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**GEOLOGICAL AND GEOCHEMICAL REPORT
BRANDYWINE PROPERTY**

NTS 92J/3E

Latitude 50° 05'N Longitude 123° 08'W

Vancouver Mining Division

Property Owner: Silver Tusk Mines Ltd.
Operator: Placer Dome Inc.

R. H. Pinsent

May, 1990

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,047

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1.0 SUMMARY

The Brandywine property, near Whistler, B.C., covers three areas of known polymetallic (Ag, Pb, Zn \pm Au) mineralization (Tedi Pit, Main Zone-Silver Tunnel and McKenzie Mill).

Placer Dome Inc. optioned the property in August 1988 and Company personnel constructed a grid and collected soil samples over the eastern part of the main area of interest, north of Brandywine Creek, the following October. The Company expanded the grid to the west in 1989. Company personnel mapped, prospected and rock sampled (130 samples) the area, and completed a soil geochemical survey (1,015 samples) in the spring of 1989.

The geological and geochemical data suggest that the sulphide mineralization, and associated quartz and quartz-carbonate alteration, is located in a set of narrow, generally northerly-trending shears. These cut plutonic and older pendant rocks within the Coast Plutonic Complex. There is a strong spatial association between mineralization and post-deformational felsic dykes and granite plutons.

2.0 INTRODUCTION

2.1 Location and Access

The Brandywine property is at Latitude 50° 05'N and Longitude 123° 08'W in the Vancouver Mining Division of southern British Columbia (92J/3E). It is approximately 100 km north of Vancouver and 10 km southwest of Whistler (Figure 1). It straddles Brandywine Creek and covers a portion of the Cheakamus River valley north of Daisy Lake (Figures 2 and 3).

The property is readily accessible by road. It covers a variety of forestry and mineral occurrence access roads, which link directly to a major Provincial Highway. The property is cut by a major communications corridor, which runs up the valley of Cheakamus River. The corridor contains Highway 99 (from Vancouver to Pemberton), the B.C. Rail Ltd. right of way, and the Kelly Lake - Cheekye power line.

2.2 Claim Status

The Brandywine property is owned by Silver Tusk Mines Ltd. (#1257, 409 Granville Street, Vancouver, B.C., V6C 1T2) and it is under option to Placer Dome Inc. (#1600, 1055 Dunsmuir Street, Vancouver, B.C. V6C 1A8). Claim details are presented in Table 1.

