Geological and Geochemical Report on the Pinto Claim

Greenwood Mining Division
N.T.S. 82E-9
Latitude: 49°35'N, Longitude: 118°21'W
OWNER: Canadian Nickel Company Limited
OPERATOR: Inco Limited

Author: Dennis M. Bohme, P.Eng.
Consulting Geologist
Vancouver, B.C.
November, 1989

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1.0 SUMMARY

This report describes the results of the reconnaissance geological mapping, soil, silt and rock chip sampling surveys conducted on the Pinto claim by Inco Limited between June 8 to November 2, 1989. The claim is located 75 km north of Grand Forks, B.C. on the northern edge of the Franklin Mining Camp.

A geochemical gold anomaly on Pinto Creek prompted staking of the source area. The property was explored for its epithermal gold-silver potential.

The oldest rocks exposed on the claim are Mesozoic granitic basement rocks of the Nelson Batholith. Down-faulted Eocene volcanic (Marron Formation) and sedimentary (Kettle River Formation) rocks are unconformably overlying the Mesozoic plutons.

Soil geochemistry displays a few discrete gold highs over Nelson intrusive rocks and a clustering of weak to moderate gold anomalies near a Tertiary monzonite-arkosic sandstone fault contact.

Copper-gold anomalies over the Nelson granodiorite reflect discontinuous chalcopyrite-pyrite bearing shear zones. Selected grab samples assayed up to 6.8 g/t Au and 0.41% Cu.

Geochemistry towards the head of Pinto Creek shows a NNE trending soil anomaly measuring 200 m by 75 m over altered Tertiary rocks. The source of the anomaly has not been determined. Reproducible soil anomalies ranged between 9 - 65 ppb Au. It is recommended that this target area be delineated by more detailed soil sampling, prospecting and geological mapping.

2.0 INTRODUCTION

This report describes the results of the reconnaissance geological mapping, soil, silt and rock chip sampling surveys conducted on the Pinto claim between June 8 - June 19, 1989 and August 25 to November 2, 1989.

The Pinto claim, consisting of 20 units, was staked to protect the source area of a moderately anomalous heavy mineral sample collected during a regional geochemical survey. The geological and geochemical surveys were designed to explore the claims for its epithermal gold-silver potential.

2.1 Location, Access and Topography

The Pinto claim is located in the Monashee Mountains of the south-central interior, approximately 68 km north of Grand Forks, B.C. (see Figure 1). The claim covers Tenderloin Mountain situated between Burrell and Gloucester Creeks.

Access to the property is via the Granby River and Burrell Creek roads north from Grand Forks to the old Union Mine - Franklin Camp for a distance of 71 km. From the mine site, a narrow road follows the west side of Gloucester Creek to within 250 m of the southwest corner of the property. Vehicles were parked about 4 km up from the Union Mine turnoff.

A secondary logging road, known as the McFarlane Creek road, branches off from the Burrell Creek road about 10 km north of the Union Mine turnoff and provides limited access to the extreme north end of the claim. A small portion of the logged off area covers the Pinto claim.

Relief over much of the area varies between hilly to quite steep. Elevations range from 914 m (3000') near the confluence of Pinto and Gloucester Creek to over 1615 m (5300') at the summit of Tenderloin Mountain.

The property is quite heavily treed by immature and mature stands of jackpine, alder, spruce, fir and aspen. Intermittent creeks and springs occur in moderately incised gullies draining into Pinto Creek.

Outcrop exposure is generally good, comprising between 8-12% of the claim area. Poorly sorted glacial till and immature soil horizons cover areas of low topographic relief.

2.2 Claim Inventory

The property consists of 1 located metric grid claim comprised of 20 units (see Figure 2). It is recorded in the Greenwood Mining Division. The legal corner post was placed at the confluence of Pinto and Gloucester Creek. Details are as follows:

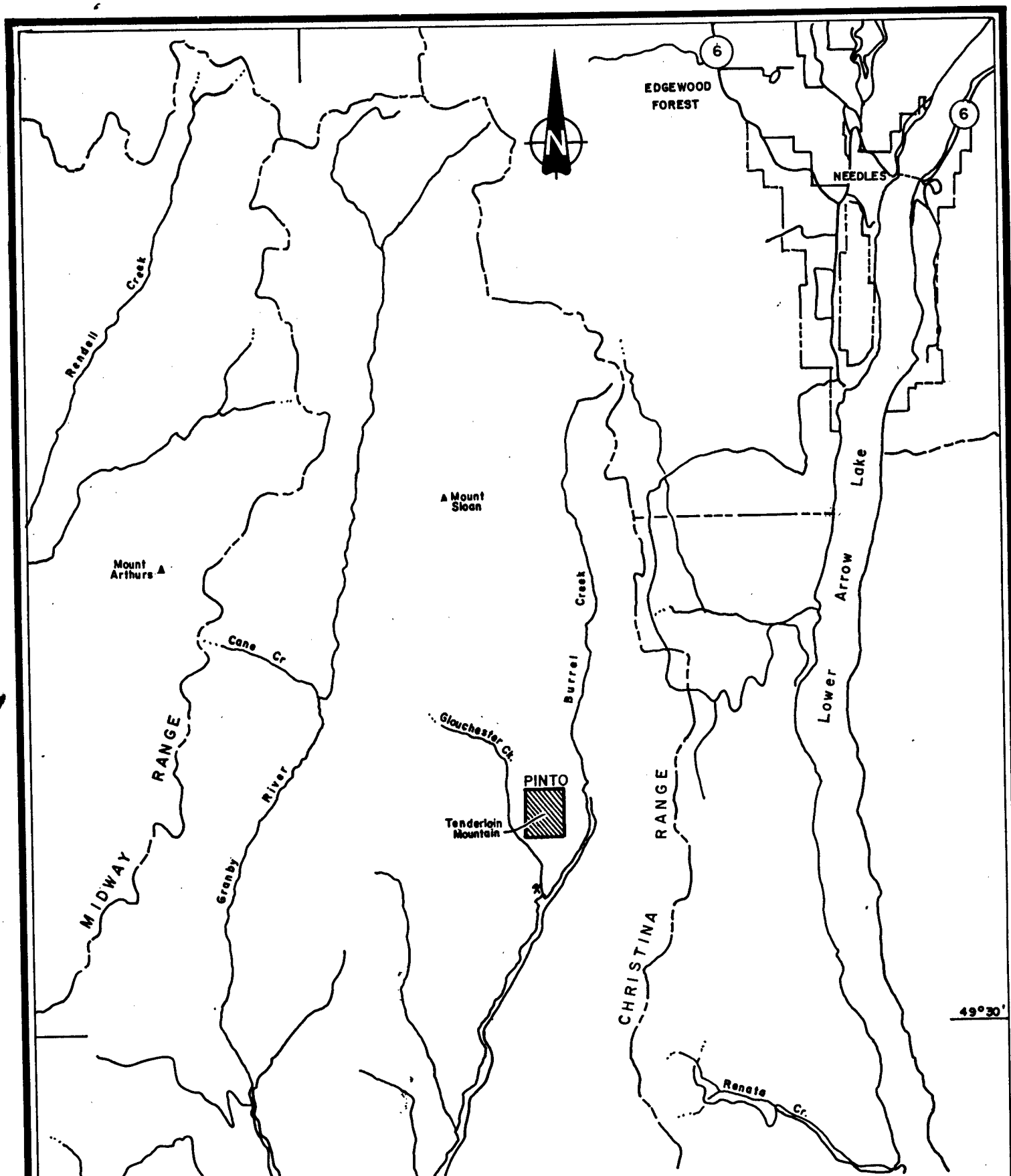


Figure 1
INCO EXPLORATION and TECHNICAL SERVICES INC.
PINTO PROJECT
BRITISH COLUMBIA
Location Map

SCALE 1:250,000

82 E

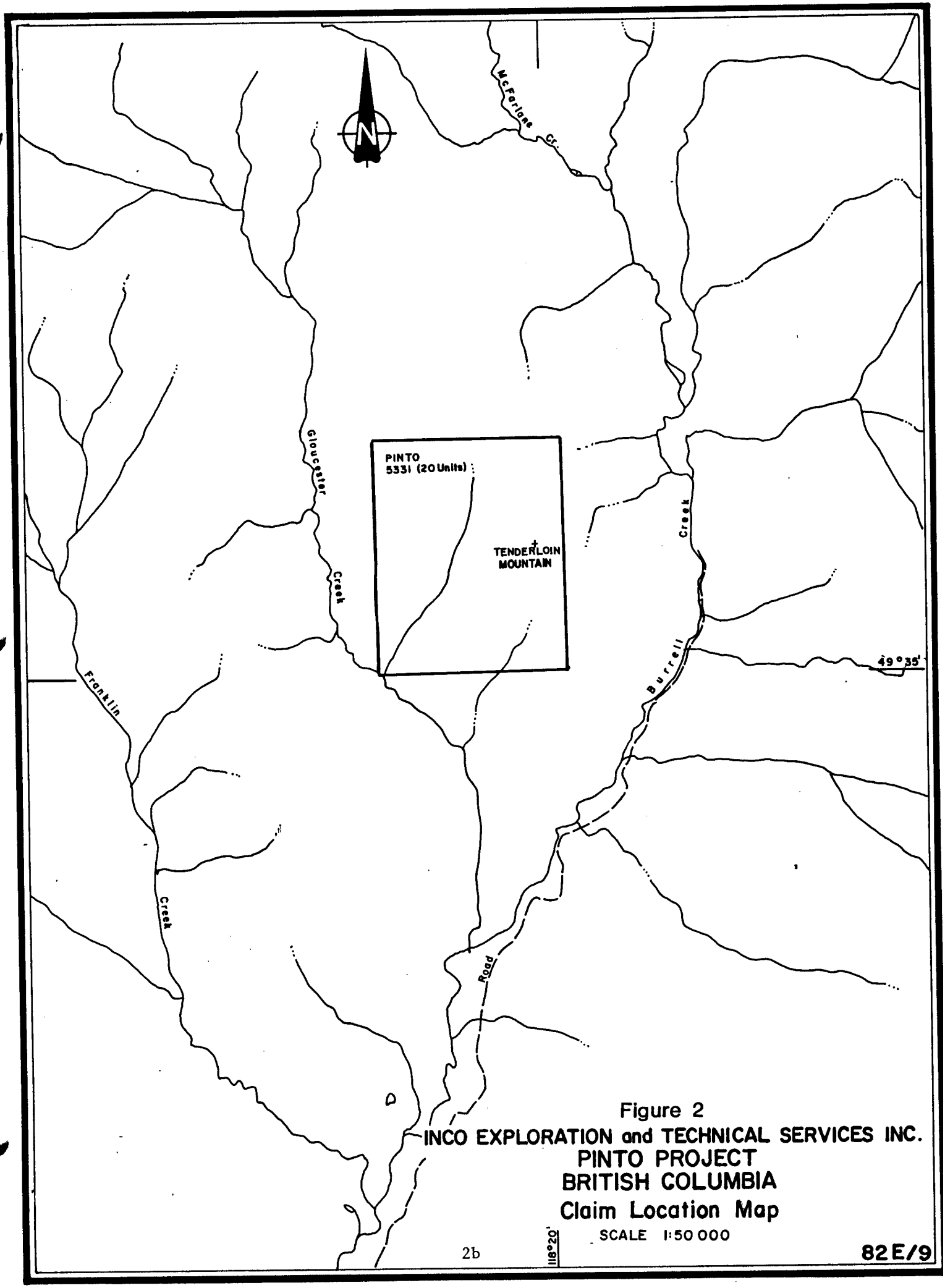


Figure 2

INCO EXPLORATION and TECHNICAL SERVICES INC.

PINTO PROJECT

BRITISH COLUMBIA

Claim Location Map

SCALE 1:50 000

82E/9

Claim	Units	Record Date	Record Number
Pinto	20	December 10, 1988	5331

The Pinto claim is owned by Canadian Nickel Company Limited which is a wholly owned subsidiary of Inco Limited.

2.3 Property History

The first major geological study conducted in the region was by C.W. Drysdale of the G.S.C. in 1911 (Drysdale, 1915) by which time most of the Franklin mining camp and surrounding area had already been extensively prospected. Several old workings, mostly open-cuts and caved trenches, were discovered on the Pinto claim from the early 1900's. Copper mineralization was usually noted.

Regionally, H.W. Little of the G.S.C., mapped the Grand Forks region between 1953-56.

Over the last 20 years, sporadic exploration for Cu, Pb, Zn, Au, Ag and Pt was conducted in and around the Franklin camp mostly by junior companies. In 1970, West Coast Mining and Exploration staked the headwaters of Pinto Creek after discovering chalcopyrite related to shear zones in Nelson granodiorite. No significant EM conductors or soil geochelmical anomalies were found.

Noranda Exploration staked the southern slope of Tenderloin Mountain in 1983 based on the premise that the area was geologically and structurally similar to that of the Phoenix Camp. A total of 120 soil and 21 silt samples were collected and analyzed for Cu, Pb, Zn, Ag, Mo, Au and As. No significant copper showings were found. Eight soil samples ran between 30 - 50 ppb Au.

Numerous small prospects and copper occurrences are present just north and south of the property.

2.4 Work Summary

The operator of all work conducted on the Pinto claim is Inco Limited.

Field work in 1989 was carried out in two periods. Between June 8 to June 19 the following work was conducted by Inco personnel D. Bohme (geologist) and D. Henderson (assistant): prospecting, reconnaissance geological mapping, rock, soil and silt sampling and hand trenching.

Between August 25 to November 2, 1989 the following field work was carried out by Discovery Consultants and Inco geologists D. Bohme and J. Miller: prospecting, rock chip sampling, soil sampling, geological mapping and topofil - compass grid line surveying. Grid surveying, silt and soil sampling were conducted by Discovery Consultants.

A total of 377 soil samples and 10 silt samples were collected by Discovery Consultants on the grid. About 20 line-km of flagged grid line were established with line spacings of 100 m and geochemical samples sites at 50 m intervals. Survey control was facilitated by compass and hip-chain topofil. Grid lines were oriented E-W perpendicular to a 2500 m long N-S baseline.

Inco personnel collected 68 rock, 85 soil and 8 silt samples. A grand total of 68 rock, 462 soil and 18 silt samples were taken on the Pinto claim during the 1989 field program. All samples were analyzed for gold and multi-element analysis.

Geological mapping and geochemical compilation were done at 1:10,000 scale. Gold results in parts per billion were plotted for all rock and silt samples. Soil results of 6 ppb or greater were also plotted.

It should be noted that grid lines 700N through 2400N are shifted 100 m to the east such that station 700E on lines 600N to 100S does not line-up with the same station on line 700N (instead lines up with station 600E). The grid lines and stations were plotted accurately on the maps from field notes.

3.0 REGIONAL GEOLOGY

The regional geology underlying the Franklin camp region can be subdivided into two major stratigraphic divisions: The Jurassic Nelson Batholith basement complex and the Eocene volcanic, intrusive and sedimentary rocks correlative to the Marron and Kettle River Formations. The Mesozoic granitic basement rocks are unconformably overlain by the Tertiary sequence and are interpreted to be high-level graben in-fillings related to the Granby River extensional fault system.

Major rock types of the alkalic Marron Formation include andesite to trachyte basalt flows and intermediate monzonite to syenite intrusives. Some intrusives within the Franklin camp may be genetically related to the Eocene Coryell syenite intrusive suite exposed mostly to the east of the Granby River fault.

Trachytic volcanics of the Marron Formation appear to be the youngest rocks in the area and lie disconformably over the conglomerate and arkosic sediments of the Kettle River Formation. Minor volcanic components include dacite to rhyolite flows.

Volcanic dyke swarms occur locally near major north-trending normal faults.

4.0 PROPERTY GEOLOGY

Four main groups of rocks are found within the Pinto claim area (see Map 1). They are as follows: Jurassic-Cretaceous granodiorite of the Nelson batholith; Lower Tertiary sediments (arkose and conglomerate) of the Kettle River Formation; Tertiary plutonic rocks of monzonite composition of the Marron Formation and; Eocene extrusive equivalents of some Tertiary intrusive rocks mainly trachyandesite in composition (Marron Formation). The Lower Tertiary volcanic and sedimentary rocks lie with marked angular unconformity on the basement granitic rocks and are genetically related to block faulting.

The Nelson intrusive suite typically is composed of porphyritic, medium-grained granitic rocks with large phenocrysts of potassic feldspar. The rocks on the Pinto claim vary from hornblende-rich granodiorite to biotite granite. Mafic minerals may be chloritized. Weathering surfaces are grey-white to grey-brown in colour. Most outcroppings are porphyritic or equigranular in texture but foliated fabrics were noted near fault/shear zones.

The Kettle River Formation outcrops in a few localities and forms the basal clastic sedimentary package of the Eocene sequence. It is characterized by discontinuous beds of light-coloured arkosic sandstone and conglomerate. Pebble and boulder-size granitic clasts were usually major constituents of the conglomerate. Thick bedded sandstone and arkose outcroppings show broken clasts of quartz, chert, feldspar and volcanic detritus. Rhyolitic flows and tuffs were noted as float boulders only.

Above this lies the Marron Formation comprised mainly of thick trachyte and andesite lava flows. Minor dacitic flows and tuffs were mapped along the northern edge of the claim boundary. Massive trachyte flows are often porphyritic with crystals of plagioclase, pyroxene and biotite.

The grey-black, fine to medium grained Tertiary monzonite rocks bear a marked similarity to the various trachyte flows and are interpreted to be feeders. Both are magnetite-rich, quartz-poor alkaline-type magmas. A large monzonite plug forms Tenderloin Mountain with cliff-forming trachytic flows surrounding and capping the feeder zone.

The contact between the monzonite and Nelson granodiorite is poorly defined in Pinto Creek. Fracture fillings of quartz, chlorite and calcite occur mostly in monzonite rocks along Pinto Creek. A fault contact may be inferred.

In general, the region east of Pinto Creek marks a structurally depressed area containing down-faulted Eocene volcanic and sedimentary rocks. The result is preservation of thick, massive intermediate intrusives and their extrusive equivalents.

4.1 Structure

Structurally, the most important event is Tertiary block faulting which is coincident and continued after the formation of the Marron volcanic succession. Regionally, the graben structure is truncated by the N-S striking Granby River normal fault.

Conjugate shear/fault zones of NNE orientation on the property likely represent extensional structures peripheral to the pronounced Granby River fault. The arkosic sandstone appears to be plunging to the ENE suggesting that the entire Tertiary assemblage may be tilted eastward.

At least three NE trending faults were mapped towards the north and central portions of the claim. Scant indications of friable, bleached monzonite, trachyte and dacite were recorded. Narrow, vuggy quartz fracture fillings carried minor pyrite. A shallow adit was driven along one structure where some quartz-pyrite-chalcopyrite veins were discovered.

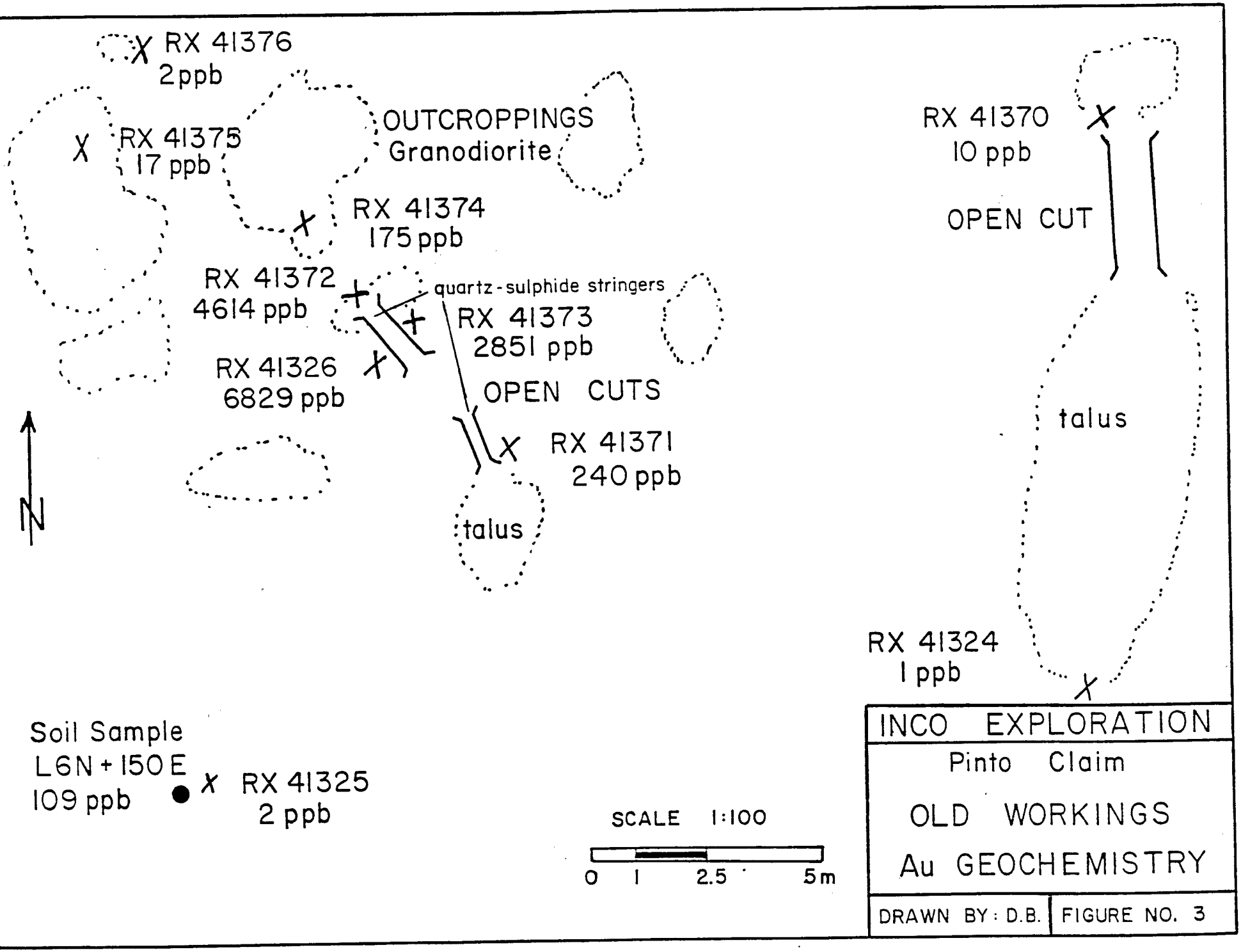
Numerous small fault zones were noticed within the Nelson granodiorite. Old trenches and pits were excavated on shear-related quartz-chalcopyrite veinlets. In most cases, the fault/shear zones trend north. Polished slickensides were common.

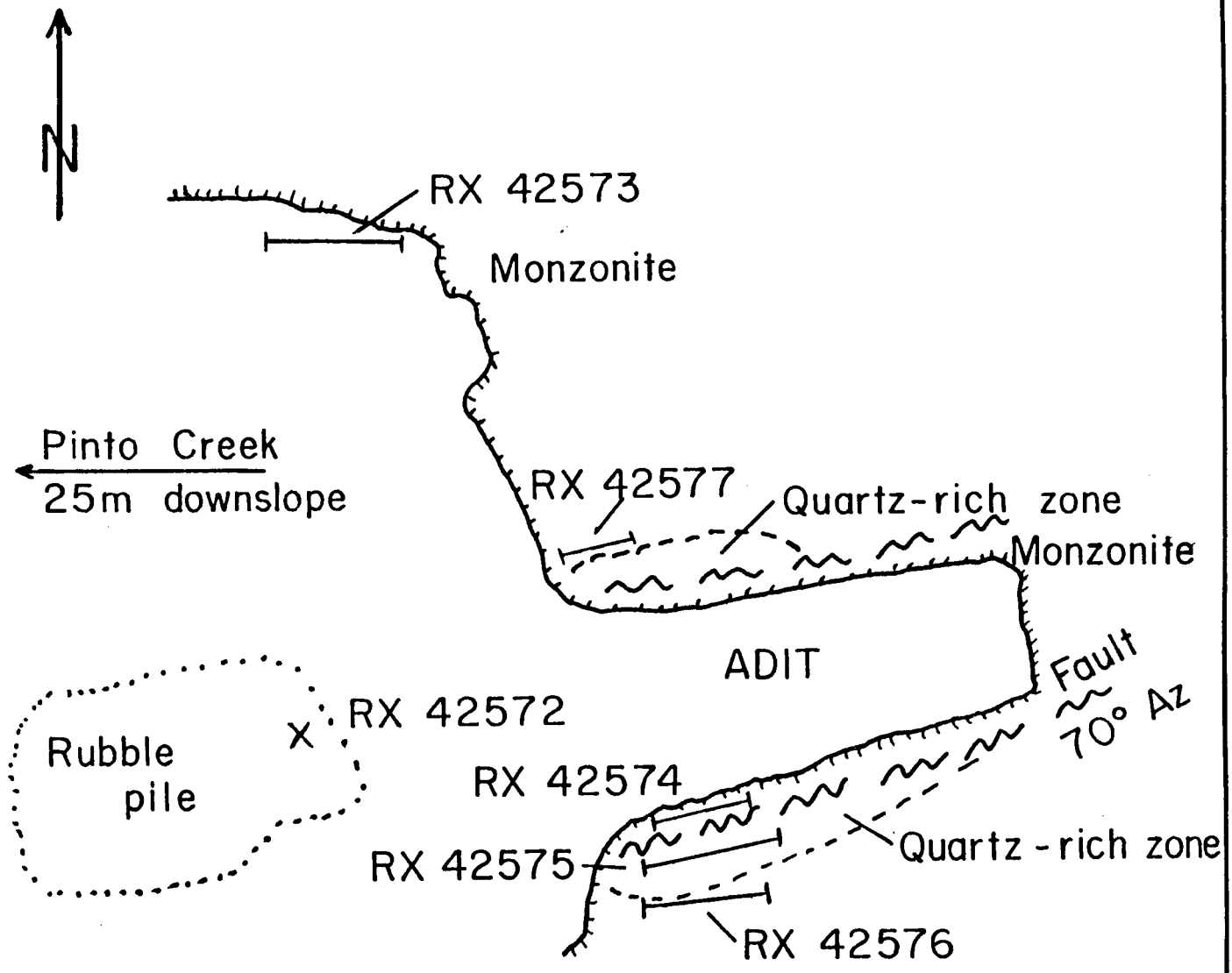
4.2 Mineralization

Several small showings of structurally-controlled mineralization were discovered on the Pinto claim. The majority are pyrite and chalcopyrite bearing quartz stringers in north trending fault/shear zones in Nelson granodiorite. Veins may be trace 2-3 m along surface but rarely exceed 0.3 m in width. Sulphides, mostly pyrite, occur as smeared fracture coatings and as fine disseminations. Vein contacts are sharp with minor chlorite-sericite alteration.

