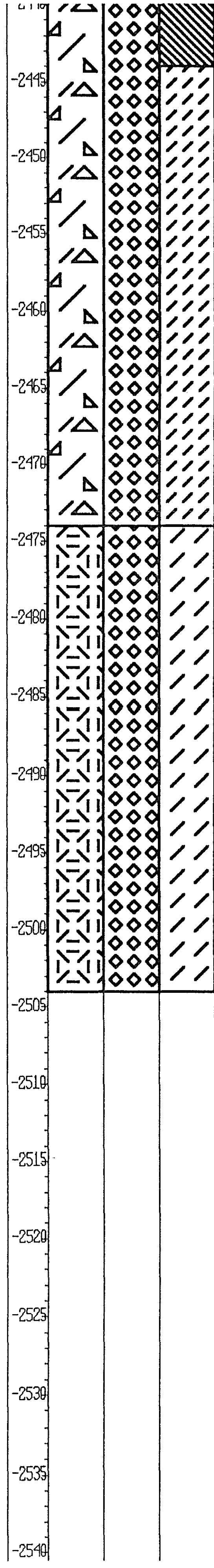
Grey, mgr, cu-sul-b, troct. Suls throughout as dissem grns of cp and minor po. Unit cut by a 2' granite vein at 2316'.

Grey, cgr, cu-sul-b, pyx-b, anortc-Troct, section very homog. Pyx occurs as widely spaced grns of cpx suls throughout, (1-3%) as dissem grns and local cgr blebs of cp>po. Bio assoc w/ cgr blebs of sul.