One unnamed prospect at station L600N+150E contains several discontinuous quartz veins carrying between 8-12% sulphides (see Figure 3). Milky white quartz-pyrite and quartz-pyrite-chalcopyrite-magnetite veinlets form a moderate fracture-controlled stockwork over a 1 x 1 m area. The mineralized fractures are steeply dipping to the NE and strike 140° AZ. Siliceous margins are bleached by patchy sericite, chlorite, hematite and limonite alteration.

A selected grab sample assayed 6.8 g/t Au, 6.9 ppm Ag and 451 ppm Cu. A 1 m chip sample across the fracture zone assayed 4.6 g/t Au. Another sample along strike of several sulphide-rich fractures ran 2.8 g/t Au. Sampling further along the NW trend yielded anomalous copper up to 2145 ppm and low gold. The auriferous sulphide showing appears to be restricted to a small, intensely fractured silicified zone.


RX 41376
2 ppb
OUTCROPPINGS
Granodiorite
RX 41375
17 ppb
RX 41374
175 ppb
RX 41372
4614 ppb
quartz-sulphide stringers
RX 41373
2851 ppb
RX 41326
6829 ppb
OPEN CUTS
RX 41371
240 ppb
talus
N
RX 41370
10 ppb
OPEN CUT
talus
RX 41324
1 ppb
Soil Sample
L6N + 150E
109 ppb
RX 41325
2 ppb
SCALE 1:100
0 1 2.5 5m
INCO EXPLORATION
Pinto Claim
OLD WORKINGS
Au GEOCHEMISTRY
DRAWN BY: D.B.
FIGURE NO. 3



Soil Station L20N+1000E

Scale 1:100

0 1 2.5 5m

GEOCHEMICAL RESULTS

	Au ppb	Ag ppm	Cu ppm
RX 42572	23	5.2	10150
RX 42573	9	0.3	176
RX 42574	1	0.1	689
RX 42575	2	0.1	743
RX 42576	123	3.4	1158
RX 42577	56	1.2	581

INCO EXPLORATION

PINTO CLAIM

ADIT SHOWING

GEOLOGY, GEOCHEMISTRY

DRAWN BY: D.B.

FIGURE NO. 4

Elsewhere on the property, several other old workings were sampled but considerably lower Cu-Au values were obtained. A shallow open cut near L22N+750E yielded 300 ppb Au from a grab sample.

A shallow adit was discovered in Tertiary monzonite near station L20N+1000E (see Figure 4). The workings follow a NE trending fault with quartz-sulphide infillings. The fault zone shows gouge, shattered quartz and friable bleached monzonite. One sulphide rich grab sample assayed over 1% Cu. Gold values were 120 ppb or less.

Towards the NE corner of the property, a poorly exposed 100 x 200 m area displays considerable fracturing, hematization and quartz flooding in a dacite porphyry to monzonite host. A weak stockwork of white to grey quartz veinlets ran 154 ppb Au and 18 ppm As. No other showings were discovered in Tertiary rocks east of Pinto Creek.

5.0 GEOCHEMISTRY

All soil, stream sediment and rock chip samples taken by Inco personnel were prepared and analyzed by Acme Analytical Laboratories in Vancouver (161 samples). The majority of the samples were geochemically analyzed for Au and 30 trace elements. Three rock samples were done for Pt, Pd, Rh in addition to the other elements.

Soil and silt samples taken by Discovery Consultants were analyzed by Bondar-Clegg and Company in Vancouver (387 samples). All samples were geochemically analyzed for Au and 29 trace elements.

Sample locations were plotted for the entire data set (see Maps 2 and 4). Gold results greater than 6 ppb were plotted (see Maps 3 and 5). The certificates of analysis for all samples are included in Appendix I. A brief description of each rock sample is included in Appendix II.

5.1 Field Procedure

Three types of soil surveys were conducted on the property. They were as follows: grid line sampling by Discovery Consultants (377 samples); contour sampling by Inco (SX 72801-72859); and dug-out soil profile sampling of selected gold anomalies by Inco (SX 72986-73000, SX 72701-72713). With the exception of the latter survey, standard soil sampling techniques were used for the geochemical surveys.

At each sample point a hole was dug with a mattock to a depth of at least 15 cm in order to sample the B-horizon. With the aid of a trowel, a soil sample was then taken from the bottom of the hole and placed in a numbered kraft paper bag. Stream sediment samples were also taken with the use of a trowel.

For the soil profile geochemical survey comprising 28 samples, gold anomalies greater than 10 ppb were dug-out with a shovel to the C-horizon in order to test the reproducibility of the original B-horizon sample and to see if the gold content increases significantly from the B to the C-horizon. Ideally, elevated values from the C-horizon would reflect an anomalous bedrock source. Angular, weathered rock fragments and gritty soil textures were usually encountered. Pits were excavated to a minimum depth of 0.3 m. Samples were taken with a trowel from the bottom of the hole and placed in a Kraft paper envelope.

Soils in the region are generally poorly developed podzols. In many cases the whitish leached A_2 horizon and the reddish brown, enriched B horizon is absent to poorly developed. Along the Pinto Creek valley bottom, glacial till varies between poorly sorted porous gravel to intermixed clay and gravel layers. Organic material in the samples were usually less than 10%.

The majority of rock chip samples were taken over a measured width or area. A chisel and a 1 kg hammer was utilized for some rock chip samples. Rock sample weights were about 1.0 to 2.5 kg.

5.2 Laboratory Procedure

For silt and soil samples analyzed by Acme Labs, samples were dried in their envelopes and sieved to obtain a -80 mesh fraction. Then 0.5 gram sample is digested in 3 ml of 3:1:2 $HCl-HNO_3 - H_2O$ solvent at 95°C for one hour and is then diluted to 10 ml with water. The digested sample is analyzed for 30 elements by inductively coupled argon plasma method (ICP). This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al.

For Au, a 10 g sample is ignited at 600°C and digested with 30 mls hot dilute aqua regia. Then 75 mls of clear solution is extracted with 5 mls Methyl Isobutyl Ketone. Gold is determined in the acid leach MIBK extract by graphite furnace Atomic Absorption analysis to a 1 ppb detection limit.

Rock samples were pulverized to -150 mesh and analyzed using the sample procedures outlined above. For Au, however, the 10 gram sample is preconcentrated using fire assay techniques and finished by ICP geochemical analysis.

For silt and soil samples analyzed by Bondar-Clegg, the -80 mesh fraction was analyzed for gold by standard fire assay/atomic absorption methods. Samples were also analyzed for Ag, As, Ba, Be, Cd, Ce, Cr, Cu, Ga, La, Li, Mn, Nb, Pb, Zn, Mo, Co, Bi, Ni, Sb, Sc, Sn, Sr, Ta, Te, B, Y, Zr and Fe by Induced Plasma technique following HNO_3 - HCL extraction. Specific extraction techniques and lower detection limits for each element are shown in Appendix III.

5.3 Rock, Soil and Silt Geochemistry - Discussion

Basic statistics were compiled for the grid soil survey by Bondar Clegg's computer. Results were tabulated at the end of Appendix I. Anomalous values in gold were determined as those greater than 14 ppb. The maximum value obtained was 110 ppb Au.

All soil sample sites indicating gold of 10 ppb or greater were dug out to the C-horizon and re-sampled in order to verify the anomaly closer to a bedrock source. Angular rock fragments from the pit were sometimes sampled as well. A comparison summary of the soil sample results are shown in Table 1. Exact grid locations were plotted on Map 2.

TABLE 1

PINTO GRID - SOIL GEOCHEMISRY

Discovery Consultants grid B-horizon			Inco Check samples C-horizon			
SAMPLE #	Au (ppb)	Ag (ppm)	Sample #	Au (ppb)	Ag (ppm)	Depth
P-L7N 7+50E	39	<0.2	SX 72986	5	0.1	0.4 m
P-L7N 9+00E	11	<0.2	SX 72987	1	0.1	0.4 m
P-L11N 8+50E	10	0.2	SX 72988	8	0.1	0.6 m
P-L13N 7+50E	53	0.2	SX 72989	25	0.3	0.5 m
P-L11N 5+50E	27	<0.2	SX 72990	3	0.2	0.6 m
P-L10N 5+50E	20	0.2	SX 72991	12	0.3	0.5 m
P-L10N 6+50E	11	0.2	SX 72992	4	0.1	0.3 m
P-L8N 5+00E	15	<0.2	SX 72993	13	0.2	0.65m
P-L7N 6+00E	27	0.2	SX 72994	6	0.5	0.5 m
P-L21N 5+00E	82	0.3	SX 72995	36	0.5	0.4 m
P-L16N 5+00E	14	<0.2	SX 72996	11	0.3	0.35m
P-L15N 5+50E	23	<0.2	SX 72997	3	0.1	0.5 m
P-L15N 6+00E	13	<0.2	SX 72998	6	0.5	0.5 m
P-L15N 7+00E	11	0.4	SX 72999	8	0.8	0.6 m
P-L15N 8+00E	18	0.4	SX 73000	2	0.5	0.4 m
P-L15N 8+50E	15	<0.2	SX 72701	28	0.5	0.5 m
P-L15N 10+00E	13	0.3	SX 72702	3	0.4	0.4 m
P-L15N 10+50E	15	0.3	SX 72703	3	0.3	0.45m
P-L16N 11+00E	9	0.7	SX 72704	6	0.6	0.35m
P-L16N 10+50E	45	0.4	SX 72705	65	0.3	0.4 m
L1570N-1050E	-	-	SX 72706	16	0.2	0.4 m
L1530N-1050E	-	-	SX 72707	4	0.1	0.65m
L1650N-1050E	-	-	SX 72708	20	1.9	0.3 m
P-L17N 10+50E	19	0.6	SX 72709	14	1.2	0.4 m
P-L3N 2+00E	110	0.2	SX 72710	13	0.2	0.5 m
P-L0+00N 2+00E	20	<0.2	SX 72711	3	0.1	0.6 m
P-L0+00N 3+50E	13	0.2	SX 72712	3	0.1	0.35m
P-L1+00S 1+50E	63	0.3	SX 72713	3	0.2	0.45m

The tabulated results show that the majority of samples display a significant decrease between the gold value obtained in the B-horizon and the re-sampled values from the C-horizon.

Soil geochemistry displays a few discrete highs in gold over the Nelson granodiorite and a clustering of weak to moderate gold anomalies near a Tertiary monzonite-arkose fault contact.

Anomalies examined over Nelson intrusive rocks largely reflect sulphide-bearing quartz fractures and shears randomly exposed at surface. One soil sample 10 m below an unnamed prospect ran 109 ppb Au, 0.4 ppm Ag and 544 ppm Cu. Elevated copper values ranged between 101 - 544 ppm and correlate quite well to samples anomalous in gold.

The source of a broad, lenticular-shaped gold anomaly between stations L15N+1050E and L17N+1050E remains unexplained. The anomaly occurs over altered Tertiary rocks and roughly measures 250 m by 75 m wide. Original grid soil anomalies ranged between 9 - 45 ppb Au. Inco's resampled locations show that the anomalies persist at depth in the C-horizon (see Table 1). Results ranged between 6 - 65 ppb Au including 3 samples taken at 30 m intervals. Silver and copper were also slightly anomalous, up to 1.9 and 358 ppm, respectively. Soil anomalies of this type warrant further investigation evenso other trace elements were very low.

The anomalous zone strikes obliquely to an inferred fault contact between the monzonite and arkosic sandstone. Soil sample L16N+1050E encountered friable gouge and clay altered intrusive fragments. Most of the cover is immature clay-sand to light brown soil. Five rock samples from the area show negligible results for all elements. Arkosic sandstone fragments show rusty limonite, reddish-brown hematite and hornfelsed alteration features.

Sampling elsewhere on and off the grid did not turn up any significant results characteristic of epithermal-type mineralization. At the NE corner of the claim, fractured dacite outcroppings show scattered quartz veinlets with fine pyrite, hematite and ankerite alteration. Granodiorite-andesite breccia suggests a NE trending fault cutting through the area. Up to 170 ppb Au was obtained from a rusty fractured granodiorite exposure. No significant soil anomalies occur in this area.

Stream sediment geochemistry shows that the headwaters of Pinto Creek are slightly more anomalous in gold than the lower portion. Results ranged between 11 and 15 ppb Au immediately downstream from the elongate soil anomaly target area. Silt samples above the soil anomaly drop to 6 ppb Au. Overall, silt and soil geochemistry results in the target area show a subtle but persistent gold anomaly that warrants further investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Soil geochemistry displays a few discrete gold highs over the Nelson Batholith granodiorite and an elongate clustering of weak to moderate gold anomalies over altered Tertiary monzonite and arkosic sandstone rocks.

Copper-gold anomalies over the Nelson granodiorite are associated with quartz veinlet strike-slip fracture shear planes carrying sporadic pyrite and chalcopyrite. Sulphide-rich grab samples assayed up to 6.8 g/t Au and 0.41% Cu. Narrow, sulphide-bearing fracture zones represent isolated prospects that do not warrant further evaluation.

Soil and stream sediment geochemistry towards the headwaters of Pinto Creek show a number of subtle gold anomalies. Geochemistry outlines a NNE trending soil anomaly measuring 200 m by 75 m that remains unexplained. Soil samples ranged between 9 - 65 ppb Au. Intrusive rock fragments from one soil site were bleached and clay altered. This anomalous zone may represent leakage of epithermal-type gold mineralization in close proximity to a bedrock source. To date only six rock samples have been collected. The best results were 23 ppb Au and 62 ppm As.

It is recommended that this target area be delineated by detailed soil sampling at 10 or 15 m intervals. The best gold anomalies should be hand trenched in order to sample angular residual rock fragments that relfect the underlying bedrock. Outcroppings in the vicinity should be mapped in detail. Dependant upon encouraging results of the preceding work, a mechanized trenching program is recommended.

7.0 REFERENCES

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Parrish, R.R., Carr, S.D. and Parkinson, D.L. (1987): Extensional Tectonics of the Southern Omineca Belt, B.C. and Washington, Tectonics, Volume 7.

Veerman, H. (1971): Geophysical and Geochemical Report on Pinto Claim Group, B.C. MMEPR, assessment report 2952.

8.0 STATEMENT OF COSTS

Personnel

D. Bohme June 8 - Nov. 2, 1989 Project Geologist 20 days @ $200.00/day	$4000.00	
J. Miller Sept. 20 - 25, 1989 Geologist 6 days @ $120.00/day	720.00	
D. Henderson June 8 - June 22, 1989 Assistant 8 days @ $95.00/day	760.00	$5480.00

Professional Services

S. Butrenchuk 0.5 days @ $320.00/day	$160.00	
W. Gilmour 2 days @ $300.00/day	600.00	$ 760.00

Labour

R. Mitchell 1 day @ $228/day	228.00	
R. Patrick 1 day @ $270/day	270.00	
B. Ingleson 6 days @ $168/day	1008.00	
R. Anctil 6 days @ $145/day	870.00	$2376.00

Assays and Geochemical Charges

- 387 soil and silt samples for Au, 29 element ICP @ $16/sample	6192.00	
- 93 soil and silt samples for Au, 30 element ICP @ $10.50/sample	976.50	
- 68 rocks for Au, 30 element ICP @ $15/sample	1020.00	
- 3 rocks for Au, Pt, Pd, Rh, 30 element ICP @ $20.50/sample	61.50	$8250.00

Transportation

4 x 4 Truck 28 days @ $90/day including fuel		2520.00

Meals and Groceries 48 man days x $28/day 1344.00

Accommodation

Hotels	930.00	

Field Supplies Flagging, bags, etc.	500.00	
Freight & shipping	300.00	800.00

Report Preparation

Reproductions, airphotos	300.00	
Typing, copying, drafting, etc.	700.00	1000.00
	Total	$23,460.00

9.0 STATEMENT OF QUALIFICATIONS

I, Dennis Martin Bohme, of the City of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I reside at 57 East 40th Avenue, Vancouver, British Columbia, V5W 1L3.

2. I am a graduate of the British Columbia Institute of Technology with a Diploma in Mining Technology, 1980.

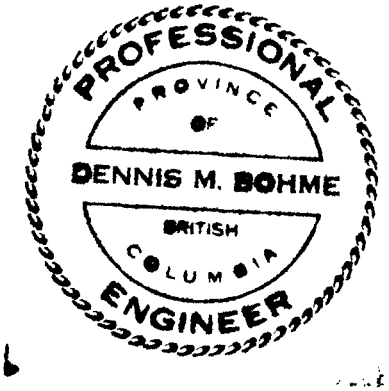
3. I am a graduate of the Montana College of Mineral Science and Technology, in Butte, Montana, with the degree of Bachelor of Science in Geological Engineering, 1985.

4. I have been employed in mining exploration as a technician and a geological engineer with Newmont Exploration of Canada Limited from May 1980 until February 1989, except for 18 months when I was attending university.

5. I am a registered Professional Engineer in the Province of British Columbia.

6. I am a self-employed Geological Consultant.

7. I personally carried out and supervised much of the work described in this report.



Dennis M. Bohme, P.Eng.
November 24, 1989

APPENDIX I

Certificate of Analyses

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L24N 5+00E	<5	<0.2	7	116	<2	6	12	32	1.98	898	<1	7	<2	<5	63
P-L24N 5+50E	<5	<0.2	7	136	2	6	10	44	2.09	1078	<1	6	9	<5	76
P-L24N 6+00E	<5	<0.2	8	129	3	7	11	20	2.17	749	1	8	5	<5	53
P-L24N 6+50E	<5	<0.2	9	96	<2	8	11	21	3.47	626	2	8	<2	<5	66
P-L24N 7+00E	<5	<0.2	8	73	2	5	11	18	2.48	403	1	7	2	<5	52
P-L24N 7+50E	<5	0.2	8	180	3	8	11	69	2.80	856	2	7	5	<5	56
P-L24N 8+00E	<5	<0.2	6	83	<2	3	12	8	1.88	477	1	5	3	<5	38
P-L24N 8+50E	<5	<0.2	<5	99	2	5	8	17	1.71	1094	<1	5	6	<5	40
P-L24N 9+00E	<5	0.2	8	135	<2	7	13	74	2.65	477	1	8	3	<5	52
P-L24N 9+50E	<5	<0.2	7	250	<2	9	13	27	3.22	1750	3	7	3	<5	90
P-L24N 10+00E	<5	<0.2	8	110	3	6	10	18	2.71	292	1	7	<2	<5	57
P-L24N 10+50E	<5	<0.2	8	91	5	7	12	21	2.68	565	2	8	6	<5	55
P-L24N 11+00E	<5	<0.2	6	26	2	3	11	14	2.07	138	2	4	5	<5	26
P-L24N 11+50E	<5	<0.2	8	82	3	4	11	19	2.12	354	3	5	5	<5	51
P-L24N 12+00E	<5	<0.2	<5	189	<2	3	6	12	1.99	488	1	3	<2	<5	25
P-L24N 12+50E	<5	<0.2	<5	133	2	3	10	41	1.84	134	<1	5	2	<5	34
P-L24N 13+00E	<5	<0.2	<5	135	<2	3	10	13	1.41	169	1	5	5	<5	28
P-L24N 13+50E	<5	<0.2	6	116	2	3	10	8	1.71	130	<1	4	3	<5	31
P-L24N 14+00E	<5	0.2	9	184	4	4	10	14	1.99	326	<1	6	4	<5	66
P-L24N 14+50E	<5	0.4	10	248	3	5	8	61	2.03	272	1	5	2	<5	37
P-L24N 15+00E	<5	<0.2	6	278	<2	5	9	13	2.09	271	<1	5	<2	<5	51
P-L23N 5+00E	<5	0.2	<5	154	<2	6	7	47	1.63	575	<1	4	6	<5	37
P-L23N 5+50E	<5	<0.2	8	177	3	6	8	45	2.04	420	1	6	2	<5	28
P-L23N 6+00E	<5	<0.2	7	274	<2	7	11	41	2.06	1356	2	7	8	<5	65
P-L23N 6+50E	<5	<0.2	5	128	<2	6	5	21	1.60	659	<1	5	<2	<5	39
P-L23N 7+00E	<5	<0.2	6	56	2	4	9	10	1.56	471	<1	5	5	<5	33
P-L23N 7+50E	<5	<0.2	6	58	3	4	7	9	1.49	1142	<1	5	9	<5	45
P-L23N 8+00E	<5	<0.2	<5	102	<2	4	8	10	1.48	727	<1	4	4	<5	34
P-L23N 8+50E	<5	<0.2	<5	222	<2	5	8	14	1.85	1186	<1	6	8	<5	43
P-L23N 9+00E	<5	<0.2	5	188	3	5	10	15	1.92	566	<1	4	8	<5	34
P-L23N 9+50E	<5	<0.2	7	112	3	8	7	78	2.15	1414	<1	5	8	<5	43
P-L23N 10+00E	<5	<0.2	7	67	<2	6	10	14	2.52	417	2	7	<2	<5	55
P-L23N 10+50E	<5	<0.2	7	46	<2	4	12	11	2.35	130	2	6	<2	<5	25
P-L23N 11+00E	<5	<0.2	7	158	<2	8	8	21	2.11	1685	2	6	6	<5	67
P-L23N 11+50E	<5	<0.2	6	164	2	4	6	16	1.82	998	1	5	<2	<5	46
P-L23N 12+00E	<5	<0.2	5	111	<2	4	6	13	1.64	321	<1	4	<2	<5	29
P-L23N 12+50E	<5	0.2	8	106	<2	3	10	8	1.68	328	<1	6	5	<5	37
P-L23N 13+00E	<5	0.2	7	153	4	9	7	61	3.47	940	1	5	<2	<5	48
P-L23N 13+50E	<5	0.8	9	115	<2	5	8	14	1.82	519	1	6	4	<5	49

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L24N 5+00E	<0.5	<1	15	8	6	11	3	2	<20	10	<10	<10	43	2	6
P-L24N 5+50E	<0.5	<1	34	11	14	14	3	2	<20	11	<10	<10	37	10	4
P-L24N 6+00E	<0.5	<1	27	11	8	18	3	3	<20	13	<10	<10	39	4	14
P-L24N 6+50E	<0.5	<1	11	12	5	37	3	4	<20	11	<10	<10	74	4	2
P-L24N 7+00E	<0.5	<1	12	8	5	17	3	2	<20	8	<10	<10	50	3	1
P-L24N 7+50E	<0.5	<1	19	11	7	16	3	2	<20	11	<10	<10	49	2	3
P-L24N 8+00E	<0.5	<1	21	7	8	8	3	1	<20	6	<10	<10	37	2	4
P-L24N 8+50E	<0.5	<1	17	9	7	11	2	1	<20	9	<10	<10	32	4	<1
P-L24N 9+00E	<0.5	<1	53	8	14	17	3	3	<20	9	<10	<10	44	9	3
P-L24N 9+50E	<0.5	<1	27	13	10	21	2	2	<20	16	<10	<10	58	4	<1
P-L24N 10+00E	<0.5	<1	20	8	8	26	1	3	<20	7	<10	<10	50	3	<1
P-L24N 10+50E	<0.5	<1	16	9	6	19	3	2	<20	6	<10	<10	50	2	3
P-L24N 11+00E	<0.5	<1	28	7	12	9	4	2	<20	5	<10	<10	36	4	6
P-L24N 11+50E	<0.5	<1	17	9	7	11	3	1	<20	5	<10	<10	38	2	3
P-L24N 12+00E	<0.5	<1	39	6	24	4	1	1	<20	7	<10	<10	35	2	<1
P-L24N 12+50E	<0.5	<1	23	7	9	8	3	1	<20	8	<10	<10	34	2	8
P-L24N 13+00E	<0.5	<1	51	6	15	8	4	1	<20	9	<10	<10	24	7	2
P-L24N 13+50E	<0.5	<1	21	8	9	8	3	<1	<20	6	<10	<10	27	3	5
P-L24N 14+00E	<0.5	<1	15	9	7	10	3	1	<20	7	<10	<10	32	2	10
P-L24N 14+50E	<0.5	<1	20	8	9	12	2	<1	<20	16	<10	<10	27	2	<1
P-L24N 15+00E	<0.5	<1	20	7	9	12	2	1	<20	8	<10	<10	37	2	1
P-L23N 5+00E	<0.5	<1	14	9	5	12	3	1	<20	12	<10	<10	29	2	<1
P-L23N 5+50E	<0.5	<1	37	9	18	20	3	3	<20	14	<10	<10	32	20	20
P-L23N 6+00E	<0.5	<1	23	11	10	30	3	2	<20	17	<10	<10	40	5	<1
P-L23N 6+50E	<0.5	<1	8	8	3	15	2	2	<20	12	<10	<10	31	2	1
P-L23N 7+00E	<0.5	<1	14	8	5	8	2	1	<20	6	<10	<10	32	2	<1
P-L23N 7+50E	<0.5	<1	6	8	3	9	2	1	<20	6	<10	<10	29	1	<1
P-L23N 8+00E	<0.5	<1	10	7	5	9	2	1	<20	6	<10	<10	34	1	<1
P-L23N 8+50E	<0.5	<1	17	9	7	10	1	1	<20	14	<10	<10	36	3	<1
P-L23N 9+00E	<0.5	<1	21	8	8	12	2	1	<20	9	<10	<10	36	3	<1
P-L23N 9+50E	<0.5	<1	22	9	10	15	2	2	<20	10	<10	<10	45	8	<1
P-L23N 10+00E	<0.5	<1	10	9	4	13	2	3	<20	5	<10	<10	48	2	13
P-L23N 10+50E	<0.5	<1	15	7	7	14	3	2	<20	5	<10	<10	41	2	15
P-L23N 11+00E	<0.5	<1	26	10	11	15	2	2	<20	9	<10	<10	35	4	<1
P-L23N 11+50E	<0.5	<1	12	8	6	12	1	1	<20	6	<10	<10	33	1	<1
P-L23N 12+00E	<0.5	<1	15	6	6	8	1	1	<20	5	<10	<10	32	1	<1
P-L23N 12+50E	<0.5	<1	15	6	7	8	2	1	<20	6	<10	<10	28	2	10
P-L23N 13+00E	<0.5	<1	46	5	15	7	<1	3	<20	3	<10	<10	35	7	3
P-L23N 13+50E	<0.5	<1	10	8	4	9	2	1	<20	5	<10	<10	27	2	13

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L23N 14+00E	<5	0.3	<5	83	<2	4	11	11	2.06	180	1	6	4	<5	37
P-L22N 5+00E	<5	0.3	9	221	2	8	11	59	2.69	335	2	9	<2	<5	40
P-L22N 5+50E	<5	<0.2	7	77	<2	5	11	19	2.26	410	<1	5	3	<5	44
P-L22N 6+00E	<5	<0.2	5	140	<2	6	9	31	2.37	356	1	4	<2	<5	60
P-L22N 6+50E	<5	0.2	11	68	<2	8	13	88	2.76	589	3	9	<2	<5	50
P-L22N 7+00E	<5	0.5	7	112	2	4	10	27	2.08	850	1	7	4	<5	52
P-L22N 7+50E	<5	<0.2	7	55	<2	4	9	12	1.91	581	<1	5	7	<5	40
P-L22N 8+00E	<5	0.2	6	101	3	5	11	15	2.16	631	1	6	5	<5	48
P-L22N 8+50E	<5	<0.2	<5	128	<2	5	8	17	1.62	964	<1	5	9	<5	38
P-L22N 9+00E	<5	<0.2	<5	161	<2	4	8	12	1.69	635	<1	4	2	<5	36
P-L22N 9+50E	<5	<0.2	6	133	3	5	12	18	2.63	407	2	8	2	<5	50
P-L22N 10+00E	<5	0.2	<5	194	<2	5	7	11	1.69	738	2	5	<2	<5	36
P-L22N 10+50E	<5	<0.2	6	133	2	5	9	12	1.91	694	<1	6	4	<5	52
P-L22N 11+00E	<5	<0.2	6	293	<2	9	6	57	2.44	2066	1	6	<2	<5	49
P-L22N 11+50E	<5	<0.2	7	274	<2	7	8	20	2.17	769	1	6	5	<5	50
P-L22N 12+00E	<5	0.2	6	175	3	6	10	58	2.22	827	1	7	5	<5	51
P-L22N 12+50E	<5	0.3	6	84	<2	5	13	16	2.21	404	2	7	7	<5	42
P-L22N 13+00E	<5	1.4	7	106	<2	4	8	32	1.88	404	<1	6	<2	<5	51
P-L22N 13+50E	<5	0.3	<5	264	<2	4	11	10	1.92	439	<1	6	<2	<5	46
P-L22 14+00E	<5	0.3	8	281	<2	10	59	22	2.67	1119	<1	45	8	<5	76
P-L21 5+00E	82	0.3	9	173	<2	17	15	237	3.57	1761	8	10	<2	<5	80
P-L21 5+50E	<5	<0.2	6	192	2	10	12	32	3.30	1067	3	7	<2	<5	57
P-L21 6+00E	<5	0.2	6	137	<2	7	7	19	2.93	913	10	9	<2	<5	46
P-L21 6+50E	<5	<0.2	6	115	<2	6	9	18	1.89	1319	<1	6	6	<5	42
P-L21 7+00E	<5	<0.2	6	124	<2	5	8	11	1.78	1709	<1	5	<2	<5	44
P-L21 7+50E	<5	0.3	10	152	<2	6	11	100	2.75	321	8	10	<2	<5	36
P-L21 8+00E	<5	0.2	6	184	3	12	7	21	3.37	1647	27	7	<2	<5	61
P-L21 8+50E	<5	0.2	5	120	<2	6	9	25	2.07	1214	2	6	8	<5	50
P-L21 9+00E	<5	0.3	6	148	<2	9	15	122	3.51	429	4	12	7	<5	60
P-L21 9+50E	<5	0.7	6	293	<2	8	12	141	2.72	1346	6	8	6	<5	46
P-L21 10+00E	<5	0.4	7	446	3	18	10	65	3.20	1548	8	7	8	<5	48
P-L21 10+50E	<5	0.2	6	426	<2	13	7	46	3.68	758	5	7	<2	<5	75
P-L21 11+00E	<5	0.4	7	533	4	8	8	37	2.70	629	5	10	6	<5	71
P-L21 11+50E	<5	0.2	<5	165	<2	6	12	21	2.65	596	2	8	4	<5	41
P-L21 12+00E	<5	<0.2	<5	116	<2	6	12	12	2.48	490	2	8	5	<5	38
P-L21 12+50E	<5	0.2	<5	236	<2	8	12	15	2.67	564	<1	9	3	<5	54
P-L21 13+00E	<5	<0.2	<5	131	<2	7	14	20	2.07	1485	<1	9	<2	<5	93

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L23N 14+00E	<0.5	<1	18	6	9	10	3	<1	<20	5	<10	<10	34	2	1
P-L22N 5+00E	<0.5	<1	45	9	8	30	3	2	<20	14	<10	<10	39	6	20
P-L22N 5+50E	<0.5	<1	19	6	7	14	2	1	<20	9	<10	<10	41	2	1
P-L22N 6+00E	<0.5	<1	13	8	5	21	2	1	<20	9	<10	<10	51	2	<1
P-L22N 6+50E	<0.5	<1	32	9	8	19	3	3	<20	9	<10	<10	48	5	9
P-L22N 7+00E	<0.5	<1	14	11	5	13	3	1	<20	6	<10	<10	40	2	4
P-L22N 7+50E	<0.5	<1	15	8	6	10	2	1	<20	5	<10	<10	40	2	<1
P-L22N 8+00E	<0.5	<1	21	9	10	11	2	2	<20	7	<10	<10	42	4	2
P-L22N 8+50E	<0.5	<1	17	9	7	11	2	1	<20	11	<10	<10	32	4	<1
P-L22N 9+00E	<0.5	<1	14	7	6	10	2	1	<20	13	<10	<10	35	2	<1
P-L22N 9+50E	<0.5	<1	27	9	10	14	2	2	<20	8	<10	<10	45	4	1
P-L22N 10+00E	<0.5	<1	16	7	5	12	2	1	<20	13	<10	<10	34	2	<1
P-L22N 10+50E	<0.5	<1	17	8	6	12	2	2	<20	8	<10	<10	36	2	<1
P-L22N 11+00E	<0.5	<1	28	11	9	18	1	1	<20	12	<10	<10	37	5	<1
P-L22N 11+50E	<0.5	<1	21	7	9	15	2	1	<20	11	<10	<10	33	2	<1
P-L22N 12+00E	<0.5	<1	22	7	7	16	2	1	<20	10	<10	<10	36	3	<1
P-L22N 12+50E	<0.5	<1	26	9	10	10	4	1	<20	8	<10	<10	37	2	2
P-L22N 13+00E	<0.5	<1	12	9	5	10	2	1	<20	5	<10	<10	30	2	7
P-L22N 13+50E	<0.5	<1	18	6	9	10	2	<1	<20	10	<10	<10	30	2	<1
P-L22 14+00E	<0.5	<1	52	12	26	26	3	2	<20	27	<10	<10	44	5	3
P-L21 5+00E	<0.5	<1	34	12	12	26	2	3	<20	12	<10	<10	66	9	1
P-L21 5+50E	<0.5	<1	30	12	12	26	2	4	<20	10	<10	<10	67	7	<1
P-L21 6+00E	<0.5	<1	10	9	5	15	1	2	<20	9	<10	<10	85	2	<1
P-L21 6+50E	<0.5	<1	20	9	10	11	2	<1	<20	9	<10	<10	40	4	<1
P-L21 7+00E	<0.5	<1	17	7	5	10	<1	1	<20	8	<10	<10	40	2	<1
P-L21 7+50E	<0.5	<1	43	11	13	18	3	3	<20	10	<10	<10	46	14	54
P-L21 8+00E	<0.5	<1	12	10	4	20	2	2	<20	9	<10	<10	86	3	<1
P-L21 8+50E	<0.5	<1	15	11	6	14	3	<1	<20	11	<10	<10	36	4	<1
P-L21 9+00E	<0.5	<1	82	12	18	35	4	3	<20	11	<10	<10	53	15	13
P-L21 9+50E	<0.5	<1	45	15	43	16	4	2	<20	26	<10	<10	45	39	5
P-L21 10+00E	<0.5	<1	59	13	33	18	2	3	<20	22	<10	<10	51	26	1
P-L21 10+50E	<0.5	<1	27	11	13	17	2	2	<20	30	<10	<10	46	2	1
P-L21 11+00E	<0.5	<1	28	12	10	15	3	2	<20	15	<10	<10	38	4	15
P-L21 11+50E	<0.5	<1	47	6	18	30	<1	2	<20	19	<10	<10	44	8	9
P-L21 12+00E	<0.5	<1	27	6	9	14	<1	1	<20	9	<10	<10	44	2	3
P-L21 12+50E	<0.5	<1	11	10	4	18	<1	2	<20	25	<10	<10	40	2	12
P-L21 13+00E	<0.5	<1	-5	7	3	20	<1	2	<20	14	<10	<10	38	2	<1

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L20N 5+00E	<5	0.4	<5	185	<2	10	13	76	3.06	763	4	9	<2	<5	46
P-L20N 5+50E	<5	0.5	<5	241	<2	13	12	122	2.78	449	3	8	<2	<5	42
P-L20N 6+00E	<5	0.6	<5	205	<2	8	10	97	2.34	745	7	9	5	<5	32
P-L20N 6+50E	<5	0.2	<5	129	<2	9	12	21	2.70	896	2	7	<2	<5	53
P-L20N 7+00E	<5	0.2	<5	107	<2	5	11	14	1.94	766	1	7	<2	<5	44
P-L20N 7+50E	<5	0.2	<5	76	<2	3	8	10	1.71	884	<1	4	<2	<5	46
P-L20N 8+00E	<5	0.4	<5	145	<2	5	12	17	2.40	508	2	8	3	<5	54
P-L20N 8+50E	<5	0.2	<5	142	<2	5	4	75	1.36	572	<1	3	<2	<5	34
P-L20N 9+00E	<5	0.2	<5	414	<2	9	10	78	3.01	826	1	9	<2	<5	76
P-L20N 9+50E	7	0.7	<5	646	<2	16	10	170	3.27	3026	3	7	4	<5	109
P-L20N 10+00E	<5	0.2	<5	126	<2	9	6	45	2.22	1752	<1	5	8	<5	50
P-L20N 10+50E	<5	<0.2	<5	135	<2	8	8	28	2.35	929	<1	6	3	<5	52
P-L20N 11+00E	<5	0.4	<5	122	<2	4	10	30	2.28	669	<1	6	<2	<5	66
P-L20N 11+50E	<5	0.4	<5	124	<2	4	9	28	2.01	235	1	5	4	<5	30
P-L20N 12+00E	<5	0.7	<5	224	<2	6	13	36	2.21	313	2	8	8	<5	69
P-L19N 5+00E	<5	<0.2	<5	89	<2	6	13	20	2.47	514	<1	8	4	<5	49
P-L19N 5+50E	<5	<0.2	<5	74	<2	6	13	30	2.72	572	2	8	4	<5	46
P-L19N 6+00E	<5	<0.2	<5	57	<2	5	16	23	2.54	417	1	8	3	<5	43
P-L19N 6+50E	<5	0.2	<5	192	<2	7	11	22	2.32	1048	<1	9	5	<5	63
P-L19N 7+00E	<5	<0.2	<5	125	<2	5	8	13	1.57	1583	<1	6	11	<5	38
P-L19N 7+50E	<5	<0.2	<5	268	<2	6	10	37	1.86	844	2	6	4	<5	44
P-L19N 8+00E	<5	0.3	13	197	<2	6	9	23	2.09	1401	2	7	10	<5	54
P-L19N 8+50E	<5	0.2	8	310	<2	7	5	21	1.49	1729	<1	4	6	<5	52
P-L19N 9+00E	<5	0.6	<5	453	<2	6	10	69	2.15	1501	3	7	10	<5	91
P-L19N 9+50E	<5	0.5	<5	258	<2	4	8	98	2.57	170	2	5	7	<5	31
P-L19N 10+00E	<5	0.6	7	241	<2	4	5	124	1.04	967	<1	5	14	<5	35
P-L19N 10+50E	7	0.6	<5	192	<2	8	11	101	2.30	617	<1	7	6	<5	57
P-L19N 11+00E	<5	1.3	<5	445	<2	8	50	65	2.96	1669	2	12	4	<5	62
P-L19N 11+50E	<5	0.8	<5	400	<2	7	16	41	2.25	1118	<1	9	7	<5	63
P-L19N 12+00E	<5	0.4	<5	130	<2	5	8	10	1.90	808	<1	7	4	<5	160
P-L18N 5+00E	<5	<0.2	<5	247	<2	5	12	14	2.36	487	1	8	8	<5	56
P-L18N 5+50E	<5	<0.2	<5	109	<2	4	9	12	2.01	972	<1	6	4	<5	64
P-L18N 6+00E	6	<0.2	<5	244	<2	8	13	23	2.92	1325	1	8	3	<5	66
P-L18N 6+50E	<5	<0.2	<5	413	<2	6	10	15	2.28	1235	<1	6	5	<5	60
P-L18N 7+00E	<5	0.2	<5	178	<2	6	8	78	1.80	1362	1	5	6	<5	47
P-L18N 7+50E	<5	0.2	<5	301	<2	8	7	46	1.94	1482	3	6	5	<5	57
P-L18N 8+00E	<5	0.3	<5	149	<2	6	12	89	2.74	388	3	11	4	<5	51
P-L18N 8+50E	<5	0.4	<5	218	<2	8	10	62	2.52	1151	2	6	8	<5	45

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L20N 5+00E	<0.5	<1	54	11	33	27	<1	5	<20	21	<10	<10	49	33	23
P-L20N 5+50E	<0.5	<1	59	8	43	17	<1	5	<20	24	<10	<10	44	40	17
P-L20N 6+00E	<0.5	<1	69	12	33	17	<1	4	<20	16	<10	<10	43	38	68
P-L20N 6+50E	<0.5	<1	26	6	10	18	<1	2	<20	11	<10	<10	51	5	2
P-L20N 7+00E	<0.5	<1	13	5	6	11	<1	1	<20	6	<10	<10	38	2	2
P-L20N 7+50E	<0.5	<1	15	5	7	8	<1	<1	<20	6	<10	<10	39	2	<1
P-L20N 8+00E	<0.5	<1	12	8	7	15	<1	2	<20	7	<10	<10	48	2	2
P-L20N 8+50E	<0.5	<1	8	4	4	6	<1	<1	<20	6	<10	<10	29	2	<1
P-L20N 9+00E	<0.5	<1	29	8	13	25	<1	2	<20	15	<10	<10	49	3	<1
P-L20N 9+50E	<0.5	1	24	12	10	24	<1	3	<20	38	<10	<10	45	7	1
P-L20N 10+00E	<0.5	<1	19	8	8	15	<1	1	<20	16	<10	<10	33	10	<1
P-L20N 10+50E	<0.5	<1	9	8	5	18	<1	2	<20	14	<10	<10	44	2	<1
P-L20N 11+00E	<0.5	<1	13	8	6	16	<1	2	<20	19	<10	<10	39	2	2
P-L20N 11+50E	<0.5	<1	22	7	13	13	1	2	<20	19	<10	<10	33	6	10
P-L20N 12+00E	<0.5	<1	13	7	4	26	<1	1	<20	15	<10	<10	33	2	6
P-L19N 5+00E	<0.5	<1	20	7	8	13	<1	2	<20	7	<10	<10	45	3	7
P-L19N 5+50E	<0.5	<1	29	6	12	14	<1	2	<20	6	<10	<10	47	5	4
P-L19N 6+00E	<0.5	<1	24	4	10	11	<1	2	<20	6	<10	<10	49	3	3
P-L19N 6+50E	<0.5	<1	15	9	6	13	<1	2	<20	7	<10	<10	41	3	11
P-L19N 7+00E	<0.5	<1	12	6	5	8	<1	<1	<20	10	<10	<10	33	2	<1
P-L19N 7+50E	<0.5	<1	25	7	11	15	<1	1	<20	17	<10	<10	36	6	<1
P-L19N 8+00E	<0.5	<1	44	8	16	13	<1	1	<20	17	<10	<10	38	6	2
P-L19N 8+50E	<0.5	<1	17	8	7	9	<1	1	<20	22	<10	<10	27	5	<1
P-L19N 9+00E	<0.5	1	57	10	31	24	<1	2	<20	26	<10	<10	35	33	3
P-L19N 9+50E	<0.5	<1	25	11	29	12	1	2	<20	28	<10	<10	38	18	14
P-L19N 10+00E	<0.5	1	26	7	36	12	<1	1	<20	138	<10	<10	19	18	1
P-L19N 10+50E	<0.5	<1	24	8	21	24	<1	2	<20	52	<10	<10	38	9	2
P-L19N 11+00E	<0.5	<1	59	13	29	67	1	4	<20	152	<10	<10	55	14	16
P-L19N 11+50E	<0.5	<1	26	10	23	46	2	2	<20	163	<10	<10	38	12	3
P-L19N 12+00E	<0.5	<1	19	8	4	12	<1	2	<20	14	<10	<10	27	3	22
P-L18N 5+00E	<0.5	<1	50	8	19	20	<1	2	<20	23	<10	<10	43	8	5
P-L18N 5+50E	<0.5	<1	23	6	16	11	<1	<1	<20	9	<10	<10	40	5	<1
P-L18N 6+00E	<0.5	<1	23	10	11	18	<1	2	<20	22	<10	<10	58	4	<1
P-L18N 6+50E	<0.5	<1	23	10	10	15	<1	2	<20	17	<10	<10	46	4	1
P-L18N 7+00E	<0.5	<1	16	8	7	10	<1	1	<20	9	<10	<10	33	3	1
P-L18N 7+50E	<0.5	<1	31	6	23	13	<1	2	<20	25	<10	<10	31	12	1
P-L18N 8+00E	<0.5	<1	27	7	12	19	<1	2	<20	11	<10	<10	34	4	12
P-L18N 8+50E	<0.5	<1	44	10	14	15	<1	1	<20	15	<10	<10	34	6	2

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L18N 9+00E	<5	0.5	<5	284	<2	11	13	125	3.58	1030	2	9	7	<5	104
P-L18N 9+50E	<5	0.6	<5	255	<2	9	15	214	2.89	661	<1	7	<2	<5	51
P-L18N 10+00E	<5	0.6	<5	151	<2	8	11	64	2.69	564	1	9	5	<5	63
P-L18N 10+50E	<5	0.4	<5	227	<2	7	11	103	2.28	1182	<1	10	25	<5	100
P-L18N 11+00E	<5	0.5	<5	115	<2	5	14	18	2.19	626	1	8	14	<5	68
P-L18N 11+50E	<5	0.3	<5	152	<2	6	10	44	2.72	590	<1	5	11	<5	71
P-L18N 12+00E	<5	<0.2	<5	193	<2	5	10	9	2.26	305	<1	8	24	<5	128
P-L17N 5+00E	<5	<0.2	<5	336	<2	4	8	12	1.94	544	1	7	7	<5	47
P-L17N 5+50E	<5	0.2	<5	358	<2	6	10	27	2.30	1626	1	7	16	<5	75
P-L17N 6+00E	<5	<0.2	<5	140	<2	6	11	21	2.17	1275	1	8	3	<5	70
P-L17N 6+50E	<5	0.3	<5	272	<2	8	13	60	3.03	1610	3	11	3	<5	74
P-L17N 7+00E	<5	<0.2	<5	235	<2	7	11	28	2.42	1284	1	7	4	<5	56
P-L17N 7+50E	<5	0.3	<5	253	<2	8	12	115	2.62	1307	1	10	24	<5	111
P-L17N 8+00E	<5	<0.2	<5	126	<2	6	16	20	2.38	682	<1	9	12	<5	74
P-L17N 8+50E	<5	0.2	<5	172	<2	7	12	50	3.08	667	<1	7	14	<5	81
P-L17N 9+00E	<5	0.2	<5	225	<2	9	19	81	3.47	862	2	11	15	<5	83
P-L17N 9+50E	<5	0.3	<5	158	<2	6	13	49	2.75	596	<1	7	4	<5	68
P-L17N 10+00E	7	0.3	<5	295	<2	12	15	89	4.05	883	<1	9	5	<5	97
P-L17N 10+50E	19	0.6	<5	153	<2	8	15	228	2.98	867	1	8	22	<5	78
P-L17N 11+00E	<5	0.2	<5	163	<2	5	13	27	2.22	646	<1	9	5	<5	75
P-L17N 11+50E	7	0.2	<5	129	<2	4	9	10	1.72	485	1	8	18	<5	99
P-L17N 12+00E	<5	<0.2	<5	174	<2	4	8	8	1.54	931	<1	7	27	<5	112
P-L16N 5+00E	14	<0.2	<5	161	<2	5	7	15	1.46	1483	<1	4	5	<5	55
P-L16N 5+50E	6	<0.2	<5	265	<2	6	13	33	2.52	588	1	7	8	<5	62
P-L16N 6+00E	<5	0.2	<5	170	<2	8	12	49	2.55	1373	1	7	5	<5	66
P-L16N 6+50E	<5	<0.2	<5	399	<2	9	7	41	2.36	1687	<1	6	8	<5	58
P-L16N 7+00E	<5	<0.2	<5	127	<2	7	15	29	2.29	1143	2	8	7	<5	51
P-L16N 7+50E	<5	<0.2	9	359	<2	7	9	15	2.11	1857	<1	6	12	<5	63
P-L16N 8+00E	<5	0.2	<5	200	<2	7	12	40	3.19	853	2	9	8	<5	63
P-L16N 8+50E	10	0.2	<5	187	<2	11	8	86	2.97	2030	<1	6	<2	<5	65
P-L16N 9+00E	<5	0.3	<5	237	<2	7	11	41	3.02	413	1	8	2	<5	54
P-L16N 9+50E	<5	0.3	108	170	<2	5	8	19	2.15	626	3	6	9	<5	74
P-L16N 10+00E	5	<0.2	47	260	<2	8	7	33	2.43	830	2	5	<2	<5	66
P-L16N 10+50E	45	0.4	<5	137	<2	9	8	51	2.68	834	<1	6	4	<5	74
P-L16N 11+00E	9	0.7	<5	152	<2	7	17	62	2.88	530	1	9	12	<5	96
P-L16N 11+50E	<5	<0.2	<5	94	<2	3	9	7	1.50	319	<1	5	16	<5	45
P-L16N 12+00E	<5	0.6	<5	98	<2	4	15	11	2.22	133	1	9	11	<5	53
P-L16N 12+50E	<5	<0.2	<5	213	<2	7	33	11	2.09	406	<1	26	6	<5	100

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L18N 9+00E	<0.5	<1	29	11	14	37	<1	2	<20	22	<10	<10	50	6	<1
P-L18N 9+50E	<0.5	<1	34	8	20	42	<1	3	<20	45	<10	<10	48	11	3
P-L18N 10+00E	<0.5	<1	18	10	5	20	4	2	<20	18	<10	<10	44	3	15
P-L18N 10+50E	<0.5	<1	12	12	5	18	2	2	<20	22	<10	<10	40	3	6
P-L18N 11+00E	<0.5	<1	22	9	10	14	2	1	<20	11	<10	<10	39	3	1
P-L18N 11+50E	<0.5	<1	16	10	8	17	1	2	<20	23	<10	<10	53	3	<1
P-L18N 12+00E	<0.5	<1	26	11	13	22	2	2	<20	18	<10	<10	32	3	10
P-L17N 5+00E	<0.5	<1	30	10	10	11	<1	2	<20	38	<10	<10	29	6	25
P-L17N 5+50E	<0.5	<1	16	8	9	10	<1	1	<20	16	<10	<10	42	2	<1
P-L17N 6+00E	<0.5	<1	12	8	7	11	<1	1	<20	9	<10	<10	42	2	1
P-L17N 6+50E	<0.5	<1	45	11	36	20	<1	3	<20	29	<10	<10	52	19	5
P-L17N 7+00E	<0.5	<1	22	8	10	12	<1	1	<20	12	<10	<10	44	2	<1
P-L17N 7+50E	<0.5	<1	14	13	6	20	<1	2	<20	25	<10	<10	44	3	7
P-L17N 8+00E	<0.5	<1	25	9	10	16	1	2	<20	12	<10	<10	43	3	2
P-L17N 8+50E	<0.5	<1	21	10	9	19	1	2	<20	26	<10	<10	60	3	1
P-L17N 9+00E	<0.5	<1	42	10	14	23	1	2	<20	19	<10	<10	57	5	1
P-L17N 9+50E	<0.5	<1	21	7	9	15	<1	1	<20	13	<10	<10	47	4	3
P-L17N 10+00E	<0.5	<1	17	12	8	36	1	4	<20	36	<10	<10	74	5	2
P-L17N 10+50E	<0.5	<1	17	10	8	24	<1	2	<20	31	<10	<10	55	3	<1
P-L17N 11+00E	<0.5	<1	23	9	9	15	<1	2	<20	20	<10	<10	40	3	7
P-L17N 11+50E	<0.5	<1	28	8	11	17	1	1	<20	23	<10	<10	26	2	3
P-L17N 12+00E	<0.5	<1	38	8	18	14	3	1	<20	25	<10	<10	23	3	2
P-L16N 5+00E	<0.5	<1	15	7	6	8	<1	<1	<20	10	<10	<10	30	3	<1
P-L16N 5+50E	<0.5	<1	45	9	24	14	<1	3	<20	28	<10	<10	39	18	16
P-L16N 6+00E	<0.5	<1	28	9	11	11	<1	2	<20	13	<10	<10	45	4	2
P-L16N 6+50E	<0.5	<1	20	7	10	9	<1	2	<20	18	<10	<10	38	4	<1
P-L16N 7+00E	<0.5	<1	26	8	13	12	<1	1	<20	9	<10	<10	44	5	1
P-L16N 7+50E	<0.5	<1	12	8	6	12	<1	1	<20	19	<10	<10	45	2	<1
P-L16N 8+00E	<0.5	<1	32	9	9	32	<1	3	<20	24	<10	<10	47	7	5
P-L16N 8+50E	<0.5	<1	7	8	4	25	<1	2	<20	19	<10	<10	47	3	<1
P-L16N 9+00E	<0.5	<1	21	8	6	18	<1	2	<20	11	<10	<10	42	2	9
P-L16N 9+50E	<0.5	1	12	10	5	11	<1	2	<20	10	<10	<10	31	3	23
P-L16N 10+00E	<0.5	<1	14	8	7	22	<1	2	<20	33	<10	<10	39	4	<1
P-L16N 10+50E	<0.5	<1	42	9	17	22	1	3	<20	50	<10	<10	41	9	1
P-L16N 11+00E	<0.5	<1	39	8	18	37	<1	3	<20	73	<10	<10	42	8	3
P-L16N 11+50E	<0.5	<1	53	7	21	9	<1	<1	<20	14	<10	<10	24	2	1
P-L16N 12+00E	<0.5	<1	26	8	14	11	<1	1	<20	8	<10	<10	37	2	12
P-L16N 12+50E	<0.5	<1	21	11	11	24	2	3	<20	29	<10	<10	42	4	11
P-L16N 13+00E	<0.5	<1	23	11	11	15	3	2	<20	23	<10	<10	50	3	6