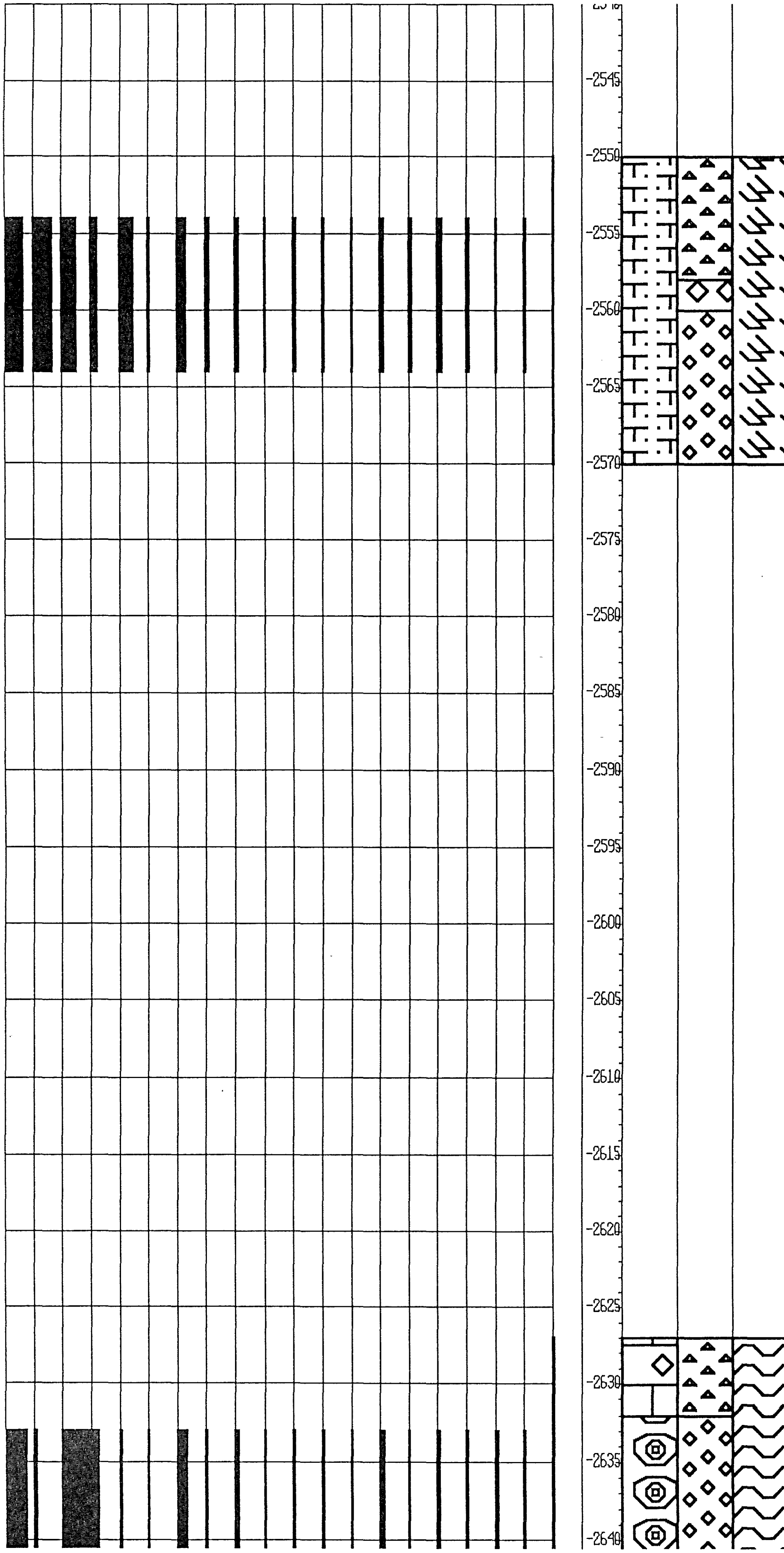


Grey, mgr-cgr, mixed, cu-sul-b anortc-Troct and mgr, cu-sul-b Picrite. Pyx grns scattered throughout as large subophitic grains. Suls occur as dissem grns, (cp>po), and as large ireg blebs assoc w/ pyx grains. Minor suls along fractures.





Black, mgr, cu-sul-b, ox-b, Modly-serpent, Picrt. Dissemd cp and po throughout avg 3-4%. Rusty-red drops on core at 2472-2496.5. Gradational ctc w/ unit above and sharp ctc w/biot-Granite below.



Grey, cgr-pegmtdl, cu-sul-b, trocc-Anorth. Suls of cp and po as ireg grns and large blebs up to 10mm. Sul content ranges from 0-7% over 12in intervals.

Thinly-bedded, thermally metamorphosed Iron Formation. Upper 5' a calcite marble. cu-sulfides occur, in underlying calc-silicate rock from 2632-2644' as interstitial grns of cp between subhedral grns of diopside. Rock very well layered from 2649' on down.

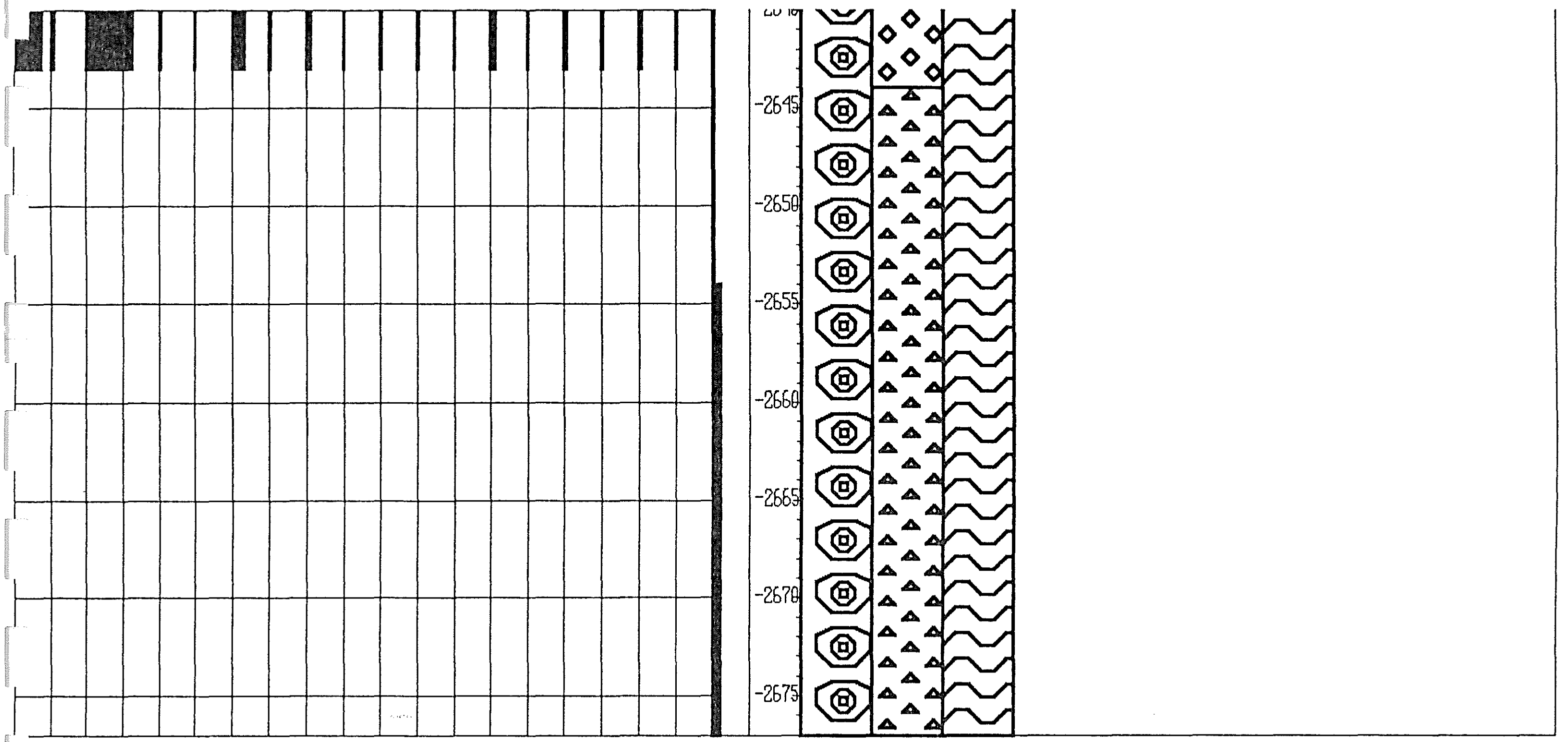

-2645
-2650
-2655
-2660
-2665
-2670
-2675

PLATE 1

MINNESOTA GEOLOGICAL SURVEY
SAINT PAUL, MINNESOTA

ADAPTED FROM MOREY & COOPER (1976)

Relationships shown are approximate due to scale differences and distortions.