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L16N 13+00E	7	<0.2	<5	65	<2	8	24	10	2.62	555	1	21	3	<5	48
P-L15N 5+00E	9	<0.2	<5	419	<2	5	13	14	2.32	520	1	11	10	<5	53
P-L15N 5+50E	23	<0.2	<5	132	<2	5	13	26	2.67	218	1	8	12	<5	46
P-L15N 6+00E	13	<0.2	8	298	<2	6	8	21	1.84	1541	<1	6	9	<5	53
P-L15N 6+50E	7	<0.2	<5	524	<2	8	8	24	2.57	2484	1	6	8	<5	92
P-L15N 7+00E	11	0.4	<5	325	<2	7	11	52	2.67	1408	1	8	8	<5	60
P-L15N 7+50E	6	0.2	24	165	<2	3	7	12	1.90	436	3	5	14	<5	41
P-L15N 8+00E	18	0.4	<5	135	<2	7	13	63	3.09	735	1	9	5	<5	54
P-L15N 8+50E	15	<0.2	<5	298	<2	7	7	57	2.20	1069	<1	5	<2	<5	50
P-L15N 9+00E	21	1.2	42	303	<2	9	11	156	3.07	863	2	8	<2	<5	57
P-L15N 9+50E	6	0.3	<5	133	<2	4	6	23	1.52	420	<1	4	<2	<5	39
P-L15N 10+00E	<5	0.3	19	165	<2	5	9	33	1.82	574	1	4	10	<5	73
P-L15N 10+50E	15	0.3	<5	155	<2	5	8	11	1.90	565	1	8	17	<5	114
P-L15N 11+00E	7	<0.2	<5	148	<2	4	9	10	1.81	395	<1	5	20	<5	90
P-L15N 11+50E	8	0.3	<5	352	<2	8	10	24	2.30	770	2	14	8	<5	126
P-L15N 12+00E	<5	0.2	<5	205	<2	8	15	22	2.42	1048	<1	18	<2	<5	110
P-L15N 12+50E	<5	<0.2	<5	166	<2	4	18	14	1.37	824	<1	12	7	<5	25
P-L14N 5+00E	<5	<0.2	<5	283	<2	7	9	37	2.60	1220	1	7	6	<5	67
P-L14N 5+50E	<5	<0.2	5	468	<2	9	7	47	2.26	2100	<1	5	11	<5	55
P-L14N 6+00E	6	0.2	7	377	<2	9	6	17	1.68	3086	1	5	18	<5	42
P-L14N 6+50E	9	0.3	<5	279	<2	9	11	44	2.64	2370	3	8	12	<5	65
P-L14N 7+00E	9	<0.2	<5	136	<2	6	11	19	2.17	1109	4	9	11	<5	55
P-L14N 7+50E	8	0.2	20	198	<2	10	6	10	1.65	4227	14	4	13	<5	62
P-L14N 8+00E	<5	0.2	<5	231	<2	9	11	19	2.67	1404	3	11	4	<5	87
P-L14N 8+50E	<5	0.2	6	346	<2	5	4	23	0.97	4347	<1	5	8	<5	101
P-L14N 9+00E	<5	0.3	<5	393	<2	8	11	62	2.78	1402	2	7	5	<5	135
P-L14N 9+50E	<5	<0.2	38	202	<2	6	9	37	2.24	541	1	12	9	<5	167
P-L14N 10+00E	7	0.2	<5	123	<2	5	11	13	2.13	470	<1	8	21	<5	134
P-L14N 10+50E	<5	<0.2	<5	135	<2	4	15	8	1.48	414	<1	7	10	<5	93
P-L14N 11+00E	5	0.3	<5	121	<2	10	12	22	2.30	605	1	10	12	<5	90
P-L14N 11+50E	<5	<0.2	<5	173	<2	3	6	7	1.52	622	<1	4	24	<5	91
P-L14N 12+00E	<5	<0.2	<5	196	<2	4	22	11	1.10	785	<1	12	7	<5	38
P-L13N 5+00E	<5	0.4	<5	772	<2	7	10	77	2.56	795	2	10	12	<5	62
P-L13N 5+50E	<5	0.3	<5	890	<2	10	10	106	3.47	1053	2	11	5	<5	126
P-L13N 6+00E	<5	<0.2	<5	353	<2	6	6	39	1.53	661	1	6	<2	<5	50
P-L13N 6+50E	<5	0.2	<5	577	<2	10	7	72	2.70	2525	3	7	7	<5	49
P-L13N 7+00E	<5	0.2	<5	365	<2	7	11	56	2.88	966	2	8	10	<5	65

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L15N 5+00E	<0.5	<1	27	7	15	8	<1	1	<20	25	<10	<10	33	3	1
P-L15N 5+50E	<0.5	<1	22	4	12	6	<1	1	<20	15	<10	<10	43	3	<1
P-L15N 6+00E	<0.5	<1	21	7	21	8	<1	1	<20	32	<10	<10	33	10	1
P-L15N 6+50E	<0.5	<1	22	8	9	7	<1	2	<20	19	<10	<10	36	3	<1
P-L15N 7+00E	<0.5	<1	39	7	38	12	<1	2	<20	27	<10	<10	39	21	3
P-L15N 7+50E	<0.5	<1	12	5	7	4	<1	<1	<20	14	<10	<10	31	1	2
P-L15N 8+00E	<0.5	<1	18	9	7	17	<1	2	<20	13	<10	<10	46	3	3
P-L15N 8+50E	<0.5	<1	14	<2	10	18	<1	1	<20	17	<10	<10	33	6	<1
P-L15N 9+00E	<0.5	<1	58	3	53	30	<1	3	<20	33	<10	<10	41	36	<1
P-L15N 9+50E	<0.5	<1	6	<2	3	6	<1	<1	<20	8	<10	<10	29	2	<1
P-L15N 10+00E	<0.5	<1	21	<2	12	21	<1	1	<20	53	<10	<10	29	3	1
P-L15N 10+50E	<0.5	<1	29	4	12	16	<1	1	<20	21	<10	<10	25	2	2
P-L15N 11+00E	<0.5	<1	48	3	22	13	<1	1	<20	19	<10	<10	26	2	1
P-L15N 11+50E	<0.5	2	54	6	20	12	<1	2	<20	25	<10	<10	35	7	21
P-L15N 12+00E	<0.5	<1	38	7	19	14	<1	2	<20	35	<10	<10	36	4	5
P-L15N 12+50E	<0.5	<1	54	4	25	13	<1	3	<20	46	<10	<10	28	6	7
P-L14N 5+00E	<0.5	<1	33	5	9	9	<1	2	<20	14	<10	<10	41	4	8
P-L14N 5+50E	<0.5	<1	23	5	13	5	2	1	<20	25	<10	<10	35	6	<1
P-L14N 6+00E	<0.5	<1	18	3	10	4	<1	<1	<20	22	<10	<10	22	5	<1
P-L14N 6+50E	<0.5	<1	22	7	11	10	<1	2	<20	15	<10	<10	40	4	7
P-L14N 7+00E	<0.5	<1	21	8	10	10	<1	2	<20	8	<10	<10	35	5	16
P-L14N 7+50E	<0.5	<1	37	5	15	6	<1	<1	<20	22	<10	<10	33	5	<1
P-L14N 8+00E	<0.5	<1	32	9	12	14	1	2	<20	28	<10	<10	39	4	17
P-L14N 8+50E	<0.5	2	24	<2	10	3	<1	<1	<20	56	<10	<10	18	5	1
P-L14N 9+00E	<0.5	<1	24	7	8	23	<1	2	<20	27	<10	<10	45	3	<1
P-L14N 9+50E	<0.5	1	29	9	6	21	<1	3	<20	39	<10	<10	38	6	18
P-L14N 10+00E	<0.5	<1	41	9	23	24	<1	2	<20	34	<10	<10	31	3	<1
P-L14N 10+50E	<0.5	<1	20	6	11	19	<1	1	<20	24	<10	<10	27	2	1
P-L14N 11+00E	<0.5	<1	37	8	17	17	<1	2	<20	28	<10	<10	47	3	1
P-L14N 11+50E	<0.5	<1	115	8	68	12	<1	<1	<20	68	<10	<10	23	4	<1
P-L14N 12+00E	<0.5	<1	36	5	17	10	<1	2	<20	49	<10	<10	23	4	1
P-L13N 5+00E	<0.5	<1	28	7	12	10	<1	2	<20	20	<10	<10	34	3	3
P-L13N 5+50E	<0.5	<1	27	6	13	12	<1	2	<20	37	<10	<10	39	3	3
P-L13N 6+00E	<0.5	<1	18	7	8	7	<1	1	<20	40	<10	<10	24	4	5
P-L13N 6+50E	<0.5	<1	25	5	13	7	<1	1	<20	26	<10	<10	39	3	<1
P-L13N 7+00E	<0.5	<1	29	7	14	14	<1	1	<20	26	<10	<10	46	3	1
P-L13N 7+50E	<0.5	<1	18	7	8	13	<1	1	<20	17	<10	<10	47	3	<1

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L13N 7+50E	53	0.2	<5	213	<2	7	10	56	2.31	1076	<1	6	10	<5	50
P-L13N 8+00E	<5	0.2	<5	271	<2	8	11	112	2.67	962	1	6	14	<5	80
P-L13N 8+50E	<5	0.4	<5	375	<2	9	14	36	2.88	1141	1	12	8	<5	82
P-L13N 9+00E	<5	0.2	<5	151	<2	5	12	12	1.57	560	<1	5	4	<5	71
P-L13N 9+50E	<5	<0.2	<5	177	<2	5	8	16	2.06	457	1	7	15	<5	106
P-L13N 10+00E	<5	0.2	<5	133	<2	5	11	13	2.10	395	1	10	9	<5	97
P-L13N 10+50E	<5	<0.2	<5	170	<2	5	16	13	2.22	554	1	9	14	<5	77
P-L13N 11+00E	6	0.3	<5	189	<2	7	21	32	2.27	555	1	17	14	<5	146
P-L13N 11+50E	<5	<0.2	<5	115	<2	2	9	9	0.70	612	<1	7	3	<5	26
P-L12N 5+00E	<5	<0.2	5	566	<2	16	7	93	3.40	2134	9	8	<2	<5	81
P-L12N 5+50E	12	<0.2	<5	665	<2	12	10	90	3.04	2595	2	9	13	<5	88
P-L12N 6+00E	<5	<0.2	<5	451	<2	4	5	28	1.32	1767	<1	4	5	<5	98
P-L12N 6+50E	<5	<0.2	<5	415	<2	6	8	35	2.15	2048	<1	7	6	<5	55
P-L12N 7+00E	<5	<0.2	<5	333	<2	6	9	67	2.33	1407	<1	6	9	<5	50
P-L12N 7+50E	<5	<0.2	<5	462	<2	6	7	55	2.07	2016	<1	5	4	<5	58
P-L12N 8+00E	<5	0.2	<5	167	<2	7	11	94	2.84	756	2	8	4	<5	66
P-L12N 8+50E	<5	<0.2	<5	409	<2	7	9	52	2.32	1568	1	7	3	<5	91
P-L12N 9+00E	<5	<0.2	<5	148	<2	4	11	14	1.97	429	<1	7	3	<5	87
P-L12N 9+50E	<5	0.2	<5	130	<2	4	10	9	1.81	636	<1	9	5	<5	84
P-L12N 10+00E	<5	<0.2	<5	214	<2	5	10	14	1.94	669	1	11	9	<5	160
P-L12N 10+50E	<5	0.2	<5	140	<2	4	11	12	1.94	226	<1	8	4	<5	78
P-L12N 11+00E	<5	<0.2	<5	122	<2	7	21	11	2.04	487	<1	25	8	<5	97
P-L12N 11+50E	<5	<0.2	<5	135	<2	12	65	18	2.34	1002	<1	55	10	<5	49
P-L11N 5+00E	<5	0.2	13	655	<2	5	7	34	1.56	1660	1	6	4	<5	62
P-L11N 5+50E	27	<0.2	16	386	<2	6	8	32	1.52	1890	1	8	2	<5	45
P-L11N 6+00E	8	0.2	13	193	<2	5	10	24	1.71	639	1	7	<2	<5	48
P-L11N 6+50E	6	0.2	27	473	<2	6	8	14	1.99	2564	2	7	16	<5	55
P-L11N 7+00E	9	0.2	24	219	<2	15	5	12	1.49	5714	4	5	12	<5	47
P-L11N 7+50E	6	0.3	21	986	<2	10	8	57	2.54	4006	2	9	4	<5	154
P-L11N 8+00E	<5	<0.2	20	337	<2	8	6	14	1.98	1634	1	5	<2	<5	57
P-L11N 8+50E	10	0.2	12	131	<2	3	9	8	1.63	259	<1	6	<2	<5	54
P-L11N 9+00E	<5	0.2	<5	75	<2	2	7	6	1.02	311	<1	4	<2	<5	20
P-L11N 9+50E	<5	0.2	27	158	<2	4	10	10	2.08	262	2	9	2	<5	80
P-L11N 10+00E	<5	0.3	28	228	<2	4	10	12	1.84	704	<1	8	3	<5	153
P-L11N 10+50E	<5	<0.2	27	288	<2	4	13	12	1.53	458	<1	13	7	<5	123
P-L11N 11+00E	8	0.2	18	200	<2	6	39	14	1.90	222	1	30	6	<5	85
P-L10N 5+00E	<5	<0.2	20	411	<2	9	11	96	2.85	1056	2	10	<2	<5	65

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L13N 8+00E	<0.5	<1	33	8	11	15	<1	2	<20	24	<10	<10	45	3	1
P-L13N 8+50E	<0.5	<1	34	10	11	20	<1	2	<20	21	<10	<10	49	4	2
P-L13N 9+00E	<0.5	<1	6	6	4	12	<1	1	<20	19	<10	<10	36	2	<1
P-L13N 9+50E	<0.5	<1	36	8	19	21	3	2	<20	75	<10	<10	29	3	4
P-L13N 10+00E	<0.5	<1	31	7	13	15	<1	1	<20	35	<10	<10	36	3	4
P-L13N 10+50E	<0.5	<1	66	9	28	15	2	1	<20	46	<10	<10	38	4	3
P-L13N 11+00E	<0.5	1	56	9	23	37	1	3	<20	58	<10	<10	35	8	11
P-L13N 11+50E	<0.5	<1	9	4	5	5	<1	<1	<20	31	<10	<10	19	2	<1
P-L12N 5+00E	<0.5	<1	19	5	9	7	<1	3	<20	24	<10	<10	42	4	1
P-L12N 5+50E	<0.5	<1	35	6	14	7	<1	2	<20	33	<10	<10	41	5	1
P-L12N 6+00E	<0.5	<1	10	5	5	5	<1	<1	<20	19	<10	<10	24	2	<1
P-L12N 6+50E	<0.5	<1	20	7	10	9	<1	1	<20	21	<10	<10	37	4	<1
P-L12N 7+00E	<0.5	<1	26	9	12	12	<1	2	<20	22	<10	<10	44	4	1
P-L12N 7+50E	<0.5	<1	22	7	10	12	<1	2	<20	25	<10	<10	37	6	1
P-L12N 8+00E	<0.5	<1	26	7	12	18	<1	2	<20	12	<10	<10	50	5	2
P-L12N 8+50E	<0.5	<1	17	7	8	15	<1	2	<20	21	<10	<10	35	3	<1
P-L12N 9+00E	<0.5	<1	25	5	11	11	<1	1	<20	20	<10	<10	37	2	9
P-L12N 9+50E	<0.5	<1	26	5	10	11	<1	1	<20	14	<10	<10	30	3	19
P-L12N 10+00E	<0.5	1	39	8	16	15	<1	2	<20	24	<10	<10	30	4	21
P-L12N 10+50E	<0.5	<1	27	6	11	11	<1	1	<20	18	<10	<10	32	3	24
P-L12N 11+00E	<0.5	<1	31	7	15	21	2	1	<20	26	<10	<10	36	2	6
P-L12N 11+50E	<0.5	<1	44	8	20	28	5	3	<20	51	<10	<10	50	4	11
P-L11N 5+00E	<0.5	<1	26	3	11	6	<1	1	<20	48	<10	<10	28	4	2
P-L11N 5+50E	<0.5	<1	22	5	8	7	<1	1	<20	42	<10	<10	30	3	2
P-L11N 6+00E	<0.5	<1	14	4	6	9	1	1	<20	28	<10	<10	34	2	2
P-L11N 6+50E	<0.5	<1	27	7	11	9	<1	1	<20	37	<10	<10	36	4	2
P-L11N 7+00E	<0.5	<1	38	2	18	6	<1	<1	<20	16	<10	<10	31	7	1
P-L11N 7+50E	<0.5	1	63	5	28	12	1	3	<20	71	<10	<10	42	12	2
P-L11N 8+00E	<0.5	<1	21	4	10	11	<1	<1	<20	40	<10	<10	33	3	1
P-L11N 8+50E	<0.5	<1	20	3	8	7	<1	1	<20	20	<10	<10	28	2	12
P-L11N 9+00E	<0.5	<1	17	<2	10	5	<1	<1	<20	12	<10	<10	21	2	1
P-L11N 9+50E	<0.5	<1	17	7	8	15	2	1	<20	50	<10	<10	32	2	15
P-L11N 10+00E	<0.5	3	36	5	14	10	1	2	<20	21	<10	<10	26	3	14
P-L11N 10+50E	<0.5	<1	46	5	23	16	2	2	<20	37	<10	<10	21	3	11
P-L11N 11+00E	<0.5	<1	41	6	20	24	3	3	<20	38	<10	<10	29	4	14
P-L10N 5+00E	<0.5	<1	66	6	25	16	1	3	<20	41	<10	<10	53	9	7
P-L10N 5+50E	<0.5	<1	37	7	18	16	2	2	<20	53	<10	<10	47	8	2

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L10N 5+50E	20	0.2	23	474	2	7	12	32	3.04	1033	2	7	5	<5	77
P-L10N 6+00E	6	0.2	17	243	<2	8	20	36	4.82	303	3	10	<2	<5	53
P-L10N 6+50E	11	0.2	28	607	<2	11	10	34	3.50	2534	4	8	3	<5	101
P-L10N 7+00E	<5	<0.2	25	368	3	8	11	19	2.39	1096	2	6	3	<5	87
P-L10N 7+50E	<5	0.3	22	250	<2	7	13	33	2.66	517	<1	11	<2	<5	95
P-L10N 8+00E	<5	0.2	17	168	<2	6	14	18	2.36	226	3	11	<2	<5	52
P-L10N 8+50E	6	0.4	26	212	<2	6	13	23	2.17	284	3	12	<2	<5	64
P-L10N 9+00E	6	0.3	19	148	<2	4	12	8	1.88	222	1	7	<2	<5	42
P-L10N 9+50E	6	0.3	27	128	<2	3	10	11	1.87	282	<1	9	<2	<5	68
P-L10N 10+00E	9	1.1	52	124	<2	7	51	43	2.26	339	<1	31	<2	<5	56
P-L10N 10+50E	<5	<0.2	22	159	<2	12	80	25	2.27	238	1	102	<2	<5	75
P-L10N 11+00E	<5	<0.2	17	87	<2	5	25	10	1.67	152	<1	19	2	<5	47
P-L9N 5+00E	<5	<0.2	16	215	<2	5	13	32	2.29	653	1	7	<2	<5	43
P-L9N 5+50E	<5	<0.2	12	173	<2	5	12	20	2.62	616	1	6	<2	<5	39
P-L9N 6+00E	<5	<0.2	18	567	<2	5	11	19	2.16	1390	1	8	2	<5	56
P-L9N 6+50E	<5	0.2	16	386	<2	6	13	35	2.21	956	2	8	<2	<5	112
P-L9N 7+00E	<5	<0.2	19	255	<2	5	11	13	2.16	353	2	10	5	<5	105
P-L9N 7+50E	<5	<0.2	16	125	<2	4	12	8	1.80	206	<1	9	<2	<5	45
P-L9N 8+00E	<5	0.3	25	139	<2	5	11	14	1.98	201	1	11	<2	<5	41
P-L9N 8+50E	<5	0.2	15	107	<2	3	13	8	2.11	185	2	7	<2	<5	43
P-L9N 9+00E	<5	<0.2	18	124	<2	4	11	12	1.73	184	1	8	<2	<5	49
P-L9N 9+50E	<5	<0.2	22	108	<2	4	12	13	2.06	255	2	11	<2	<5	49
P-L9N 10+00E	<5	0.3	25	215	<2	4	16	16	1.65	157	1	22	<2	<5	45
P-L9N 10+50E	<5	<0.2	14	186	<2	17	83	35	3.17	411	2	163	<2	<5	114
P-L9N 10+80E	<5	0.2	23	56	<2	15	69	53	2.95	252	2	123	<2	<5	42
P-L8N 4+00E	<5	<0.2	16	396	<2	6	11	45	2.27	1270	1	6	<2	<5	62
P-L8N 4+50E	<5	0.3	17	268	<2	5	11	37	2.21	770	2	7	5	<5	29
P-L8N 5+00E	15	<0.2	12	215	<2	8	15	37	4.15	728	2	6	<2	<5	50
P-L8N 5+50E	<5	<0.2	7	264	<2	2	3	12	0.66	1254	<1	2	<2	<5	35
P-L8N 6+00E	7	<0.2	15	226	<2	4	11	18	2.23	313	1	7	<2	<5	60
P-L8N 6+50E	8	<0.2	13	128	<2	5	9	18	2.07	344	2	6	<2	<5	47
P-L8N 7+00E	<5	<0.2	8	100	<2	4	12	8	1.70	504	<1	6	<2	<5	38
P-L8N 7+50E	7	<0.2	16	121	<2	5	12	13	1.81	299	2	7	<2	<5	59
P-L8N 8+00E	<5	0.2	25	272	<2	6	13	18	2.13	462	2	16	<2	<5	109
P-L8N 8+50E	7	<0.2	12	107	<2	7	32	11	1.91	351	1	28	<2	<5	41
P-L8N 9+00E	<5	<0.2	11	43	<2	4	17	8	1.71	172	<1	13	<2	<5	32
P-L8N 9+50E	<5	<0.2	16	121	<2	9	38	14	2.19	372	1	48	<2	<5	128
P-L8N 10+00E	6	0.2	33	126	<2	5	18	17	2.00	411	<1	22	<2	<5	75
P-L8N 10+50E	7	0.2	22	164	<2	13	29	34	2.84	287	1	107	<2	<5	102

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L10N 6+00E	<0.5	<1	19	5	11	13	<1	2	<20	26	<10	<10	95	3	1
P-L10N 6+50E	<0.5	<1	48	6	18	11	<1	3	<20	35	<10	<10	50	6	1
P-L10N 7+00E	<0.5	<1	29	7	14	11	1	2	<20	37	<10	<10	39	4	3
P-L10N 7+50E	<0.5	<1	39	5	11	17	<1	3	<20	33	<10	<10	41	4	8
P-L10N 8+00E	<0.5	<1	27	5	10	16	2	1	<20	24	<10	<10	42	2	4
P-L10N 8+50E	<0.5	<1	70	6	14	21	2	2	<20	15	<10	<10	32	6	31
P-L10N 9+00E	<0.5	<1	24	4	11	9	1	1	<20	10	<10	<10	33	2	13
P-L10N 9+50E	<0.5	<1	29	5	10	10	1	1	<20	13	<10	<10	30	2	22
P-L10N 10+00E	<0.5	<1	54	8	20	38	4	4	<20	116	<10	<10	38	8	29
P-L10N 10+50E	<0.5	<1	44	9	20	27	6	2	<20	67	<10	<10	37	4	17
P-L10N 11+00E	<0.5	<1	20	5	10	16	3	2	<20	13	<10	<10	29	2	24
P-L9N 5+00E	<0.5	<1	31	4	12	12	1	2	<20	21	<10	<10	49	3	2
P-L9N 5+50E	<0.5	<1	30	3	14	7	2	1	<20	45	<10	<10	51	4	2
P-L9N 6+00E	<0.5	<1	31	5	15	11	<1	2	<20	54	<10	<10	41	5	2
P-L9N 6+50E	<0.5	<1	38	4	16	20	<1	3	<20	24	<10	<10	38	6	2
P-L9N 7+00E	<0.5	<1	56	5	17	15	1	2	<20	22	<10	<10	38	3	9
P-L9N 7+50E	<0.5	<1	25	3	13	11	1	1	<20	13	<10	<10	34	2	4
P-L9N 8+00E	<0.5	<1	42	5	14	12	2	2	<20	17	<10	<10	34	5	28
P-L9N 8+50E	<0.5	<1	19	4	11	8	<1	<1	<20	10	<10	<10	41	2	9
P-L9N 9+00E	<0.5	<1	27	3	11	8	1	1	<20	13	<10	<10	30	3	18
P-L9N 9+50E	<0.5	<1	31	5	10	11	1	2	<20	15	<10	<10	31	4	39
P-L9N 10+00E	<0.5	<1	32	4	9	11	2	2	<20	77	<10	<10	21	4	28
P-L9N 10+50E	<0.5	<1	58	10	27	31	8	2	<20	84	<10	<10	45	4	14
P-L9N 10+80E	<0.5	<1	75	10	43	20	11	3	<20	93	<10	<10	52	7	19
P-L8N 4+00E	<0.5	<1	31	5	15	14	<1	1	<20	22	<10	<10	45	5	1
P-L8N 4+50E	<0.5	<1	75	4	62	10	<1	3	<20	61	<10	<10	47	29	2
P-L8N 5+00E	<0.5	<1	27	3	13	12	<1	2	<20	26	<10	<10	107	4	1
P-L8N 5+50E	<0.5	<1	7	3	4	3	<1	1	<20	32	<10	<10	16	3	2
P-L8N 6+00E	<0.5	<1	21	<2	10	11	<1	2	<20	23	<10	<10	46	2	5
P-L8N 6+50E	<0.5	<1	27	<2	13	9	<1	1	<20	19	<10	<10	43	2	<1
P-L8N 7+00E	<0.5	<1	27	2	14	9	1	1	<20	18	<10	<10	35	2	1
P-L8N 7+50E	<0.5	<1	29	3	15	12	1	1	<20	20	<10	<10	33	3	1
P-L8N 8+00E	<0.5	<1	43	6	10	21	1	2	<20	23	<10	<10	36	3	18
P-L8N 8+50E	<0.5	<1	35	3	17	14	4	2	<20	35	<10	<10	41	3	7
P-L8N 9+00E	<0.5	<1	41	2	21	11	3	1	<20	39	<10	<10	33	3	3
P-L8N 9+50E	<0.5	<1	24	6	11	21	5	2	<20	59	<10	<10	41	2	8
P-L8N 10+00E	<0.5	<1	20	5	7	18	2	2	<20	109	<10	<10	32	2	12
P-L8N 10+50E	<0.5	<1	35	9	17	30	6	2	<20	93	<10	<10	38	4	24

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L8N 11+00E	<5	<0.2	9	90	<2	7	10	25	1.11	773	<1	37	<2	<5	39
P-L7N 2+00E	<5	<0.2	15	155	<2	6	5	44	1.61	947	<1	5	<2	<5	32
P-L7N 3+00E	8	0.4	53	874	<2	11	8	31	2.90	1673	7	8	<2	<5	66
P-L7N 3+50E	8	<0.2	43	394	<2	7	11	47	2.84	450	<1	15	<2	<5	78
P-L7N 4+00E	<5	<0.2	16	204	<2	5	13	22	2.77	657	2	6	<2	<5	43
P-L7N 4+50E	8	<0.2	15	345	<2	6	9	33	2.21	1559	<1	6	<2	<5	48
P-L7N 5+00E	7	<0.2	26	370	<2	4	7	24	1.82	923	1	9	<2	<5	70
P-L7N 5+50E	7	0.5	15	391	<2	6	12	50	2.47	372	2	9	<2	<5	74
P-L7N 6+00E	27	0.2	17	201	2	6	10	28	2.37	340	1	8	<2	<5	70
P-L7N 6+50E	9	<0.2	9	46	<2	5	9	16	1.93	268	2	5	<2	<5	31
P-L7N 7+00E	<5	0.2	16	137	<2	4	12	10	1.71	353	<1	7	<2	<5	63
P-L7N 7+50E	39	<0.2	13	123	<2	3	13	9	1.75	175	1	6	<2	<5	40
P-L7N 8+00E	6	<0.2	13	135	<2	4	11	10	1.68	159	<1	6	<2	<5	47
P-L7N 8+50E	10	<0.2	13	255	<2	4	10	10	1.61	662	1	9	<2	<5	107
P-L7N 9+00E	11	<0.2	11	104	<2	6	27	10	1.71	354	<1	20	<2	<5	39
P-L7N 9+50E	7	1.0	20	275	<2	11	93	78	2.85	875	2	72	<2	<5	64
P-L7N 10+00E	<5	<0.2	18	116	<2	11	89	22	2.50	967	1	47	<2	<5	56
P-L7N 10+50E	7	0.3	44	94	<2	32	377	66	5.64	976	2	150	<2	<5	100
P-L7N 11+00E	<5	0.2	26	136	<2	7	56	25	1.90	175	<1	54	<2	<5	51
P-L6N 0+00E	9	<0.2	23	328	<2	6	14	40	2.69	471	2	7	<2	<5	44
P-L6N 0+50E	<5	<0.2	14	419	<2	4	6	16	1.15	1069	<1	5	<2	<5	46
P-L6N 1+00E	<5	<0.2	17	564	<2	4	5	17	1.09	1778	1	5	6	<5	36
P-L6N 1+50E	109	0.4	37	297	<2	15	12	544	3.32	1374	2	8	4	<5	60
P-L6N 2+00E	<5	<0.2	24	207	3	5	7	17	1.62	1425	1	5	5	<5	43
P-L6N 2+50E	<5	<0.2	22	240	3	5	11	14	1.95	953	<1	5	2	<5	50
P-L6N 3+00E	<5	0.2	20	138	<2	4	6	41	1.33	862	1	5	4	<5	34
P-L6N 3+50E	<5	0.2	31	625	<2	6	11	32	2.50	748	2	9	7	<5	56
P-L6N 4+00E	<5	<0.2	23	265	3	4	11	13	1.95	562	2	6	5	<5	35
P-L6N 4+50E	<5	<0.2	27	285	2	4	11	17	1.86	697	2	7	5	<5	48
P-L6N 5+00E	<5	0.2	23	326	2	7	12	46	3.05	848	3	5	3	<5	56
P-L6N 5+50E	<5	<0.2	16	243	2	5	11	19	2.14	951	1	6	7	<5	59
P-L6N 6+00E	<5	<0.2	13	131	<2	4	9	8	1.48	715	1	5	5	<5	49
P-L6N 6+50E	<5	0.2	19	152	<2	5	11	9	1.86	647	1	7	5	<5	66
P-L5N 0+00E	<5	0.2	11	81	2	3	4	42	0.76	334	<1	3	4	<5	16
P-L5N 0+50E	<5	0.2	36	186	3	5	13	53	2.20	353	2	8	7	<5	35
P-L5N 1+00E	<5	<0.2	23	140	<2	5	17	50	2.60	258	2	9	5	<5	40
P-L5N 1+50E	<5	0.3	46	551	3	7	11	37	2.73	605	2	11	9	<5	66

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L8N 11+00E	<0.5	<1	20	5	10	6	3	<1	<20	104	<10	<10	19	2	2
P-L7N 2+00E	<0.5	<1	12	3	6	14	<1	3	<20	15	<10	<10	32	9	1
P-L7N 3+00E	<0.5	<1	48	6	16	18	1	3	<20	35	<10	<10	41	11	3
P-L7N 3+50E	<0.5	<1	57	<2	19	21	<1	4	<20	29	11	<10	45	12	43
P-L7N 4+00E	<0.5	<1	32	2	17	13	<1	2	<20	17	<10	<10	61	6	1
P-L7N 4+50E	<0.5	<1	27	4	12	12	<1	1	<20	18	<10	<10	45	4	1
P-L7N 5+00E	<0.5	<1	33	4	10	15	<1	2	<20	19	<10	<10	30	6	19
P-L7N 5+50E	<0.5	<1	37	5	11	34	1	3	<20	59	<10	<10	41	6	13
P-L7N 6+00E	<0.5	<1	28	4	12	13	<1	2	<20	27	<10	<10	43	3	2
P-L7N 6+50E	<0.5	<1	37	<2	19	9	<1	1	<20	15	<10	<10	38	3	<1
P-L7N 7+00E	<0.5	<1	33	3	15	9	1	1	<20	28	<10	<10	33	3	1
P-L7N 7+50E	<0.5	<1	43	2	15	8	2	1	<20	11	<10	<10	33	3	10
P-L7N 8+00E	<0.5	<1	28	4	12	15	2	1	<20	60	<10	<10	35	3	4
P-L7N 8+50E	<0.5	<1	27	3	11	9	<1	2	<20	27	<10	<10	27	3	8
P-L7N 9+00E	<0.5	<1	39	<2	20	14	2	2	<20	27	<10	<10	34	4	2
P-L7N 9+50E	<0.5	<1	79	10	152	64	5	12	<20	234	<10	<10	55	40	9
P-L7N 10+00E	<0.5	<1	50	6	25	23	4	4	<20	52	<10	<10	46	5	5
P-L7N 10+50E	<0.5	<1	71	18	44	53	10	15	<20	99	10	<10	137	11	7
P-L7N 11+00E	<0.5	<1	59	6	21	23	4	3	<20	79	<10	<10	29	5	14
P-L6N 0+00E	<0.5	<1	45	5	18	25	2	3	<20	23	<10	<10	58	8	3
P-L6N 0+50E	<0.5	<1	22	5	8	13	1	2	<20	38	<10	<10	24	6	4
P-L6N 1+00E	<0.5	<1	37	7	12	5	2	1	<20	22	<10	<10	22	8	1
P-L6N 1+50E	<0.5	<1	67	9	24	21	2	3	<20	16	<10	<10	51	12	3
P-L6N 2+00E	<0.5	<1	14	6	7	9	<1	<1	<20	8	<10	<10	30	3	<1
P-L6N 2+50E	<0.5	<1	22	7	13	11	1	1	<20	19	<10	<10	39	9	1
P-L6N 3+00E	<0.5	<1	12	5	7	6	1	<1	<20	7	<10	<10	26	4	1
P-L6N 3+50E	<0.5	<1	35	8	10	13	2	2	<20	18	<10	<10	34	4	5
P-L6N 4+00E	<0.5	<1	26	5	8	7	2	1	<20	13	<10	<10	38	2	2
P-L6N 4+50E	<0.5	<1	19	7	9	13	2	1	<20	13	<10	<10	37	3	2
P-L6N 5+00E	<0.5	<1	54	8	42	18	2	4	<20	45	<10	<10	57	28	2
P-L6N 5+50E	<0.5	<1	27	7	13	11	1	1	<20	24	<10	<10	48	2	<1
P-L6N 6+00E	<0.5	<1	22	5	12	7	2	<1	<20	20	<10	<10	31	2	<1
P-L6N 6+50E	<0.5	<1	22	8	12	10	2	1	<20	13	<10	<10	35	2	2
P-L5N 0+00E	<0.5	<1	<5	6	2	4	2	<1	<20	15	<10	<10	18	2	2
P-L5N 0+50E	<0.5	<1	42	11	11	18	3	3	<20	19	<10	<10	37	7	40
P-L5N 1+00E	<0.5	<1	39	8	12	12	3	3	<20	17	<10	<10	55	5	24
P-L5N 1+50E	<0.5	<1	47	13	10	18	4	3	<20	32	<10	<10	41	7	31

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L5N 2+00E	<5	0.2	20	455	4	7	7	127	2.10	995	2	5	24	<5	60
P-L5N 2+50E	<5	0.3	28	434	<2	5	12	22	2.12	755	1	9	10	<5	64
P-L5N 3+00E	<5	<0.2	26	402	3	6	14	20	2.69	669	2	9	7	<5	54
P-L5N 3+50E	<5	<0.2	27	276	2	5	13	19	2.37	491	1	8	8	<5	44
P-L5N 4+00E	<5	0.8	34	826	4	5	13	108	2.78	1000	2	9	18	<5	71
P-L5N 4+50E	<5	0.3	23	337	<2	6	12	21	2.61	437	2	8	7	<5	76
P-L5N 5+00E	<5	<0.2	20	168	5	5	13	11	1.98	439	1	6	9	<5	66
P-L5N 5+50E	<5	0.2	20	231	<2	6	10	14	2.19	771	2	7	7	<5	84
P-L5N 6+00E	5	<0.2	15	130	3	5	11	19	2.03	407	2	5	6	<5	38
P-L4N 2+00E	<5	<0.2	20	243	2	5	16	57	2.10	765	1	8	11	<5	47
P-L4N 2+50E	<5	<0.2	24	358	3	5	14	43	2.29	678	2	9	8	<5	44
P-L4N 3+00E	<5	0.2	25	336	4	5	12	36	2.19	996	1	9	9	<5	48
P-L4N 3+50E	5	<0.2	26	272	2	5	14	25	2.27	556	2	10	7	<5	43
P-L4N 4+00E	7	<0.2	15	193	3	5	9	19	1.71	498	2	6	7	<5	44
P-L4N 4+50E	<5	0.2	18	173	4	4	9	10	1.46	1042	1	8	9	<5	84
P-L4N 5+00E	<5	0.2	23	114	<2	5	13	15	2.61	370	1	9	<2	<5	46
P-L4N 5+50E	<5	0.2	22	141	3	4	11	15	2.05	328	1	11	<2	<5	46
P-L4N 6+00E	<5	0.2	38	208	3	5	13	13	2.25	653	1	11	7	<5	79
P-L4N 6+50E	<5	0.4	30	142	3	5	14	18	2.14	487	1	13	7	<5	90
P-L4N 7+00E	<5	<0.2	33	359	<2	4	23	8	1.52	350	<1	22	5	<5	95
P-L3N 2+00E	110	0.2	47	264	3	7	16	50	2.53	1018	2	14	3	<5	68
P-L3N 2+50E	<5	0.4	39	255	<2	6	16	61	2.67	445	2	12	3	<5	70
P-L3N 3+00E	<5	<0.2	17	152	<2	4	11	9	1.62	267	2	8	<2	<5	58
P-L3N 3+50E	<5	0.3	48	217	<2	5	11	26	2.34	329	2	13	3	<5	75
P-L3N 4+00E	<5	0.3	49	204	2	5	11	28	2.19	302	2	14	3	<5	57
P-L3N 4+50E	<5	0.3	39	217	<2	4	11	14	1.98	264	1	15	<2	<5	133
P-L3N 5+00E	6	0.4	44	125	<2	8	13	25	2.73	430	1	18	14	<5	128
P-L3N 5+50E	<5	0.6	30	108	<2	6	13	16	2.36	396	1	14	13	<5	139
P-L3N 6+00E	<5	0.2	16	177	2	5	17	9	1.12	647	<1	21	3	<5	86
P-L3N 6+50E	<5	0.2	38	213	<2	13	46	18	2.16	848	<1	86	10	<5	57
P-L3N 7+00E	<5	0.2	46	121	6	25	73	23	3.34	614	1	225	9	<5	70
P-L2N 2+00E	<5	0.4	51	142	<2	9	12	53	2.33	205	3	21	5	<5	127
P-L2N 2+50E	<5	0.2	12	99	3	2	6	9	0.88	561	1	7	4	<5	28
P-L2N 3+00E	<5	<0.2	10	79	<2	2	9	6	1.23	300	2	8	<2	<5	27
P-L2N 3+50E	6	0.3	44	187	<2	6	12	23	2.38	529	1	14	6	<5	69
P-L2N 4+00E	<5	0.3	45	330	<2	6	14	30	2.54	297	2	18	7	<5	126
P-L2N 4+50E	<5	0.2	33	159	3	4	11	10	1.72	658	1	14	3	<5	134

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L5N 2+00E	<0.5	<1	25	11	13	13	3	2	<20	18	<10	<10	42	5	1
P-L5N 2+50E	<0.5	<1	55	11	17	15	3	2	<20	22	<10	<10	36	7	14
P-L5N 3+00E	<0.5	<1	42	10	16	17	4	2	<20	23	<10	<10	51	5	8
P-L5N 3+50E	<0.5	<1	44	9	17	13	3	2	<20	11	<10	<10	46	5	4
P-L5N 4+00E	<0.5	<1	111	13	96	34	5	7	<20	61	<10	<10	31	86	9
P-L5N 4+50E	<0.5	<1	42	7	18	12	2	2	<20	19	<10	<10	52	5	8
P-L5N 5+00E	<0.5	<1	33	10	17	7	4	1	<20	21	<10	<10	37	3	1
P-L5N 5+50E	<0.5	<1	23	9	11	11	2	2	<20	15	<10	<10	44	2	3
P-L5N 6+00E	<0.5	<1	30	7	16	8	3	1	<20	17	<10	<10	41	3	<1
P-L4N 2+00E	<0.5	<1	38	9	11	12	3	2	<20	16	<10	<10	44	3	2
P-L4N 2+50E	<0.5	<1	33	9	13	12	3	2	<20	17	<10	<10	49	4	6
P-L4N 3+00E	<0.5	<1	32	10	15	21	4	2	<20	20	<10	<10	43	6	3
P-L4N 3+50E	<0.5	<1	25	9	13	16	3	2	<20	14	<10	<10	49	3	<1
P-L4N 4+00E	<0.5	<1	25	8	11	12	3	1	<20	18	<10	<10	38	3	1
P-L4N 4+50E	<0.5	<1	20	9	10	8	3	1	<20	23	<10	<10	27	2	2
P-L4N 5+00E	<0.5	<1	23	4	11	9	<1	1	<20	10	<10	<10	63	2	<1
P-L4N 5+50E	<0.5	<1	25	6	9	8	1	1	<20	20	<10	<10	44	2	4
P-L4N 6+00E	<0.5	<1	29	9	9	9	2	1	<20	17	<10	<10	43	3	7
P-L4N 6+50E	<0.5	1	39	7	13	9	2	2	<20	19	<10	<10	40	4	11
P-L4N 7+00E	<0.5	<1	31	7	10	19	3	3	<20	43	<10	<10	24	4	19
P-L3N 2+00E	<0.5	<1	42	10	13	15	2	3	<20	24	<10	<10	46	6	12
P-L3N 2+50E	<0.5	<1	33	8	10	23	2	2	<20	16	<10	<10	47	4	5
P-L3N 3+00E	<0.5	<1	30	5	17	9	2	1	<20	16	<10	<10	33	3	2
P-L3N 3+50E	<0.5	<1	32	9	17	13	2	3	<20	12	<10	<10	40	8	25
P-L3N 4+00E	<0.5	<1	37	8	12	13	2	3	<20	10	<10	<10	35	6	42
P-L3N 4+50E	<0.5	<1	39	7	10	14	2	2	<20	17	<10	<10	32	4	21
P-L3N 5+00E	<0.5	<1	43	8	12	16	2	2	<20	21	<10	<10	48	4	9
P-L3N 5+50E	<0.5	<1	22	5	9	10	1	1	<20	10	<10	<10	46	2	2
P-L3N 6+00E	<0.5	<1	18	6	8	12	3	2	<20	33	<10	<10	25	3	4
P-L3N 6+50E	<0.5	<1	40	14	17	28	12	3	<20	107	<10	<10	41	5	11
P-L3N 7+00E	<0.5	<1	33	23	16	48	16	4	<20	104	<10	12	57	4	21
P-L2N 2+00E	<0.5	<1	28	9	6	15	3	2	<20	18	<10	<10	42	3	29
P-L2N 2+50E	<0.5	<1	10	5	5	2	<1	<1	<20	24	<10	<10	21	1	<1
P-L2N 3+00E	<0.5	<1	28	4	16	4	2	1	<20	19	<10	<10	30	4	<1
P-L2N 3+50E	<0.5	<1	26	9	8	13	1	2	<20	8	<10	<10	43	4	23
P-L2N 4+00E	<0.5	<1	35	11	11	20	2	2	<20	23	<10	<10	39	4	30
P-L2N 4+50E	<0.5	<1	27	8	11	10	2	2	<20	16	<10	<10	30	3	11

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L2N 5+00E	<5	0.3	27	171	<2	5	13	17	2.32	677	1	13	6	<5	124
P-L2N 5+50E	<5	0.5	50	176	4	7	13	22	2.60	597	2	18	16	<5	193
P-L2N 6+00E	<5	<0.2	18	182	3	5	18	10	1.08	565	<1	38	6	<5	58
P-L2N 6+50E	7	0.2	10	75	2	2	6	5	0.67	509	<1	8	3	<5	19
P-L2N 7+00E	<5	<0.2	10	127	<2	2	8	5	0.69	520	<1	16	3	<5	26
P-L1N 2+00E	7	0.2	49	136	<2	5	13	46	2.65	230	2	14	4	<5	41
P-L1N 2+50E	10	0.2	30	159	<2	7	14	84	2.92	382	3	14	2	<5	72
P-L1N 3+00E	<5	<0.2	27	134	<2	7	16	33	3.10	551	3	14	3	<5	51
P-L1N 3+50E	<5	0.2	39	264	<2	6	15	41	2.63	309	2	14	2	<5	59
P-L1N 4+00E	<5	0.3	37	168	<2	6	13	26	2.54	309	1	14	4	<5	59
P-L1N 4+50E	<5	0.4	40	175	<2	7	13	21	2.73	299	2	20	8	<5	168
P-L1N 5+00E	<5	0.2	34	179	<2	7	12	20	2.89	202	2	16	<2	<5	65
P-L1N 5+50E	<5	0.2	44	198	<2	6	12	20	2.61	587	3	15	4	<5	90
P-L1N 6+00E	<5	0.2	22	215	<2	5	15	12	1.72	841	<1	15	5	<5	89
P-L1N 6+50E	<5	0.2	31	128	<2	7	14	19	2.38	1331	<1	13	23	<5	60
P-L1N 7+00E	<5	0.2	19	148	<2	3	10	9	1.61	299	1	13	2	<5	138
P-L0+00N 1+00E	5	0.4	20	136	<2	18	8	110	3.00	1162	63	15	<2	<5	38
P-L0+00N 1+50E	<5	0.3	20	99	<2	7	8	51	1.49	1757	2	12	<2	<5	55
P-L0+00N 2+00E	20	<0.2	43	95	3	7	12	49	2.57	470	3	16	<2	<5	41
P-L0+00N 2+50E	9	0.2	31	95	<2	6	12	40	2.16	863	2	15	<2	<5	48
P-L0+00N 3+00E	7	<0.2	28	135	<2	6	12	34	2.31	487	2	13	<2	<5	37
P-L0+00N 3+50E	<5	0.2	29	149	<2	7	12	33	2.52	548	2	15	3	<5	46
P-L0+00N 4+00E	<5	0.2	20	157	<2	6	13	37	2.54	434	1	13	<2	<5	39
P-L0+00N 4+50E	<5	0.3	35	159	2	6	11	29	2.28	344	2	16	<2	<5	109
P-L0+00N 5+00E	6	0.2	30	143	<2	6	12	19	2.53	448	2	15	3	<5	110
P-L0+00N 5+50E	<5	0.2	39	156	<2	5	12	20	2.27	445	3	16	2	<5	85
P-L0+00N 6+00E	<5	0.2	37	237	<2	5	10	12	2.02	1050	2	14	<2	<5	132
P-L1+00S 1+00E	<5	0.2	33	60	<2	8	14	69	2.53	402	4	15	<2	<5	44
P-L1+00S 1+50E	63	0.3	37	171	<2	12	14	95	3.58	1066	3	16	<2	<5	71
P-L1+00S 2+00E	7	<0.2	25	96	<2	7	12	61	2.34	755	3	14	<2	<5	37
P-L1+00S 2+50E	<5	0.4	37	207	2	7	12	44	2.59	1377	3	16	3	<5	68
P-L1+00S 3+00E	6	0.2	30	217	<2	8	16	67	2.64	1005	2	17	<2	<5	62
P-L1+00S 3+50E	8	<0.2	29	73	3	6	13	77	3.02	267	2	12	<2	<5	31
P-L1+00S 4+00E	<5	0.2	40	156	<2	7	15	40	3.03	417	2	15	3	<5	62
P-L1+00S 4+50E	<5	0.2	26	146	<2	6	11	19	2.45	284	2	13	<2	<5	86
P-L1+00S 5+00E	<5	0.3	40	259	<2	6	15	30	2.79	272	4	18	<2	<5	77
P-L1+00S 5+50E	9	0.3	30	159	<2	6	12	20	2.51	272	2	15	3	<5	59

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L2N 5+00E	<0.5	<1	34	8	10	10	2	1	<20	20	<10	<10	46	3	7
P-L2N 5+50E	<0.5	2	35	10	10	14	3	2	<20	25	<10	<10	41	5	12
P-L2N 6+00E	<0.5	<1	13	7	6	10	5	1	<20	36	<10	<10	23	2	3
P-L2N 6+50E	<0.5	<1	10	5	4	4	2	<1	<20	24	<10	<10	17	2	1
P-L2N 7+00E	<0.5	<1	7	5	3	4	2	<1	<20	42	<10	<10	17	1	1
P-L1N 2+00E	<0.5	<1	35	8	10	13	2	3	<20	13	<10	<10	49	5	25
P-L1N 2+50E	<0.5	<1	15	11	7	22	2	4	<20	12	<10	<10	60	4	3
P-L1N 3+00E	<0.5	<1	25	7	13	15	1	2	<20	14	<10	<10	69	3	1
P-L1N 3+50E	<0.5	<1	51	8	13	13	2	2	<20	15	<10	<10	48	4	27
P-L1N 4+00E	<0.5	<1	48	8	16	12	2	2	<20	14	<10	<10	46	4	12
P-L1N 4+50E	<0.5	<1	36	8	15	35	2	2	<20	22	<10	<10	44	3	5
P-L1N 5+00E	<0.5	<1	36	6	10	15	2	2	<20	14	<10	<10	67	3	9
P-L1N 5+50E	<0.5	<1	42	9	14	27	2	3	<20	34	<10	<10	45	6	21
P-L1N 6+00E	<0.5	<1	35	6	9	15	2	2	<20	59	<10	<10	30	4	7
P-L1N 6+50E	<0.5	<1	57	10	22	19	4	3	<20	50	<10	<10	43	7	2
P-L1N 7+00E	<0.5	<1	20	4	10	11	<1	1	<20	16	<10	<10	32	2	<1
P-L0+00N 1+00E	<0.5	<1	8	8	3	9	1	2	<20	60	<10	<10	48	3	2
P-L0+00N 1+50E	<0.5	<1	19	10	10	5	2	2	<20	22	<10	<10	32	4	3
P-L0+00N 2+00E	<0.5	<1	37	9	11	15	2	4	<20	17	<10	<10	47	8	35
P-L0+00N 2+50E	<0.5	<1	23	8	11	12	1	2	<20	13	<10	<10	46	5	5
P-L0+00N 3+00E	<0.5	<1	23	7	8	11	2	2	<20	13	<10	<10	49	3	7
P-L0+00N 3+50E	<0.5	<1	21	8	8	14	1	2	<20	10	<10	<10	50	3	8
P-L0+00N 4+00E	<0.5	<1	25	5	9	12	<1	2	<20	12	<10	<10	53	3	10
P-L0+00N 4+50E	<0.5	<1	47	7	15	26	1	2	<20	28	<10	<10	45	5	15
P-L0+00N 5+00E	<0.5	<1	37	6	14	17	1	2	<20	20	<10	<10	47	2	4
P-L0+00N 5+50E	<0.5	<1	39	8	11	44	1	2	<20	21	<10	<10	39	6	27
P-L0+00N 6+00E	<0.5	<1	29	10	7	14	2	2	<20	42	<10	<10	33	3	18
P-L1+00S 1+00E	<0.5	<1	26	5	11	14	6	2	<20	10	<10	<10	53	4	3
P-L1+00S 1+50E	<0.5	<1	15	11	7	21	3	4	<20	23	<10	<10	74	4	4
P-L1+00S 2+00E	<0.5	<1	32	8	13	12	3	3	<20	14	<10	<10	49	6	10
P-L1+00S 2+50E	<0.5	<1	16	12	6	20	3	2	<20	18	<10	<10	45	3	7
P-L1+00S 3+00E	<0.5	<1	41	9	33	22	3	5	<20	27	<10	<10	52	22	4
P-L1+00S 3+50E	<0.5	<1	33	6	11	15	3	3	<20	18	<10	<10	68	4	3
P-L1+00S 4+00E	<0.5	<1	37	8	13	16	2	2	<20	14	<10	<10	59	4	11
P-L1+00S 4+50E	<0.5	<1	24	7	11	16	2	2	<20	34	<10	<10	45	2	1
P-L1+00S 5+00E	<0.5	<1	64	9	17	74	3	3	<20	108	<10	<10	48	8	12
P-L1+00S 5+50E	<0.5	<1	42	8	11	27	4	2	<20	39	<10	<10	49	4	15