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
Division of Minerals

PROJECT 255-1
DRILL CORE REPOSITORY PROJECT

HOYT LAKES – KAWISHIWI AREA, ST. LOUIS AND LAKE COUNTIES, NORTHEASTERN MINNESOTA

Compilation of Bedrock Geology and Lineaments as adapted from Morey & Cooper (1976), Chandler (1986) with drill hole locations of Drill Core Repository Project

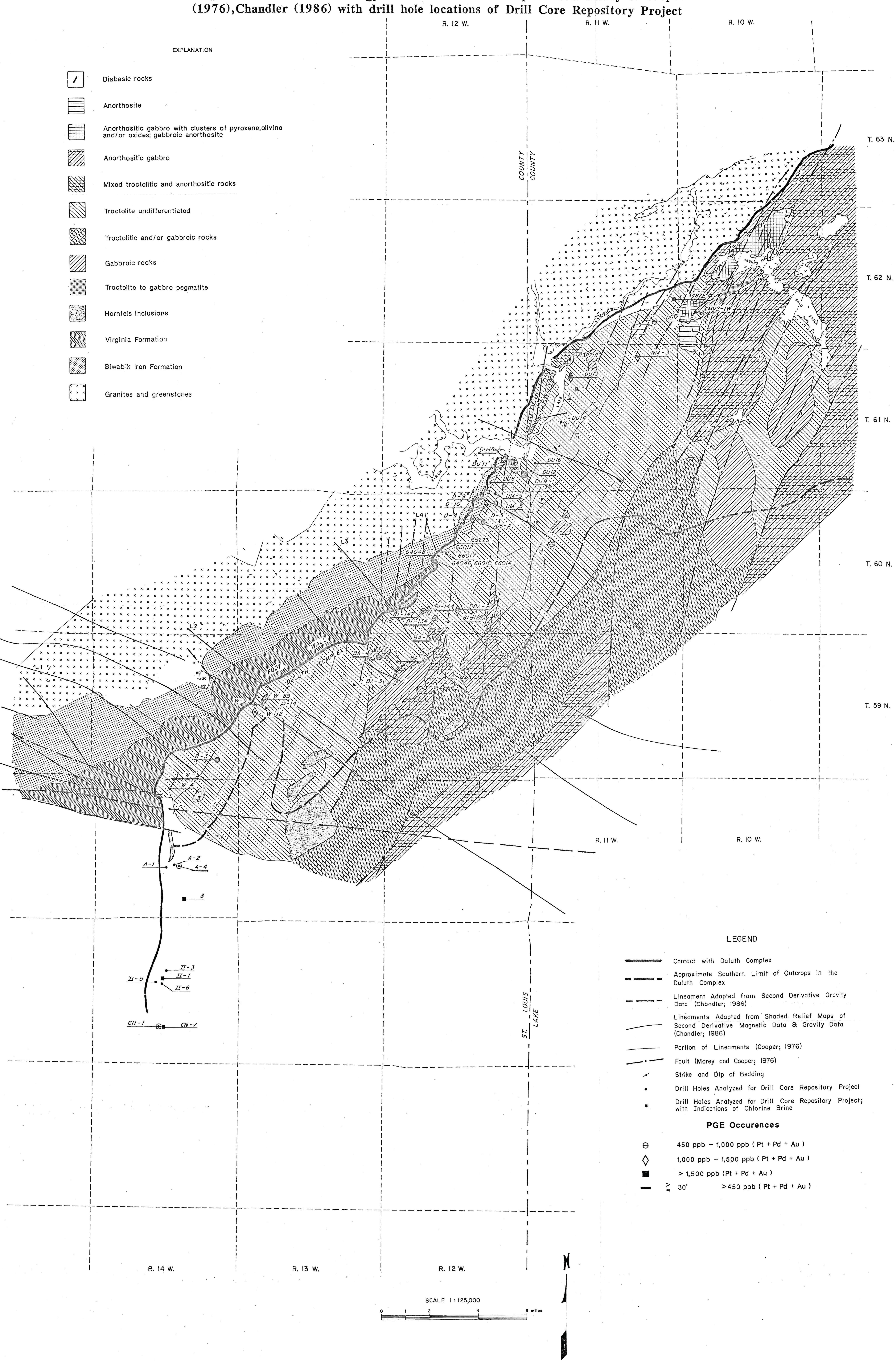


PLATE 2

P. 255-1 Drill Hole Locations and Geology

Duluth Complex 1986/1987, 1988/1989.