Date of Report: 26-Sept-89 Project 391 PINTO

Soil Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L1+00S 6+00E	<5	0.5	42	274	<2	6	12	19	2.41	337	2	16	<2	<5	78
n= 377samples															
max:	110	2.1	108	986	6	32	377	544	5.64	5714	63	225	27	<5	193
min:	<5	<0.2	<5	26	<2	2	3	5	0.66	130	<1	2	<2	<5	16
1st quartile:	<5	<0.2	<5	131	<2	5	9	14	1.89	411	<1	6	<2	<5	45
median:	<5	0.2	8	176	<2	6	11	23	2.24	646	1	8	4	<5	56
3rd quartile:	5	0.3	22	272	<2	7	13	46	2.65	1048	2	11	7	<5	75
95% ile:	14	0.6	43	524	3	12	27	115	3.32	1890	4	26	15	<5	127

Project: 391 Soil Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L1+00S 6+00E	<0.5	<1	42	8	18	62	3	3	<20	74	<10	<10	44	8	25
n= 377 samples															
max:	<0.5	3	115	23	152	74	16	15	<20	234	11	12	137	86	68
min:	<0.5	<1	<5	<2	2	2	<1	<1	<20	3	<10	<10	16	1	<1
1st quartile:	<0.5	<1	20	6	8	10	<1	1	<20	12	<10	<10	33	2	1
median:	<0.5	<1	27	8	11	14	1	2	<20	19	<10	<10	39	4	3
3rd quartile:	<0.5	<1	38	9	16	19	2	2	<20	29	<10	<10	46	6	9
95% ile:	<0.5	<1	58	12	36	35	4	4	<20	93	<10	<10	60	22	25

Date of Report: 26-Sept-89 Project 391 PINTO

Silt Sampling Results
(1989)

Reference: v89-06156.0, v89-06157.0

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
P-L20N 9+40E	<5	0.9	<5	364	<2	5	7	117	1.67	1130	3	5	5	<5	33
P-L18N 9+40E	6	1.0	<5	394	<2	7	9	215	2.25	1179	3	6	6	<5	43
P-L16N 9+10E	14	1.6	7	477	<2	5	9	302	1.79	970	2	5	10	<5	45
P-L14N 8+60E	13	1.7	<5	610	<2	7	13	284	2.67	1075	1	10	13	<5	76
P-L12N 7+70E	11	2.1	<5	561	<2	5	12	318	2.24	988	2	8	5	<5	65
P-L8N 6+20E	12	0.5	19	384	<2	7	15	117	3.36	780	3	8	<2	<5	63
P-L6N 6+20E	<5	0.4	20	196	<2	6	22	68	3.15	688	3	9	6	<5	55
P-L4N 4+35E	5	0.4	25	294	3	8	25	82	2.78	1005	3	14	10	<5	68
P-L2N 2+80E	6	0.2	20	162	<2	5	17	43	2.52	478	2	13	2	<5	42
P-L0+00N 1+50E	8	0.5	27	219	<2	6	23	67	3.08	579	2	16	10	<5	55

Project: 391 Silt Sampling Results (part 2)

Sample ID	Be ppm	Cd ppm	Ce ppm	Ga ppm	La ppm	Li ppm	Nb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	V ppm	Y ppm	Zr ppm
P-L20N 9+40E	<0.5	<1	53	9	71	18	<1	2	<20	64	<10	<10	23	75	5
P-L18N 9+40E	<0.5	<1	35	11	60	25	1	2	<20	83	<10	<10	35	62	2
P-L16N 9+10E	<0.5	<1	39	11	69	25	2	2	<20	126	<10	<10	25	66	5
P-L14N 8+60E	<0.5	2	46	10	73	43	2	3	<20	118	<10	<10	38	69	2
P-L12N 7+70E	<0.5	1	52	5	86	39	<1	3	<20	110	<10	<10	32	82	3
P-L8N 6+20E	<0.5	<1	40	4	37	27	1	3	<20	64	<10	<10	63	27	2
P-L6N 6+20E	<0.5	<1	36	9	33	18	3	2	<20	96	<10	<10	69	19	1
P-L4N 4+35E	<0.5	<1	50	12	48	25	5	3	<20	125	<10	<10	51	26	2
P-L2N 2+80E	<0.5	<1	34	6	26	16	2	2	<20	53	<10	<10	53	11	1
P-L0+00N 1+50E	<0.5	<1	38	9	34	19	3	3	<20	100	<10	<10	32	4	3

ACME ANALYTICAL LABORATORIES LTD. 852 - HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 ROCK P2 SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 25 1989 DATE REPORT MAILED: Oct 2/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Inco Expl. & Tech. Services File # 89-3883 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
RX 041301	1	27	12	77	.1	12	10	710	4.00	2	5	ND	7	35	1	2	2	49	.40	.154	52	17	.77	71	.01	3	1.17	.03	.08	1	3
RX 041302	1	21	20	55	.1	3	4	404	1.63	11	5	ND	12	51	1	2	2	10	.35	.035	54	11	.27	212	.01	2	.83	.01	.14	1	13
RX 041303	1	51	2	52	.2	5	8	838	2.99	3	5	ND	4	24	1	2	2	57	.49	.049	14	11	.53	91	.01	2	.95	.01	.12	1	6
RX 041304	7	183	2	34	.6	2	9	434	4.34	2	5	ND	4	11	1	2	2	60	.12	.036	4	22	.49	77	.04	2	.96	.01	.12	1	4
RX 041305	1	260	2	78	.1	7	15	915	5.93	2	5	ND	3	14	1	2	2	77	.21	.059	11	17	.87	152	.04	2	1.09	.02	.21	1	9
RX 041306	1	100	2	30	.1	1	6	642	2.62	3	5	ND	3	22	1	2	2	65	.21	.054	19	7	.13	129	.01	5	.59	.02	.14	2	5
RX 041307	2	69	4	54	.1	2	7	1003	2.86	2	5	ND	2	34	1	2	2	55	.43	.053	22	3	.21	281	.01	3	.73	.02	.13	1	3
RX 041308	1	133	2	27	.1	1	6	562	2.97	2	5	ND	3	17	1	2	2	79	.18	.058	13	6	.16	67	.01	8	.58	.02	.12	1	8
RX 041309	1	8	3	66	.1	7	11	1088	3.86	2	5	ND	2	65	1	2	2	69	1.01	.108	17	14	1.13	144	.01	7	1.53	.02	.14	1	1
RX 041310	8	20	3	11	.1	2	1	55	.38	6	5	ND	3	5	1	2	2	1	.02	.005	21	10	.01	23	.01	2	.24	.02	.13	1	5
RX 041311	39	320	83	184	9.3	6	17	283	4.82	2	5	ND	3	8	1	2	2	50	.09	.057	6	9	.29	71	.06	6	1.13	.01	.12	1	40
RX 041312	65	375	4	49	1.4	13	27	605	6.44	3	17	ND	3	4	1	2	2	83	.12	.029	9	19	.98	26	.10	3	1.37	.01	.11	1	44
RX 041313	1	12	8	62	.1	3	7	561	3.00	3	5	ND	4	17	1	2	2	35	.12	.053	19	3	.10	404	.01	2	.33	.01	.11	1	5
RX 041314	1	35	22	88	.1	13	12	788	3.47	14	5	ND	2	28	1	2	2	32	.27	.100	20	23	.65	484	.01	5	1.04	.01	.17	1	19
RX 041315	1	461	4	77	.6	6	17	1176	5.13	2	5	ND	4	6	1	2	2	49	.26	.045	3	18	1.11	35	.09	4	1.48	.01	.06	1	18
RX 041316	1	76	2	37	.2	5	6	409	2.15	2	5	ND	2	17	1	2	2	27	.30	.025	4	29	.37	22	.02	2	.56	.01	.06	1	23
RX 041317	1	195	8	135	.8	5	13	1134	3.52	62	5	ND	6	17	1	2	2	91	.23	.046	13	14	.54	184	.01	7	1.22	.01	.14	1	5
RX 041318	1	9	19	54	.1	3	4	605	1.30	4	5	ND	7	22	1	2	2	13	.21	.050	24	13	.23	64	.05	2	.87	.01	.11	1	1
RX 041319	1	8	21	46	.1	3	3	297	1.23	3	5	ND	10	23	1	2	2	4	.22	.060	25	3	.20	65	.01	7	.79	.01	.12	1	1
RX 041320	1	25	3	71	.1	4	9	1112	3.13	2	5	ND	3	33	1	2	2	77	.76	.085	7	17	1.18	41	.08	5	1.21	.02	.05	1	4
RX 041321	2	68	8	64	.1	6	10	839	3.62	7	5	ND	4	35	1	3	2	66	.45	.071	7	10	.63	61	.08	3	1.27	.01	.08	1	8
RX 041322	1	13	2	29	.1	6	9	484	2.77	50	5	ND	4	37	1	2	2	19	.28	.060	13	15	.22	1257	.01	3	.80	.01	.15	1	11
RX 041323	2	36	4	6	.1	3	1	73	.89	34	5	ND	14	10	1	3	2	5	.03	.006	4	2	.02	180	.01	2	.24	.02	.09	1	5
RX 041324	1	27	5	55	.1	5	10	714	3.46	2	5	ND	6	15	1	2	2	77	.35	.044	10	21	.86	82	.03	2	.93	.02	.09	1	1
RX 041325	1	55	2	42	.1	5	11	602	3.59	2	5	ND	6	7	1	2	2	73	.14	.047	8	12	.74	108	.01	6	1.08	.02	.09	1	2
RX 041326	8	451	19	15	6.9	2	9	122	5.83	17	5	4	5	5	1	3	18	31	.01	.038	2	16	.23	56	.01	2	.59	.02	.13	1	6829
RX 041327	1	52	5	39	.1	12	8	381	2.35	2	5	ND	1	8	1	2	2	88	.22	.040	4	32	.85	44	.08	2	.73	.02	.20	1	11
RX 041328	1	321	6	60	.3	26	20	1051	5.83	2	5	ND	1	70	1	2	2	152	2.51	.115	9	104	2.83	75	.07	2	2.49	.01	.05	1	35
RX 041329	1	80	2	32	.2	6	13	607	4.52	2	5	ND	4	24	1	2	2	90	.80	.060	6	16	1.29	81	.10	3	1.50	.01	.08	1	6
RX 041330	1	64	2	49	.1	6	12	527	4.22	2	5	ND	1	38	1	2	2	122	.99	.134	4	19	1.14	18	.08	9	1.53	.02	.04	1	3
STD C/AU-R	18	59	36	133	6.8	68	31	1018	4.12	43	23	7	38	49	18	16	21	59	.48	.094	39	55	.90	172	.06	35	1.96	.06	.13	12	520

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 3 1989 DATE REPORT MAILED: Nov 9/89 SIGNED BY. C. L. ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Inco Expl. & Tech. Services File # 89-4626

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
RX 041370	3	1635	6	64	.4	7	19	762	5.06	4	5	ND	8	20	1	3	2	63	.12	.041	11	8	.87	467	.01	2	1.29	.02	.15	1	10
RX 041371	4	2145	6	73	1.5	7	22	886	5.90	9	5	ND	9	9	1	2	2	63	.42	.033	7	7	1.11	215	.01	2	1.85	.02	.09	1	240
RX 041372	7	118	9	37	.4	7	10	409	4.11	6	5	4	7	8	1	2	3	50	.08	.041	6	8	.74	228	.01	2	1.09	.03	.14	1	4614
RX 041373	7	164	8	28	1.6	7	11	304	4.87	8	5	3	7	9	1	2	2	45	.06	.043	4	8	.58	187	.01	16	1.02	.02	.18	1	2851
RX 041374	7	21	13	18	.2	8	8	245	3.79	5	5	ND	7	4	1	3	2	22	.02	.031	3	9	.30	73	.01	2	.73	.03	.15	1	175
RX 041375	1	2667	2	54	.1	10	18	671	3.64	5	5	ND	11	11	1	2	2	56	.24	.042	19	13	.68	129	.01	2	1.08	.03	.13	1	17
RX 041376	1	33	2	31	.1	7	5	413	1.95	2	5	ND	7	6	1	2	2	35	.11	.032	6	7	.44	60	.01	3	.74	.03	.11	1	2
RX 041377	18	263	47	493	.3	10	13	436	2.74	3	5	ND	5	32	2	3	2	34	1.10	.053	15	7	.35	206	.01	12	.97	.02	.21	1	8
RX 041378	89	1233	375	671	.7	13	29	792	5.69	2	5	ND	4	25	4	4	2	56	.71	.075	10	12	.86	188	.01	10	2.25	.01	.24	1	76

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
RX 42537	16	1499	2	50	1.4	8	62	441	8.96	3	5	ND	7	10	1	2	2	57	.12	.029	6	8	.67	138	.06	5	1.25	.01	.12	1	13
RX 42538	12	2432	5	61	5.1	6	20	358	18.63	2	8	ND	2	4	1	2	2	44	.19	.078	8	16	.29	24	.02	47	1.03	.01	.02	36	67
RX 42539	3	4171	10	84	11.9	6	23	598	5.96	9	6	ND	2	3	1	2	2	48	.05	.016	2	5	.65	78	.04	7	1.21	.01	.08	5	213
RX 42540	1	44	2	44	.1	5	12	915	3.68	5	5	ND	4	25	1	2	2	65	.76	.056	16	8	.58	248	.01	15	1.29	.02	.16	1	4
RX 42541	16	1578	4	52	5.2	21	97	312	14.98	2	6	ND	4	4	1	2	9	75	.04	.015	2	9	.42	16	.01	4	1.24	.01	.09	1	300
RX 42556	2	87	12	15	.6	4	2	133	1.18	4	5	ND	3	11	1	4	2	2	.04	.021	7	35	.02	582	.01	3	.23	.01	.13	1	1
RX 42557	4	57	7	12	.3	8	2	72	.87	3	5	ND	1	10	1	3	4	2	.04	.014	2	9	.03	535	.01	4	.26	.01	.12	1	3
RX 42558	2	1541	17	71	5.2	95	13	1193	3.25	2	5	ND	2	18	1	2	4	19	.16	.026	11	74	.20	280	.01	2	.59	.01	.17	2	13
RX 42559	3	33	3	11	.2	5	2	103	1.12	2	5	ND	2	7	1	2	2	5	.04	.019	5	5	.01	241	.01	3	.23	.01	.17	1	106
RX 42560	7	24	10	9	.5	1	3	206	.95	18	5	ND	2	10	1	2	2	5	.05	.021	5	3	.01	513	.01	2	.25	.01	.17	1	154
RX 42561	4	43	8	20	.2	7	7	206	1.72	11	5	ND	5	22	1	2	2	6	.10	.050	11	4	.04	931	.01	3	.43	.01	.22	1	8
RX 42562	2	86	11	65	.3	31	12	545	3.51	8	5	ND	3	13	1	2	3	15	.17	.094	14	19	.29	360	.01	2	.66	.01	.24	1	17
RX 42563	1	53	18	72	.4	418	36	1437	5.32	2	5	ND	2	347	1	2	2	85	5.52	.120	12	309	5.02	463	.01	2	3.15	.01	.09	1	1
RX 42564	1	73	2	43	.1	15	11	281	3.03	2	5	ND	3	12	1	2	2	9	.20	.043	9	9	.21	172	.01	2	.74	.01	.20	2	3
RX 42565	1	45	2	10	.1	9	3	113	.77	6	5	ND	5	8	1	2	2	3	.08	.007	5	7	.08	141	.01	6	.31	.01	.14	1	2
RX 42566	1	24	7	56	.1	5	10	719	3.41	2	5	ND	4	12	1	2	2	50	.24	.065	11	11	.63	81	.01	2	1.04	.01	.17	1	2
RX 42567	1	32	6	34	.1	8	7	307	1.91	2	5	ND	2	14	1	2	2	23	.22	.057	10	13	.36	169	.01	6	.82	.02	.17	1	2
RX 42568	29	15	11	12	.4	2	5	138	1.43	73	5	ND	1	9	1	2	2	10	.05	.029	7	19	.04	420	.01	2	.43	.01	.18	1	170
RX 42569	1	10	5	21	.1	5	5	204	1.62	26	5	ND	1	28	1	2	4	8	.11	.039	8	6	.11	956	.01	2	.62	.01	.20	1	2
RX 42570	5	302	6	34	3.0	2	11	359	2.97	3	5	ND	1	4	1	2	2	51	.01	.005	2	23	.20	195	.01	2	.52	.01	.06	4	70
RX 42571	5	13	10	27	.2	2	3	209	2.35	29	5	ND	9	14	1	5	2	22	.07	.042	17	4	.05	47	.01	3	.45	.02	.14	1	6
RX 42575	1	743	10	49	.1	5	18	648	4.08	2	5	ND	5	10	1	2	2	39	.19	.052	34	6	.59	205	.01	9	1.41	.01	.19	2	2
RX 42576	4	1158	2	29	3.4	5	11	474	3.77	2	8	ND	5	3	1	4	6	19	.07	.019	5	6	.15	34	.01	42	.64	.01	.05	5	123
RX 42577	2	581	2	18	1.2	4	19	263	3.70	2	5	ND	2	3	1	2	4	17	.04	.010	5	5	.15	61	.01	8	.39	.01	.07	4	56
RX 42578	22	38	7	13	.2	4	2	68	1.94	119	5	ND	1	8	1	4	3	8	.03	.012	2	5	.02	396	.01	2	.24	.01	.06	1	24
RX 42579	4	624	5	43	.4	3	28	498	6.75	5	5	ND	2	31	1	2	2	61	.22	.028	5	18	.95	272	.07	6	1.26	.03	.05	1	13

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
RX 42572	5	10150 ✓	9	68	5.2	4	621	678	11.99	2	5	ND	4	3	1	2	2	42	.11	.040	9	6	.47	26	.01	11	1.88	.01	.15	1	23	5	7	4
RX 42573	2	176	18	45	.3	5	29	438	15.06	2	5	ND	5	4	1	2	3	35	.10	.033	17	13	.41	57	.03	12	.76	.01	.06	16	9	3	3	2
RX 42574	1	689	4	28	.1	7	12	462	3.70	2	5	ND	4	25	1	2	2	49	.76	.050	13	9	.51	171	.01	5	.90	.01	.14	2	1	2	2	2

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 SILT P2 ROCK AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1989 DATE REPORT MAILED: June 20/89 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1458 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
SX 72480	2	107	15	57	.1	5	8	784	2.59	6	5	ND	1	41	1	2	2	38	.49	.053	37	9	.30	246	.02	2	1.92	.01	.10	1	9
SX 72481	1	172	13	56	.3	6	8	769	2.93	4	5	ND	1	49	1	2	2	42	.47	.050	31	11	.36	256	.03	2	1.94	.01	.12	1	6
SX 72482	1	130	10	66	.2	6	7	766	2.99	9	5	ND	2	44	1	2	2	46	.42	.050	28	13	.37	260	.03	2	1.82	.01	.14	1	15
SX 72483	1	110	8	55	.2	6	7	665	2.57	7	5	ND	3	40	1	2	2	41	.35	.047	25	9	.32	213	.02	4	1.49	.01	.12	1	4
SX 72499	1	21	9	34	.2	6	5	295	1.83	2	5	ND	3	29	1	2	2	30	.21	.026	17	9	.29	79	.02	2	.70	.01	.08	2	2
SX 72500	1	34	10	49	.2	9	7	484	2.72	2	5	ND	5	36	1	2	2	43	.30	.043	20	11	.44	95	.03	8	.96	.01	.11	2	4
SX 072701	1	159	15	93	.5	9	11	979	3.67	2	5	ND	2	26	1	2	2	48	.37	.044	27	15	.63	405	.04	2	2.74	.01	.13	2	25
SX 072702	1	53	19	79	.4	10	7	424	2.38	27	5	ND	3	45	1	2	2	37	.25	.047	21	18	.21	140	.02	3	1.34	.01	.09	1	3
SX 072703	3	18	26	104	.3	7	5	384	2.02	14	5	ND	3	35	1	2	2	24	.17	.058	24	10	.28	131	.04	4	1.67	.01	.08	2	3
SX 072704	1	81	16	106	.6	9	9	607	3.96	5	5	ND	3	31	1	2	2	53	.44	.022	19	18	.43	158	.01	2	2.09	.01	.14	1	6
SX 072705	1	69	3	117	.3	9	13	942	3.84	6	5	ND	4	79	1	2	2	48	.59	.079	13	13	.79	134	.11	2	1.99	.01	.14	2	65
SX 072706	1	49	4	126	.2	8	11	510	4.54	2	5	ND	1	38	1	2	2	91	.28	.017	13	16	.51	217	.06	2	1.67	.01	.16	1	16
SX 072707	5	18	15	84	.1	6	5	247	2.04	8	5	ND	4	40	1	2	2	26	.18	.034	32	11	.26	130	.03	5	1.40	.01	.08	1	4
SX 072708	2	93	15	89	1.9	13	7	490	2.62	2	5	ND	1	59	1	2	4	43	.36	.073	22	19	.39	190	.03	2	3.21	.01	.14	1	20
SX 072709	1	358	15	87	1.2	10	11	889	3.70	3	5	ND	2	36	1	2	2	71	.38	.048	9	19	.78	107	.08	3	2.79	.01	.10	2	14
SX 072710	1	100	10	55	.2	9	7	342	3.00	3	5	ND	5	16	1	2	2	55	.20	.140	24	19	.33	134	.10	2	3.66	.01	.04	1	13
SX 072711	5	58	14	28	.1	8	5	227	2.43	13	9	ND	2	12	1	2	2	44	.23	.143	18	10	.23	36	.17	2	6.33	.01	.03	1	3
SX 072712	1	48	12	52	.1	8	7	435	2.86	4	5	ND	3	11	1	2	2	52	.14	.037	11	13	.30	141	.10	3	2.93	.01	.04	1	3
SX 072713	2	102	14	60	.2	10	8	414	2.80	4	5	ND	1	18	1	2	2	66	.22	.229	8	14	.43	92	.14	3	4.47	.01	.05	1	3

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P2 SOIL P3 SILT P4-P5 ROCK AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 21 1989 DATE REPORT MAILED: June 27/89 SIGNED BY C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1636 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
SX 72801	1	28	8	65	.1	6	8	735	2.72	2	5	ND	3	29	1	2	2	45	.21	.029	21	11	.28	189	.01	2	1.31	.01	.11	2	4
SX 72802	1	20	8	73	.1	7	7	522	2.41	2	5	ND	4	17	1	2	2	35	.16	.072	16	10	.28	129	.03	2	1.49	.01	.07	1	1
SX 72803	1	13	5	47	.1	6	5	347	1.90	3	5	ND	3	17	1	2	3	32	.17	.045	8	8	.17	182	.05	2	1.43	.02	.05	2	1
SX 72804	1	14	6	50	.1	9	7	332	2.95	2	5	ND	5	14	1	2	4	52	.15	.038	12	15	.20	161	.05	2	1.56	.01	.05	1	19
SX 72805	1	14	9	50	.1	7	6	428	2.73	4	11	ND	6	16	1	2	2	45	.16	.037	17	13	.22	166	.05	5	1.68	.01	.06	1	1
SX 72806	1	18	14	64	.1	12	7	212	2.85	2	5	ND	4	17	1	2	3	48	.15	.069	13	13	.23	160	.07	3	2.41	.01	.05	1	1
SX 72807	1	14	8	75	.1	11	6	338	2.47	2	5	ND	5	15	1	2	2	43	.14	.051	12	12	.19	143	.07	4	1.84	.01	.05	1	3
SX 72808	1	13	5	60	.1	7	7	205	2.62	2	5	ND	4	14	1	2	2	44	.13	.093	13	13	.22	107	.05	2	1.26	.01	.05	1	1
SX 72809	1	35	12	52	.3	12	6	579	2.54	2	5	ND	2	90	1	2	2	46	.76	.067	32	35	.34	114	.03	8	1.46	.01	.07	1	3
SX 72810	1	14	12	77	.3	9	5	188	2.32	2	10	ND	5	17	1	2	3	36	.16	.057	13	11	.20	118	.09	6	2.55	.01	.06	1	1
SX 72811	1	12	12	99	.1	12	6	429	2.23	2	8	ND	5	17	1	2	2	34	.18	.133	11	14	.18	131	.07	5	2.03	.01	.05	1	4
SX 72812	1	14	9	109	.3	8	5	482	2.13	2	7	ND	5	13	1	2	3	28	.11	.244	12	9	.14	161	.11	5	3.45	.01	.04	1	3
SX 72813	1	21	15	111	.4	22	7	236	2.53	2	6	ND	5	39	1	2	3	37	.23	.131	13	21	.35	240	.10	5	4.16	.01	.07	1	3
SX 72814	1	17	5	50	.3	21	7	317	1.77	4	9	ND	6	62	1	2	2	36	.42	.022	35	29	.49	74	.05	2	1.33	.01	.07	1	38
SX 72815	1	10	8	96	.2	16	6	373	1.89	2	5	ND	5	32	1	2	2	29	.25	.069	16	16	.27	142	.05	4	1.48	.01	.06	1	1
SX 72816	1	61	23	98	1.1	43	13	867	3.44	7	15	ND	7	196	1	2	3	73	.91	.039	43	109	.84	204	.05	4	3.36	.01	.14	1	14
SX 72817	2	27	8	72	.2	41	11	571	3.26	9	5	ND	5	91	1	2	2	68	.61	.090	31	47	1.15	77	.07	9	1.56	.01	.10	1	10
SX 72818	1	16	14	83	.1	15	7	775	2.18	2	5	ND	4	58	1	2	2	30	.39	.101	24	20	.36	215	.04	3	1.61	.01	.10	1	6
SX 72819	1	12	10	86	.1	15	6	383	2.14	2	5	ND	5	29	1	2	2	31	.21	.118	16	16	.25	163	.07	5	2.42	.01	.05	1	3
SX 72820	1	11	5	41	.1	5	5	202	1.91	2	5	ND	4	21	1	2	2	32	.18	.040	15	11	.21	71	.03	4	.79	.01	.05	2	3
SX 72821	1	5	2	33	.1	3	3	381	1.04	2	5	ND	2	16	1	2	2	22	.14	.018	5	6	.07	68	.04	2	.49	.02	.04	2	2
SX 72822	1	13	11	74	.1	9	6	638	2.31	3	5	ND	4	22	1	2	2	36	.19	.089	11	11	.22	210	.06	3	1.78	.01	.06	1	3
SX 72823	1	15	15	71	.2	10	6	742	2.19	2	8	ND	5	19	1	2	2	32	.18	.069	14	13	.22	214	.07	3	2.24	.01	.06	1	19
SX 72824	1	13	12	76	.1	10	6	556	2.51	4	5	ND	4	34	1	2	2	36	.24	.092	18	15	.27	281	.06	3	2.03	.01	.07	1	10
SX 72825	1	13	9	74	.1	7	6	335	2.23	5	5	ND	5	23	1	2	3	34	.21	.059	15	13	.24	235	.05	4	1.78	.01	.06	1	6
SX 72826	1	16	9	67	.1	11	7	293	2.40	6	5	ND	6	19	1	2	2	34	.14	.094	19	14	.21	275	.05	4	1.88	.01	.07	1	6
SX 72827	1	12	6	90	.1	15	7	342	2.23	2	5	ND	4	24	1	2	2	32	.17	.062	17	14	.25	310	.05	5	1.84	.01	.08	1	1
SX 72828	1	16	20	92	.2	13	8	503	2.71	3	5	ND	3	16	1	2	2	40	.15	.081	18	19	.31	333	.06	4	2.19	.01	.07	1	4
SX 72829	2	129	17	68	.1	9	9	707	3.36	6	6	ND	4	12	1	2	3	51	.11	.057	13	13	.33	178	.07	5	2.59	.01	.06	1	4
SX 72830	2	81	18	55	.3	5	8	920	3.15	3	7	ND	3	16	1	2	3	50	.20	.055	10	14	.30	156	.04	3	1.85	.01	.06	2	21
SX 72831	1	169	9	52	.8	5	10	872	3.20	2	5	ND	3	15	1	2	2	50	.17	.051	12	13	.30	174	.02	4	1.45	.01	.06	1	11
SX 72832	1	49	22	88	.2	8	10	1734	2.82	6	5	ND	2	32	1	2	2	42	.34	.068	16	14	.27	309	.03	5	1.84	.01	.08	1	7
SX 72833	1	20	14	69	.1	6	7	499	2.51	4	5	ND	3	10	1	2	2	34	.10	.136	10	10	.24	126	.03	4	2.03	.01	.05	1	3
SX 72834	1	23	10	96	.1	7	6	646	2.11	6	5	ND	4	18	1	2	2	34	.16	.052	10	11	.21	218	.03	2	1.39	.01	.05	1	7
SX 72835	1	80	44	95	.5	13	11	601	3.65	17	5	ND	5	16	1	2	2	50	.17	.114	14	15	.39	232	.07	4	3.76	.01	.09	1	12
SX 72836	1	99	18	148	.5	11	10	2709	2.76	13	5	ND	3	33	1	2	2	43	.37	.083	12	13	.31	511	.05	4	2.41	.01	.11	1	8
STD C/AU-S	18	61	38	132	7.1	68	31	1046	4.15	42	18	7	37	48	18	19	22	58	.52	.088	38	56	.91	175	.07	37	2.02	.06	.13	12	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
SX 72837	1	99	9	88	.4	10	8	1231	2.39	2	5	ND	3	21	1	2	3	38	.22	.048	11	11	.24	243	.07	2	1.97	.01	.09	1	4
SX 72838	1	50	10	83	.4	7	9	1943	2.50	7	5	ND	3	23	1	2	2	37	.25	.039	9	9	.31	303	.02	2	1.76	.01	.09	1	2
SX 72839	1	21	8	63	.1	6	7	824	2.44	2	5	ND	4	24	1	2	2	42	.23	.027	9	8	.31	227	.02	2	1.29	.01	.12	1	9
SX 72840	1	17	11	109	.3	7	5	508	1.98	2	5	ND	4	20	1	2	2	31	.17	.104	9	9	.16	199	.06	6	2.61	.01	.06	1	5
SX 72841	1	9	10	69	.4	5	4	385	2.08	2	9	ND	5	20	1	2	2	34	.15	.087	12	12	.11	136	.06	3	1.21	.01	.04	1	4
SX 72842	1	11	12	51	.3	8	6	334	2.18	2	6	ND	5	18	1	2	2	33	.15	.127	12	12	.12	123	.09	5	2.38	.01	.04	1	2
SX 72843	1	11	10	87	.2	4	4	2673	1.35	2	5	ND	3	18	1	2	4	24	.13	.105	6	7	.08	175	.07	5	1.40	.02	.05	1	1
SX 72844	1	22	16	83	.5	10	6	166	2.48	2	5	ND	6	30	1	2	2	36	.22	.062	16	12	.19	165	.09	3	3.67	.01	.06	1	4
SX 72845	1	11	13	103	.3	9	5	258	2.14	4	5	ND	4	34	1	2	3	29	.23	.294	8	10	.13	145	.11	9	3.33	.01	.05	1	2
SX 72846	1	9	17	118	.3	7	4	178	1.78	4	5	ND	6	21	1	2	2	25	.16	.072	29	9	.16	183	.04	3	1.54	.01	.07	1	4
SX 72847	1	8	15	160	.3	7	5	354	2.07	2	5	ND	6	22	1	2	2	31	.15	.151	19	12	.15	138	.07	4	1.77	.01	.06	1	3
SX 72848	1	9	12	94	.1	7	4	387	1.33	2	5	ND	4	15	1	2	2	20	.11	.102	21	8	.14	106	.04	2	1.31	.02	.07	1	1
SX 72849	1	10	17	160	.1	22	6	646	1.82	2	5	ND	4	34	1	2	2	24	.27	.137	36	22	.27	265	.06	4	2.01	.02	.09	1	4
SX 72850	1	15	10	168	.2	36	8	494	2.10	2	5	ND	4	43	1	2	2	33	.30	.197	17	60	.44	220	.11	4	2.03	.02	.08	1	1
SX 72851	1	21	13	112	.2	122	14	403	2.61	2	5	ND	4	81	1	2	2	42	.69	.252	23	70	1.35	207	.16	4	2.52	.02	.11	1	2
SX 72852	1	31	9	71	.2	108	12	243	2.76	2	5	ND	5	72	1	2	4	44	.59	.178	22	78	1.34	131	.15	6	2.44	.02	.10	1	1
SX 72853	1	48	8	109	.3	189	19	334	3.44	2	5	ND	4	110	1	2	2	50	1.02	.310	40	64	1.88	127	.17	3	3.29	.01	.11	1	1
SX 72854	1	28	8	102	.3	153	15	332	3.03	2	5	ND	4	75	1	2	2	47	.67	.210	27	43	1.25	150	.18	3	3.00	.01	.11	1	2
SX 72855	1	18	9	82	.3	89	11	605	2.03	2	5	ND	3	64	1	2	2	34	.50	.148	18	23	.76	141	.14	2	1.87	.02	.09	1	4
SX 72856	1	29	10	94	.1	109	12	314	2.60	2	5	ND	4	87	1	2	2	38	.65	.242	27	31	1.02	166	.16	5	2.56	.02	.09	1	1
SX 72857	1	23	4	56	.3	70	12	717	2.21	3	5	ND	3	47	1	2	2	37	.38	.067	12	31	1.17	75	.13	2	1.44	.02	.05	1	1
SX 72858	1	42	9	87	.3	80	13	469	3.21	2	5	ND	6	145	1	2	2	53	.53	.093	24	35	1.08	75	.13	2	2.29	.01	.06	1	10
SX 72859	1	48	6	31	.5	35	5	199	1.35	2	8	ND	3	121	1	2	2	31	.30	.034	18	32	.36	44	.05	2	1.34	.03	.05	1	2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SI 072986	1	12	2	35	.1	5	4	201	1.97	2	5	ND	4	14	1	2	2	37	.19	.049	22	13	.19	85	.05	2	.37	.01	.04	1	5
SI 072987	1	9	10	49	.1	14	6	253	1.84	2	5	ND	3	25	1	2	4	32	.25	.063	26	24	.37	78	.05	2	1.17	.01	.06	1	1
SI 072988	1	14	4	37	.1	5	4	160	1.97	2	5	ND	5	26	1	2	2	35	.15	.027	20	13	.14	117	.05	3	1.16	.01	.04	1	8
SI 072989	1	94	4	33	.3	5	6	276	2.59	2	5	ND	3	10	1	2	2	49	.14	.063	17	14	.29	120	.03	3	1.43	.01	.04	1	25
SI 072990	1	99	15	82	.2	15	11	918	3.52	3	5	ND	1	30	1	2	2	52	.23	.079	19	20	.33	406	.09	2	3.65	.01	.09	1	3
SI 072991	1	56	11	68	.3	8	7	549	3.12	4	5	ND	1	47	1	2	2	47	.41	.085	16	13	.26	395	.03	10	2.23	.01	.09	1	12
SI 072992	2	37	15	118	.1	9	12	2525	3.82	7	5	ND	1	37	1	2	2	53	.23	.085	19	12	.22	585	.02	2	2.07	.01	.09	1	4
SI 072993	1	54	5	40	.2	7	9	344	4.91	4	5	ND	1	19	1	2	2	119	.28	.076	23	18	.33	71	.02	2	.85	.01	.06	2	13
SI 072994	1	60	8	82	.5	9	7	392	2.96	3	5	ND	1	30	1	2	2	49	.23	.050	21	14	.32	228	.03	5	1.93	.01	.08	1	6
SI 072995	7	336	11	87	.5	12	19	1339	4.07	3	5	ND	1	17	1	2	2	65	.25	.082	16	18	.46	141	.10	2	2.41	.01	.06	1	36
SI 072996	1	33	8	78	.3	5	7	1317	2.21	2	5	ND	1	11	1	2	2	42	.09	.058	16	10	.16	158	.02	2	1.52	.01	.06	1	11
SI 072997	1	39	27	72	.1	10	6	211	3.08	3	5	ND	1	17	1	2	2	46	.22	.059	15	15	.21	167	.02	2	1.12	.01	.06	1	3
SI 072998	1	62	12	97	.5	11	10	1256	3.27	5	5	ND	1	39	1	2	2	50	.33	.052	42	14	.29	347	.05	2	3.45	.01	.08	1	6
SI 072999	1	90	19	88	.8	11	9	1423	3.16	9	5	ND	1	24	1	2	2	45	.21	.055	53	15	.27	295	.04	2	2.30	.01	.09	1	8
SI 073000	1	101	14	65	.5	10	8	534	3.50	2	5	ND	5	14	1	2	2	53	.16	.074	12	17	.39	116	.07	4	2.47	.01	.07	1	2

APPENDIX II

Geochemical Sample Descriptions

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 9, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % / oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm				
SX 72480		Silt			49°36' 118°21'	Elev. 4480', 0.3 m wide, 0.05 m deep, spring - source.	9	.1	107				
SX 72481		"			" "	Elev. 4380', 0.5 m wide, 0.1 m deep, good silt.	6	.3	172				
SX 72482		"			" "	Elev. 4300', 0.5 m wide, 0.1 m deep, good silt.	15	.2	130				
SX 72483		"			" "	Elev. 3950', 0.5 m wide, 0.2 m deep, base of intrusive talus slide.	4	.2	110				
RX 42537	Rock		Chip	1x0.5 m	" "	Old pit 2 x 2 m by 1 m deep along sheared monzonite/granodiorite contact.	18	1.4	1499				
RX 42538	"		Grab	0.3x0.3m	" "	Magnetite-rich veins in monzonite; malachite staining, pyrite, chalcopyrite.	67	5.1	2432				
RX 42539	"		"	" "	" "	Open cut; siliceous shear zone with fine pyrite, chalcopyrite in granodiorite.	213	11.9	4171				
RX 42540	"		Chip	0.6x0.2m	" "	Open cut; silicified shear zone in Nelson granodiorite, fine pyrite, chalcopyrite.	4	.1	44				
RX 42541	"		Grab	0.2x0.3m	" "	Old pit 2 x 3 m; rusty shear zone, malachite stains.	300	5.3	1578				
RX 42556	"		"	0.2x0.2m	49°36' 118°20'	Rusty quartz vein; chloritic sericite altered margins.	1	.6	87				

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 9, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. /% /oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm			
RX 42557	Rock		Grab	0.3x0.2m	49°36' 118°20'	Milky white quartz vein in chloritic dacite?	3	.3	57			
RX 42558	"		"	0.3x0.3m	" "	Siliceous dacite with chalcopyrite, malachite staining.	13	5.2	1541			
RX 42559	"		Chip	1.2 m	" "	Fractured, bleached dacite porphyry with vuggy quartz veinlets.	106	.2	33			
RX 42560	"		"	1.0 m	" "	Fractured dacite with quartz fillings, rusty fine pyrite.	154	.5	24			
RX 42561	"		"	1.2 m	" "	Highly fractured quartz feldspar porphyry with less than 1 cm wide quartz.	8	.2	43			
RX 42562	"		"	0.8 m	" "	Across quartz-filled fractures.	17	.3	86			
RX 42563	"		"	1.2 m	" "	Greenish chloritic quartz sandstone tuff.	1	.4	53			
RX 42564	"		"	0.5x0.5m	" "	Mauve coloured, hematitic volcanic breccia; broken-up quartz.	3	.1	73			
RX 42565	"		Grab	" "	" "	Felsic rhyolite tuff with weak quartz stockwork; fine pyrite.	2	.1	45			
RX 42566	"		Chip	1.0 m	" "	Along magnetite-quartz rich fracture in monzonite.	2	.1	24			
RX 42567	"		"	0.2x0.3m	" "	Numerous cross-cutting quartz and quartz-calcite veinlets in monzonite.	2	.1	32			

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 9, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % /oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pt ppb	Pd ppb	
RX 42568	Rock		Grab	0.3x0.3m	49°36' 118°20'	Rusty, Siliceous intrusive; vuggy quartz, boxwork texture.	170	.4	15			
RX 42569	"		"	" "	" "	Rusty veined intrusive with chlorite, ankeritic alteration, grey quartz.	2	.1	10			
RX 42570	"		Chip	" "	" "	Monzonite with quartz-magnetite vein up to 30 cm wide.	70	3.0	302			
RX 42571	"		Grab	0.2x0.2m	" "	Rusty monzonite-syenite pieces with fine gray quartz veinlets.	6	.2	13			
RX 42572	"		"	" "	" "	Up to 10% chalcopyrite, pyrite along fractures of quartz-rich monzonite.	23	5.2	0150	5	7	
RX 42573	"		Chip	2.0 m	" "	Magnetite-rich fracture plane 1-5 cm wide in monzonite.	9	.3	176	3	3	
RX 42574	"		"	1.5 m	" "	Fractured monzonite with magnetite-quartz-feldspar-rich zones.	1	.1	689	2	2	
RX 42575	"		"	"	" "	Fault/shear zone; gouge, broken-up, bleached monzonite.	2	.1	743			
RX 42576	"		"	"	" "	Quartz-rich lead with 1-3% pyrite, chalcopyrite, magnetite in monzonite.	123	3.4	1158			
RX 42577	"		"	"	" "	Quartz-rich zone, broken-up, fractured with 1-5% sulphides.	56	1.2	581			

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 9, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % /oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm				
RX 42578	Rock		Grab	0.2x0.2m	49°36' 118°20'	Well-fractured, rusty, bleached siliceous monzonite.	24	.2	38				
SX 72499		Silt			49°35' 118°21'	Pinto Creek, elevation 3300', 1.2 m wide, 0.3 m deep.	2	.2	21				
SX 72500		"			" "	Pinto Creek, elevation 3610', 1.5 m wide, 0.3 m deep.	4	.2	34				
RX 42579	Rock			0.3x0.3	" "	Pyritic monzonite with malachite staining.	13	.4	624				

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 22, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA (metres)	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (p.p.m. /% /oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel				Au ppb	Ag ppm	As ppm				
RX 41301	Rock		Grab	0.5x0.5	49°35' 118°21'	Residual rock (weathered trachyte) from L7N+900E.	3	.1	2				
RX 41302	"		"	" "	" "	Near L1050N+850E, arkosic conglomerate, rusty patches.	13	.1	11				
RX 41303	"		"	" "	" "	Quartz veined greenish monzonite, chlorite, calcite alteration.	6	.2	3				
RX 41304	"		"	1 x 1	" "	Near L13N+750E, quartz fracture veinlets with pyrite in granodiorite.	4	.6	2				
RX 41305	"		"	0.3x0.3	" "	Residual rock in site L12N+550E, siliceous granodiorite.	9	.1	2				
RX 41306	"		"	1 x 1	" "	Rusty, shear planes with quartz, calcite, chlorite alteration.	5	.1	3				
RX 41307	"		"	1 x 1	" "	Weak hairline stockwork of quartz-chlorite veinlets in granodiorite.	3	.1	2				
RX 41308	Talus		"	1 x 1	" "	Calcite-limonite granodiorite with hairline vuggy quartz veinlets.	8	.1	2				
RX 41309	Rock		"	0.3x0.3	" "	Residual rock from site L10N+550E, veinlets in granodiorite.	1	.1	2				
RX 41310	"		Chip	1 x 1	" "	Felsite intrusive, network hairline fractures of chalcedonic quartz.	6	.1	6				
RX 41311	"		Grab	1 x 1	" "	Rusty, bleached intrusive? some carbonate alteration.	40	9.3	2				

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 22, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA (metres)	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. / % / oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	As ppm				
RX 41312	Rock		Grab	2 x 2	49°35' 118°21'	Foliated, locally sheared, rusty granodiorite with amphibolite alteration.	44	1.4	3				
RX 41313	"		"	5 x 5	" "	Quartz veined fragments, polished slickensides noted.	5	.1	3				
RX 41314	"		"	0.5x0.3	" "	Hematite, carbonate altered granodiorite.	19	.1	14				
RX 41315	"		Chip	0.5x0.5	" "	Greenish granodiorite with chalcopyrite, pyrite, malachite along fractures.	18	.6	2				
RX 41316	"		"	2 x 2	" "	White quartz veinlets with gray bands in monzonite.	23	.2	2				
RX 41317	"		Grab	0.5x0.5	" "	Residual rock from L15N+1000E, clay altered intrusive.	5	.8	62				
RX 41318	"		"	" "	" "	Residual rock from L15N+1050E, rusty arkose pieces.	1	.1	4				
RX 41319	"		"	0.1x0.1	" "	Arkose/quartzite contact with dark quartz veinlet along margins.	1	.1	3				
RX 41320	"		Chip	2 x 2	" "	Weakly veined and fractured rusty monzonite.	4	.1	2				
RX 41321	"		"	1 x 1	49°35' 118°21'	White quartz veinlets in K-spar-hematite altered monzonite.	8	.1	7				
RX 41322	"		Grab	1x0.5	49°36' 118°20'	Nelson granodiorite contact; rusty friable pieces with quartz.	11	.1	50				

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 22, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA (metres)	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. / % / oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	As ppm			
RX 41323	Rock		Grab	0.5x0.5	49°36' 118°20'	Rusty altered dacitic intrusive, some vuggy quartz.	5	.1	34			
RX 41324	"		"	1 x 1	49°35' 118°21'	Near L6N+185E, thin quartz veinlets in chloritic intrusive.	1	.1	2			
RX 41325	"		"	1 x 1	" "	Near L6N+150E, minor fracturing + quartz in limonite intrusive.	2	.1	2			
RX 41326	"		"	1 x 1	" "	L610N+150E; limonite, hematite, quartz-pyrite veined intrusive.	6829	6.9	17			
RX 41327	Talus		"	0.5x0.5	" "	L340N+140E; 3 cm wide quartz veinlet, banded, possible lepidolite.	11	.1	2			
RX 41328	Rock		"	" "	" "	L310N+200E; green andesite? with minor quartz veining.	35	.3	2			
RX 41329	"		Chip	1 x 1	" "	L010N+350E; propylitic altered intrusive, some quartz.	6	.2	2			
RX 41330	"		"	1 x 1	" "	L005N+150E; fractured, rusty intrusive, minor quartz.	3	.1	2			

TRAVERSE NUMBER _____ PROJECT PINTO Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA 75 km N of Grand Forks, B.C. DATE November 3, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA (metres)	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % / oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Cu ppm	Ag ppm	As ppm	Au ppb			
RX 41370	Rock		Chip	2 x 1	49°35' 118°21'	Quartz lead in open cut, with chalcopyrite, pyrite in fractured diorite.	1635	.4	4	10			
RX 41371	"		"	0.5x0.5	" "	Shear zone, thermal bleaching, quartz-sericite-magnetite-pyrite fractures.	2145	1.5	9	240			
RX 41372	"		"	1	" "	Across fractures; rusty quartz-pyrite rich zone in diorite.	118	.4	6	4614			
RX 41373	"		"	0.5	" "	Along strike of siliceous pyritic fractured diorite; 5-8% pyrite.	164	1.6	8	2851			
RX 41374	"		"	0.5x0.5	" "	Rusty, bleached siliceous intrusive, strong chlorite-pyrite alteration.	21	.2	5	175			
RX 41375	"		"	1 x 1	" "	Fine-grained chalcopyrite, pyrite, malachite along fractures in granodiorite.	2667	.1	5	17			
RX 41376	"		"	1 x 1	" "	White-barren looking quartz veinlets in bleached granodiorite.	33	.1	2	2			
RX 41377	"		"	0.5x0.5	" "	Old shaft; N trending shear zone, rusty siliceous pyritic patches.	263	.3	3	8			
RX 41378	"		"	1.2	" "	Series of parallel fractures; friable zones with fine chalcopyrite, pyrite, malachite.	1233	.7	2	76			

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Rohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 16, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % /oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm				
						Contour soil sampling, elevation 3950'							
SX 72801		Soil			49°36' 118°20'	Good sandy soil, just north of outcrop.	4	.1	28				
SX 72802		"			" "	Sandy soil, no roots, no outcrop.	1	.1	20				
SX 72803		"			" "	Ash/clay layers present, no roots.	1	.1	13				
SX 72804		"			" "	As above.	19	.1	14				
SX 72805		"			" "	Fine sand, some roots, no rock.	1	.1	14				
SX 72806		"			" "	Fine sand, some roots, some rock.	1	.1	18				
SX 72807		Soil			" "	Red sand, no rocks, many roots.	3	.1	14				
SX 72808		"			" "	Orange sand, some gravel, no roots.	1	.1	13				
SX 72809		Silt			" "	Minor mud in sample; 0.5 m wide, 0.1 m deep.	3	.3	35				
SX 72810		Soil			" "	Red sand, no rocks, no roots.	1	.3	14				
SX 72811		"			" "	Orange sand, fragments of Nelson Intrusive.	4	.1	12				
SX 72812		"			" "	Orange sand, ash layers nearby, roots present.	3	.3	14				
SX 72813		"			" "	Ash/charcoal layers, roots, rocks, red sand.	3	.4	21				
SX 72814		"			" "	Packed gray clay.	38	.3	17				
SX 72815		"			" "	Brown sand, some roots.	1	.2	10				

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 16, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % /oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm				
SX 72816		Soil			49°36' 118°20'	Black clay, much rock.	14	1.1	61				
SX 72817		Silt			" "	Much gravel in sample, 0.6 m wide, 0.1 m deep.	10	.2	27				
SX 72818		Soil			" "	Angular gravel, gray sand.	6	.1	16				
SX 72819		"			" "	Orange soil, minor gravel, no roots.	3	.1	12				
SX 72820		"			" "	Fine, pale gray/brown sand, some rock.	3	.1	11				
SX 72821		"			" "	White/gray, silty soil.	2	.1	5				
SX 72822		"			" "	Red soil, some roots, no rocks.	3	.1	13				
SX 72823		"			" "	Red soil, no roots, some small rocks.	19	.2	15				
SX 72824		"			" "	As above.	10	.1	13				
SX 72825		"			" "	Red soil, some roots, occassional rocks.	6	.1	13				
SX 72826		"			" "	As above.	6	.1	16				
SX 72827		"			" "	Red soil, much rock.	1	.1	12				
SX 72828		"			" "	As above.	4	.2	16				

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N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 16, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. /% /oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm			
						Contour soil sampling, elevation 4250'.						
SX 72829		Soil			49°36'	Orange soil, no rocks.	4	.1	129			
					118°20'							
SX 72830		"			" "	Brown soil, small rocks.	21	.3	81			
SX 72831		"			" "	Brown soil, small rocks.	11	.8	169			
SX 72832		"			" "	Brown soil, rocks + roots.	7	.2	49			
SX 72833		"			" "	Orange soil, roots and many rocks.	3	.1	20			
SX 72834		"			" "	Light, brown soil, some rock.	7	.1	23			
SX 72835		"			" "	Orange soil, much rock.	12	.5	80			
SX 72836		"			" "	Brown gravelly soil.	8	.5	99			
SX 72837		"			" "	Sample taken 4 m south of station, good sand.	4	.4	99			
SX 72838		"			" "	Shallow B horizon, on top of outcrop.	2	.4	50			
SX 72839		"			" "	Fine, pale brown sand, some roots.	9	.1	21			
SX 72840		"			" "	Good orange sand.	5	.3	17			
SX 72841		"			" "	As above.	4	.4	9			
SX 72842		"			" "	As above, but roots present.	2	.3	11			
SX 72843		"			" "	As above, but roots present.	1	.2	11			

TRAVERSE NUMBER _____ PROJECT PINTO Claim - Granby Project GEOLOGIST(S) D. Bohme

N.T.S. 82E-9 AREA Grand Forks, B.C. DATE June 16, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm. / % / oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	Cu ppm				
						Contour soil sampling, elevation 4250'.							
SX 72844		Soil			49°36' 118°20'	Fine, orange, sticky soil.	4	.5	22				
SX 72845		"			" "	Fine, orange, sticky soil plus roots.	2	.3	11				
SX 72846		"			" "	Pale brown, rocky soil.	4	.3	9				
SX 72847		"			" "	Brown soil, some roots.	3	.3	8				
SX 72848		"			" "	Brown soil, rocky and rooty.	1	.1	9				
SX 72849		"			" "	As above.	4	.1	10				
SX 72850		"			" "	As above.	1	.2	15				
SX 72851		"			" "	Brown soil, some roots.	2	.2	21				
SX 72852		"			" "	Brown, gravelly soil, minor roots.	1	.2	31				
SX 72853		"			" "	As above.	1	.3	48				
SX 72854		"			" "	As above.	2	.3	28				
SX 72855		"			" "	As above.	4	.3	18				
SX 72856		"			" "	As above plus blackened rock fragments.	1	.1	29				
SX 72857		"			" "	Brown soil, roots and gravel.	1	.3	23				
SX 72858		"			" "	Dark brown soil, much rock.	10	.3	42				
SX 72859		"			" "	As above.	2	.5	48				

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 23, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /% /oz. per ton)						
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	As ppm				
SX 72986		Soil			49°35' 118°21'	L7N+750E, 0.4 m deep, hard gray soil.	5	.1	2				
SX 72987		"			" "	L7N+900E, 0.4 m deep, light gray soil, some hard clay.	1	.1	2				
SX 72988		"			" "	L11N+850E, 0.6 m deep, tan-brown sandy soil.	8	.1	2				
SX 72989		"			" "	L13N+750E, 0.5 m deep, tan-brown soil.	25	.3	2				
SX 72990		"			" "	L11N+550E, 0.6 m deep, brown rocky soil.	3	.2	3				
SX 72991		"			" "	L10N+550E, 0.5 m deep, brown soil, steep rocky slope.	12	.3	4				
SX 72992		"			" "	L10N+650E, 0.3 m deep, edge of gully, rocky soil.	4	.1	7				
SX 72993		"			" "	L8N+500E, 0.65 m deep, coarse fluvial sandy soil.	13	.2	4				
SX 72994		"			" "	L7N+600E, 0.5 m deep, light brown-orange soil.	6	.5	3				
SX 72995		"			" "	L21N+700E, 0.4 m deep, dark brown soil, some organics.	36	.5	3				
SX 72996		"			" "	L16N+500E, 0.35 m deep, rocky brown/gray soil.	11	.3	2				

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 23, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /% /oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	As ppm			
SX 72997		Soil			49°35' 118°21'	L15N+550E, 0.5 m deep, brown-orange rocky soil.	3	.1	3			
SX 72998		"			" "	L15N+600E, 0.5 m deep, brown-gray sandy soil.	6	.5	5			
SX 72999		"			" "	L15N+700E, 0.6 m deep, dark brown gritty soil, some roots.	8	.8	9			
SX 73000		"			" "	L15N+800E, 0.4 m deep, brown soil, minor rock.	2	.5	2			
SX 72701		"			" "	L15N+850E, 0.5 m deep, gray-brown soil on steep slope.	28	.5	2			
SX 72702		"			" "	L15N+1000E, 0.4 m deep, gray-brown sandy soil.	3	.4	27			
SX 72703		"			" "	L15N+1050E, 0.45 m deep, sandy light gray soil.	3	.3	14			
SX 72704		"			" "	L16N+1000E, 0.35 m deep, tan-brown colour, crumbly.	6	.6	5			
SX 72705		"			" "	L16N+1050E, 0.4 m deep, fault gouge, crumbly soil.	65	.3	6			
SX 72706		"			" "	L1570N+1050E, 0.4 m deep, hard, gritty soil, minor clay.	16	.2	2			

TRAVERSE NUMBER _____ PROJECT PINTO GEOLOGIST(S) D. Bohme/J. Miller

N.T.S. 82E-8 AREA Grand Forks, B.C. DATE September 23, 1989

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /% /oz. per ton)					
	RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Ag ppm	As ppm			
SX 72707		Soil			49°35' 118°21'	L1530N+1050E, 0.65 m deep, light tan-brown soil.	4	.1	8			
SX 72708		"			" "	L1650N+1050E, 0.3 m deep, dark brown soil under moss.	20	1.9	2			
SX 72709		"			" "	L17N+1050E, 0.4 m deep, brown-gray soil.	14	1.2	3			
SX 72710		"			" "	L3N+200E, 0.5 m deep, sandy brown soil, minor quartz.	13	.2	3			
SX 72711		"			" "	L0+200E, 0.6 m deep, light brown soil, some roots.	3	.1	13			
SX 72712		"			" "	L0+350E, 0.35 m deep, sandy brown soil, rounded rocks.	3	.1	4			
SX 72713		"			" "	L1S+150E, 0.45 m deep, sandy soil with angular rock fragments.	3	.2	4			

APPENDIX III

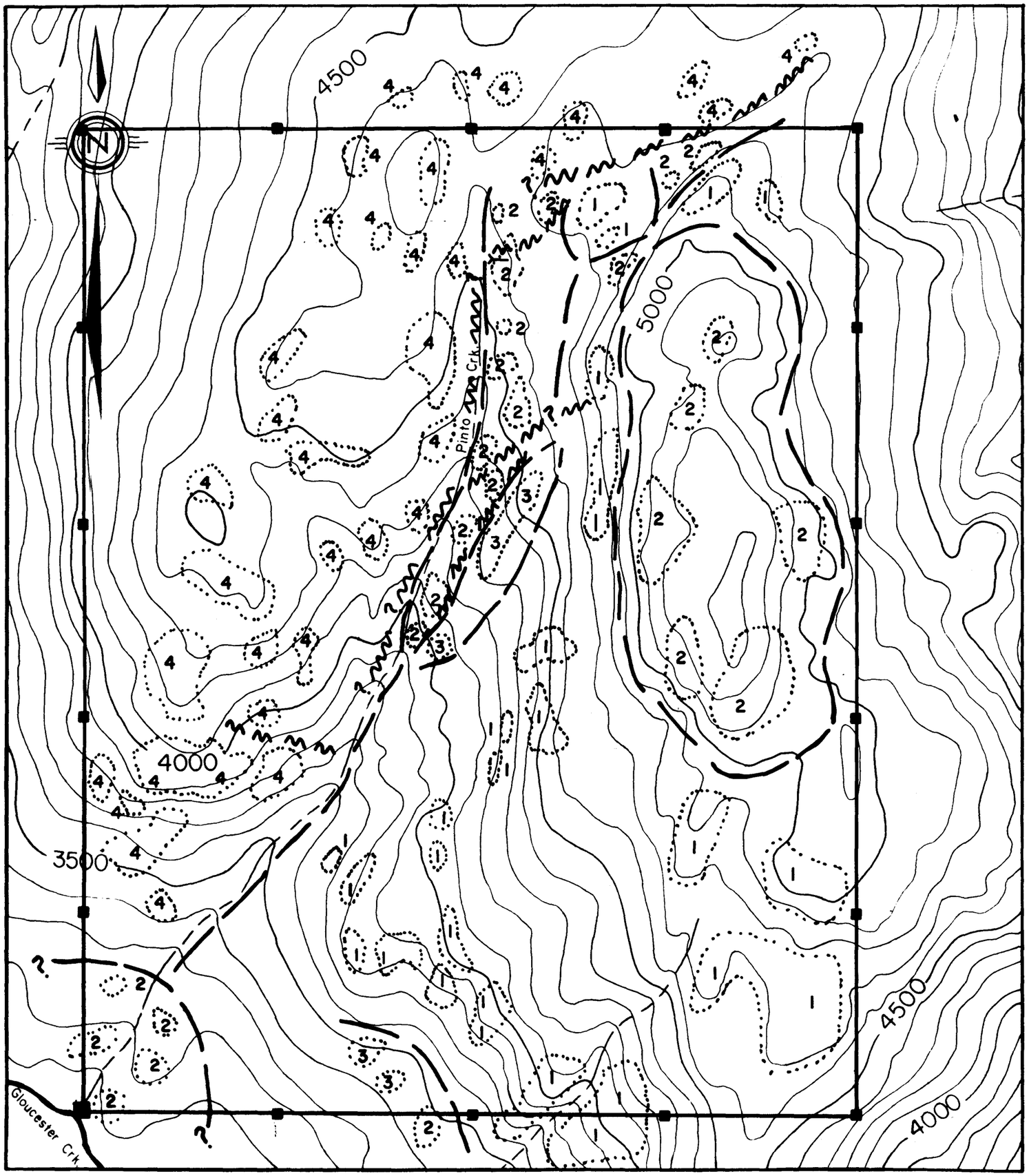
Analytical Procedure - Bondar Clegg

ANALYTICAL PROCEDURES

Geochemical Analysis

by Bondar-Clegg :

ELEMENT		LOWER DETECTION LIMIT	EXTRACTION	METHOD
Au	Gold	5.0 ppb	fire-assay	fire assay AA
Ag	Silver	0.2 ppm	HNO3-HCl hot extr	ind. coupled plasma
As	Arsenic	5.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Ba	Barium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Be	Beryllium	0.5 ppm	HNO3-HCl hot extr	ind. coupled plasma
Bi	Bismuth	2.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Cd	Cadmium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Ce	Cerium	5.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Co	Cobalt	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Cr	Chromium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Cu	Copper	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Fe	Iron	0.05 pct	HNO3-HCl hot extr	ind. coupled plasma
Ga	Gallium	2.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
La	Lanthanum	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Li	Lithium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Mn	Manganese	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Mo	Molybdenum	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Nb	Niobium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Ni	Nickel	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Pb	Lead	2.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Sb	Antimony	5.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Sc	Scandium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Sn	Tin	20.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Sr	Strontium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Ta	Tantalum	10.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Te	Tellurium	10.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
V	Vanadium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Y	Yttrium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Zn	Zinc	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma
Zr	Zirconium	1.0 ppm	HNO3-HCl hot extr	ind. coupled plasma



LEGEND

TERTIARY

MARRON FORMATION

1 — Trachyte, minor dacite – medium to coarse massive flows, dark grey-green, locally porphyritic

PLUTONIC ROCKS

2 — Monzonite, minor quartz monzonite – fine to medium grained

KETTLE RIVER FORMATION

3 — Pebble Conglomerate, minor arkose – whitish to light grey matrix

JURASSIC

NELSON BATHOLITH INTRUSIVE

4 — Hornblende Granodiorite

Adit

Open cut / old trench

Outcrop boundary

Legal corner post

Identification claim post

Geological contact

Fault (inferred)

SCALE 1:10,000

0 100 250 500 m

GEOLOGICAL BRANCH ASSESSMENT REPORT

19,385

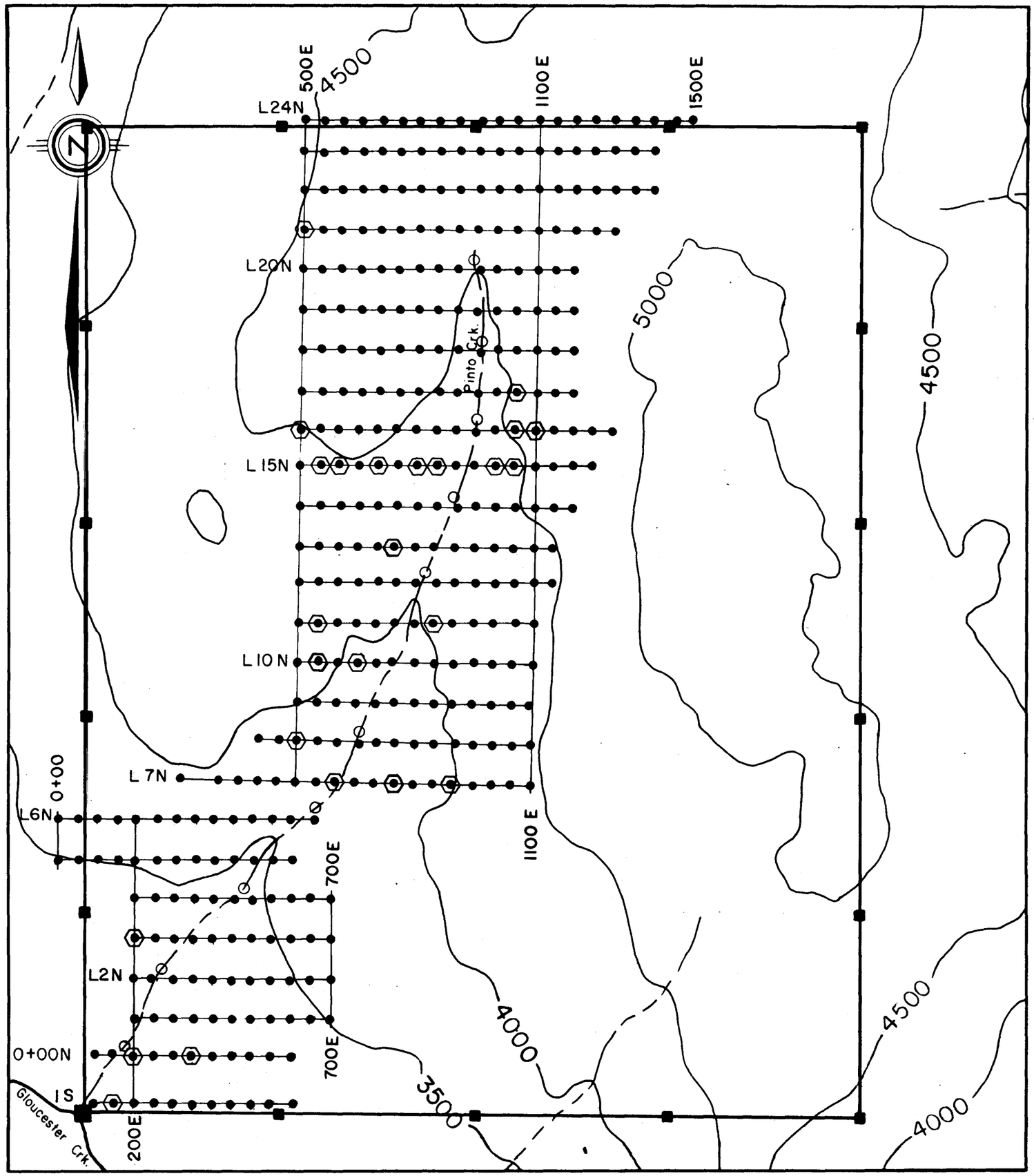
INCO EXPLORATION

PINTO CLAIM

GEOLOGY MAP

82E/9

DATE : Nov. 7, 1989	DRAWN BY : D.B.	MAP NO. : 1



LEGEND

- Soil sample location (samples taken by Discovery Consultants)
- Check soil sample location - -see Table I in report for results (samples taken by Inco Exploration)
- L10N — Flagged grid line
- Legal corner post
- Identification post
- Silt sample location (samples taken by Discovery Consultants)

SCALE 1:10,000

0 100 250 500 m

GEOLOGICAL BRANCH ASSESSMENT REPORT

19,385

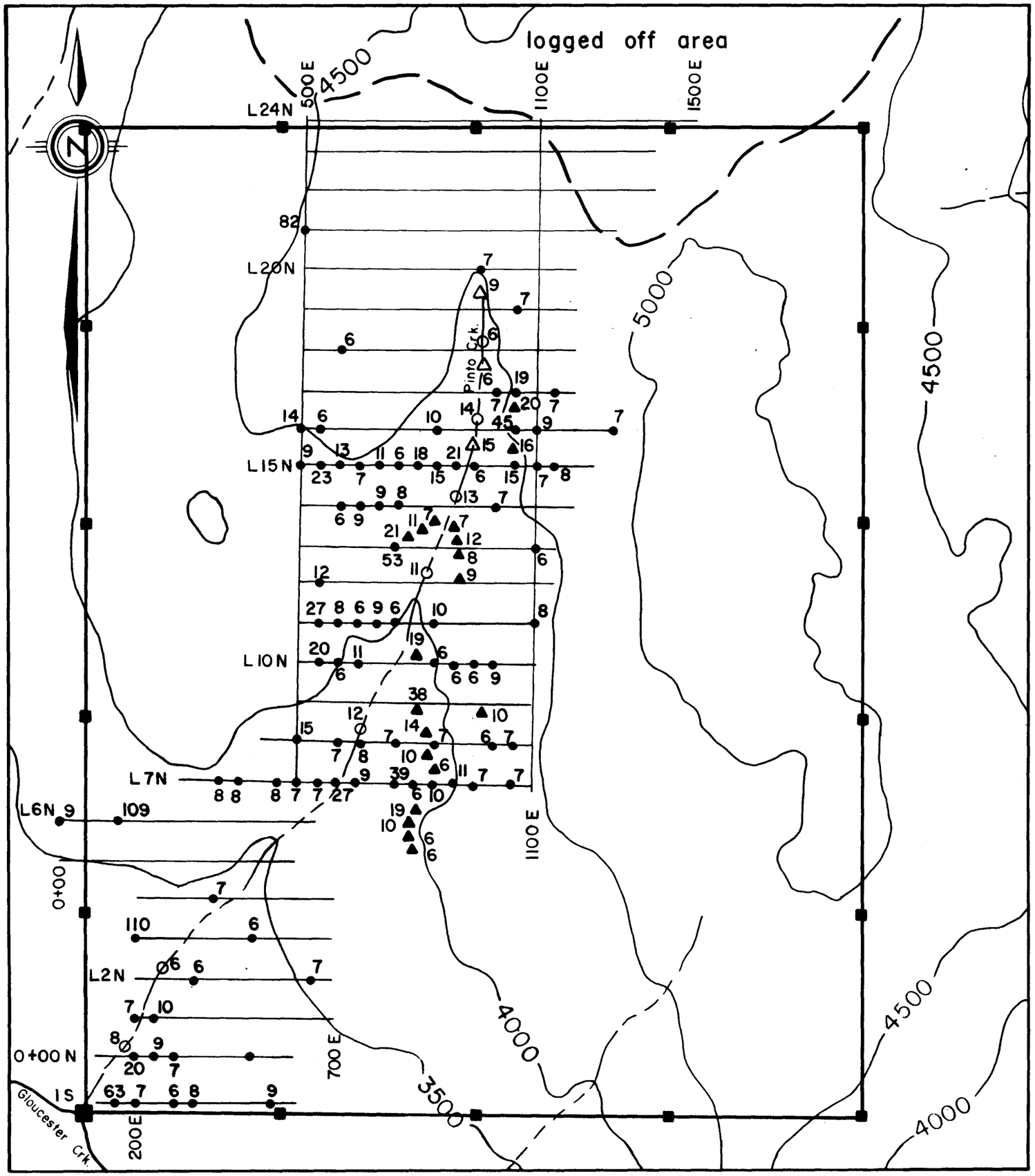
INCO EXPLORATION

PINTO CLAIM

SILT AND SOIL SAMPLE LOCATIONS

82E/9

DATE: Nov. 7, 1989	DRAWN BY: D. B.	MAP NO.: 2



LEGEND

- 9 — Soil sample location with Au results in parts per billion (ppb) (samples taken by Discovery Consultants)
- 6 — Silt sample location with Au results in parts per billion (ppb) (samples taken by Discovery Consultants)
- ▲23 — Soil sample location with Au results in parts per billion (ppb) (samples taken by Inco Exploration)
- 12 — Silt sample location with Au results in parts per billion (ppb) (samples taken by Inco Exploration)
- L10N — Flagged grid line
- Legal corner post
- Identification post

Geochemical results of 6 ppb Au or greater were plotted

SCALE 1:10,000

0 100 250 500 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,795

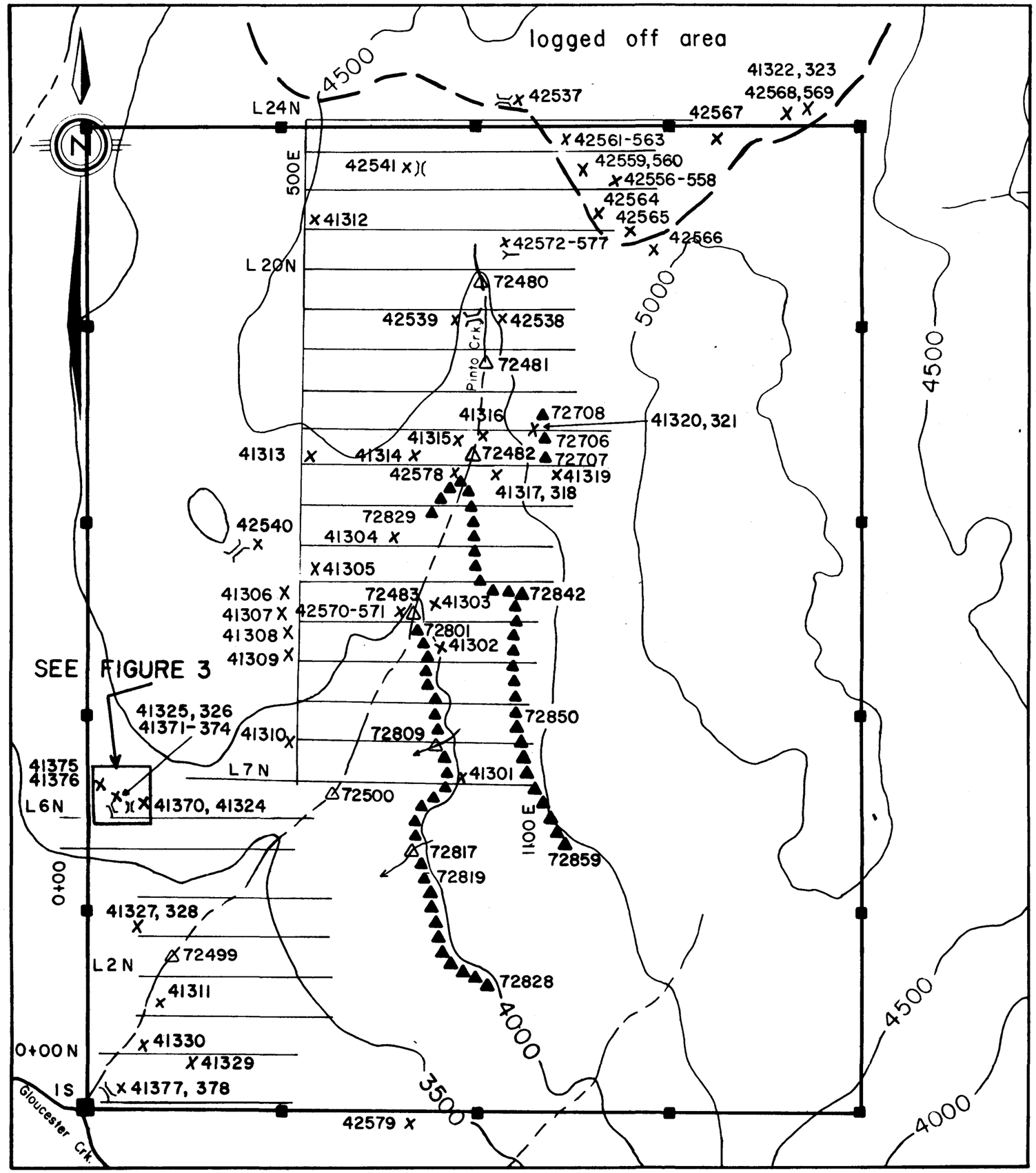
INCO EXPLORATION

PINTO CLAIM

SILT AND SOIL Au GEOCHEMISTRY

82E/9

DATE: Nov. 7, 1989	DRAWN BY: D. B.	MAP NO.: 3



LEGEND

- X42567 — Rock sample location and sample number
- ▲72830 — Soil sample location and sample number (consecutive numbers)
- △72481 — Silt sample location and sample number

All geochemical samples were collected by Inco Exploration

- Adit (see Figure 4 in report)
- Open cut / old trench
- Legal corner post
- Identification post
- L7N — Flagged grid line

SCALE 1:10,000

0 100 250 500 m

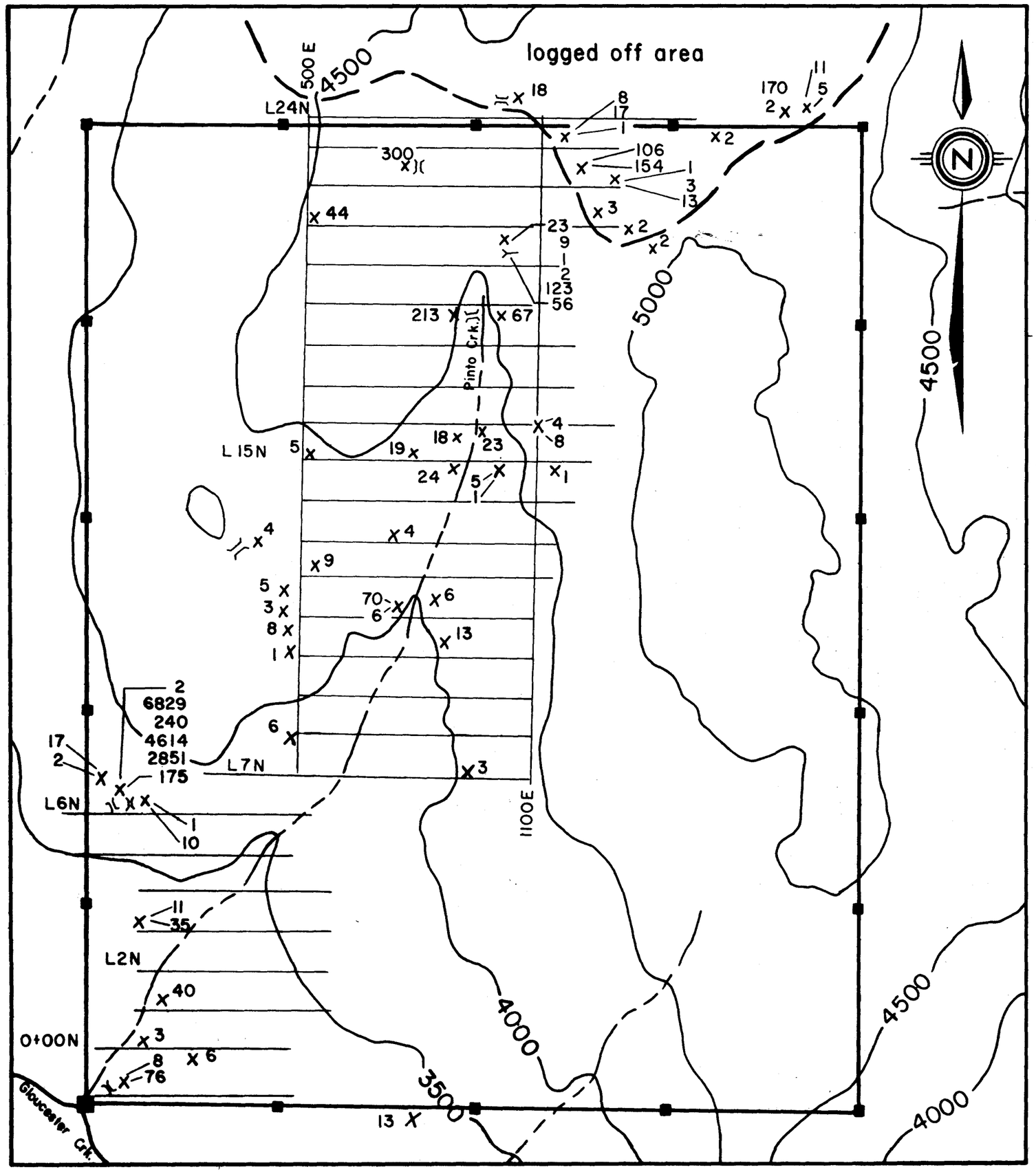
INCO EXPLORATION

PINTO CLAIM

SILT, SOIL AND ROCK SAMPLE LOCATIONS

82E/9

DATE: Nov. 7, 1989	DRAWN BY: D.B.	MAP NO.: 4



LEGEND

- X^{12} Rock sample location with Au results in parts per billion (ppb) (samples taken by Inco Exploration)
- L7N — Flagged grid line
- Adit (see Figure 4 in report)
- Open cut / old trench
- Legal corner post
- Identification post

SCALE 1:10,000

0 100 250 500 m

INCO EXPLORATION

PINTO CLAIM

ROCK SAMPLES Au GEOCHEMISTRY

82E/9

DATE: Nov. 7, 1989 | DRAWN BY: D.B. | MAP NO.: 5