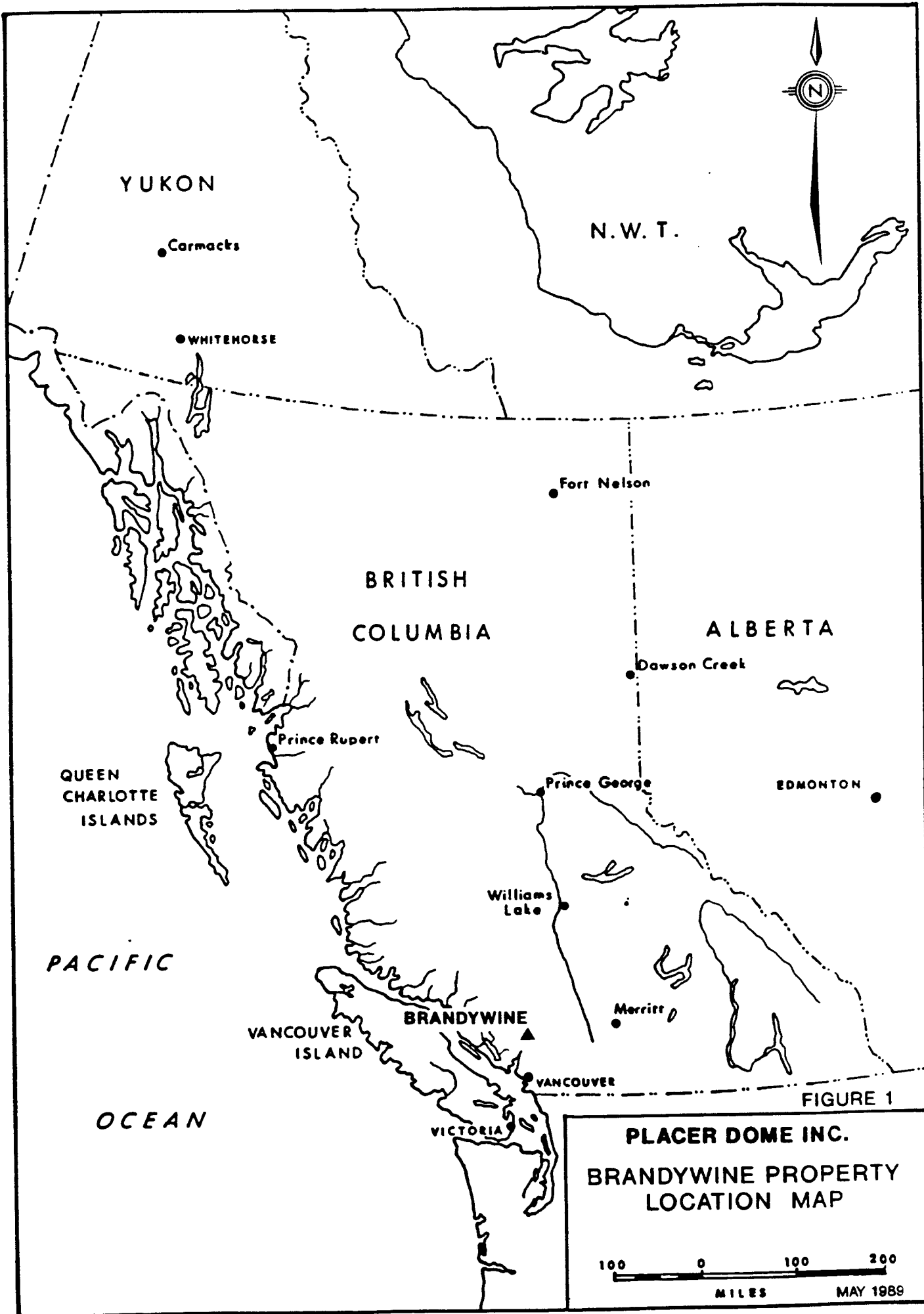


FIGURE 1

PLACER DOME INC.
BRANDYWINE PROPERTY
LOCATION MAP

100 0 100 200
MILES MAY 1989

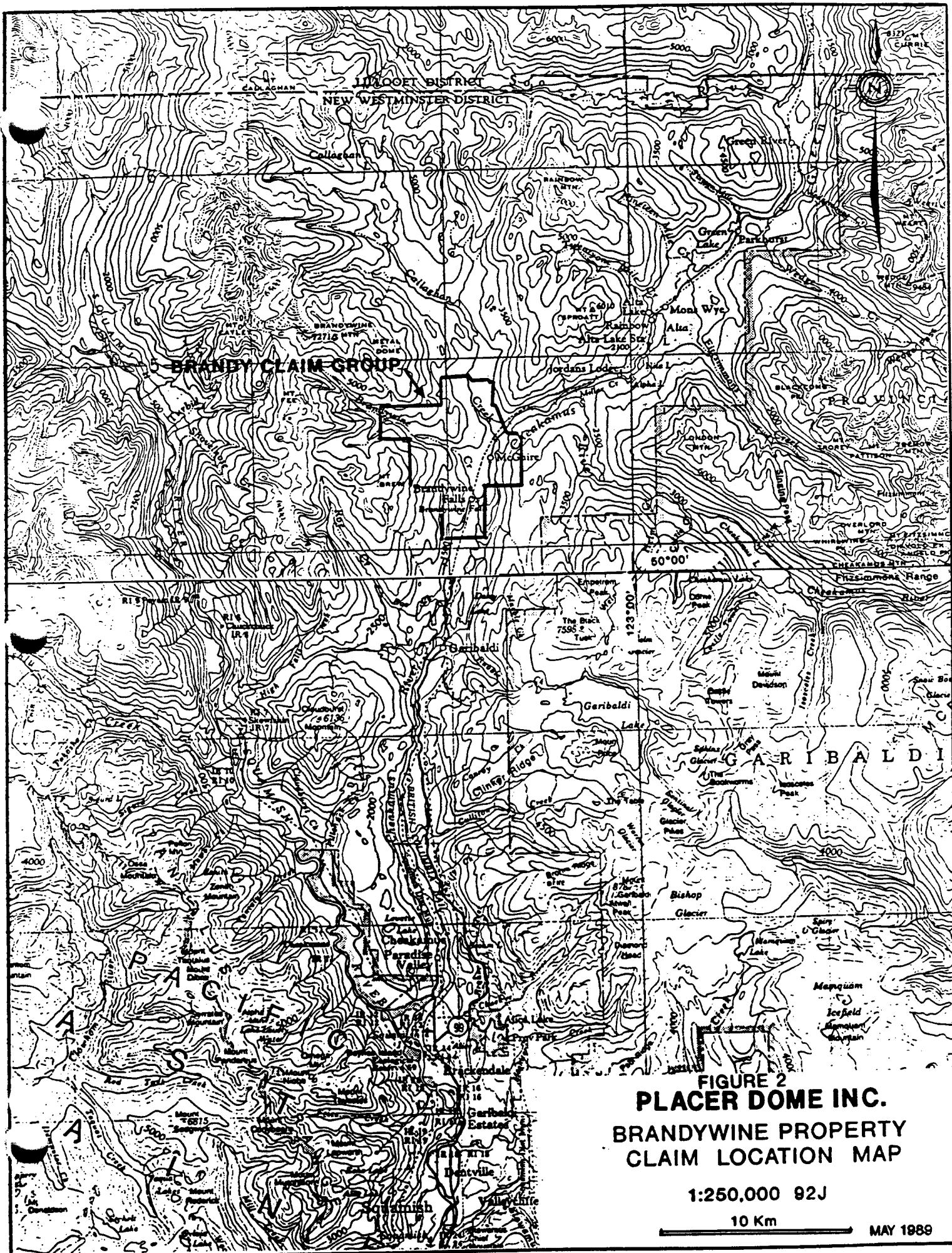
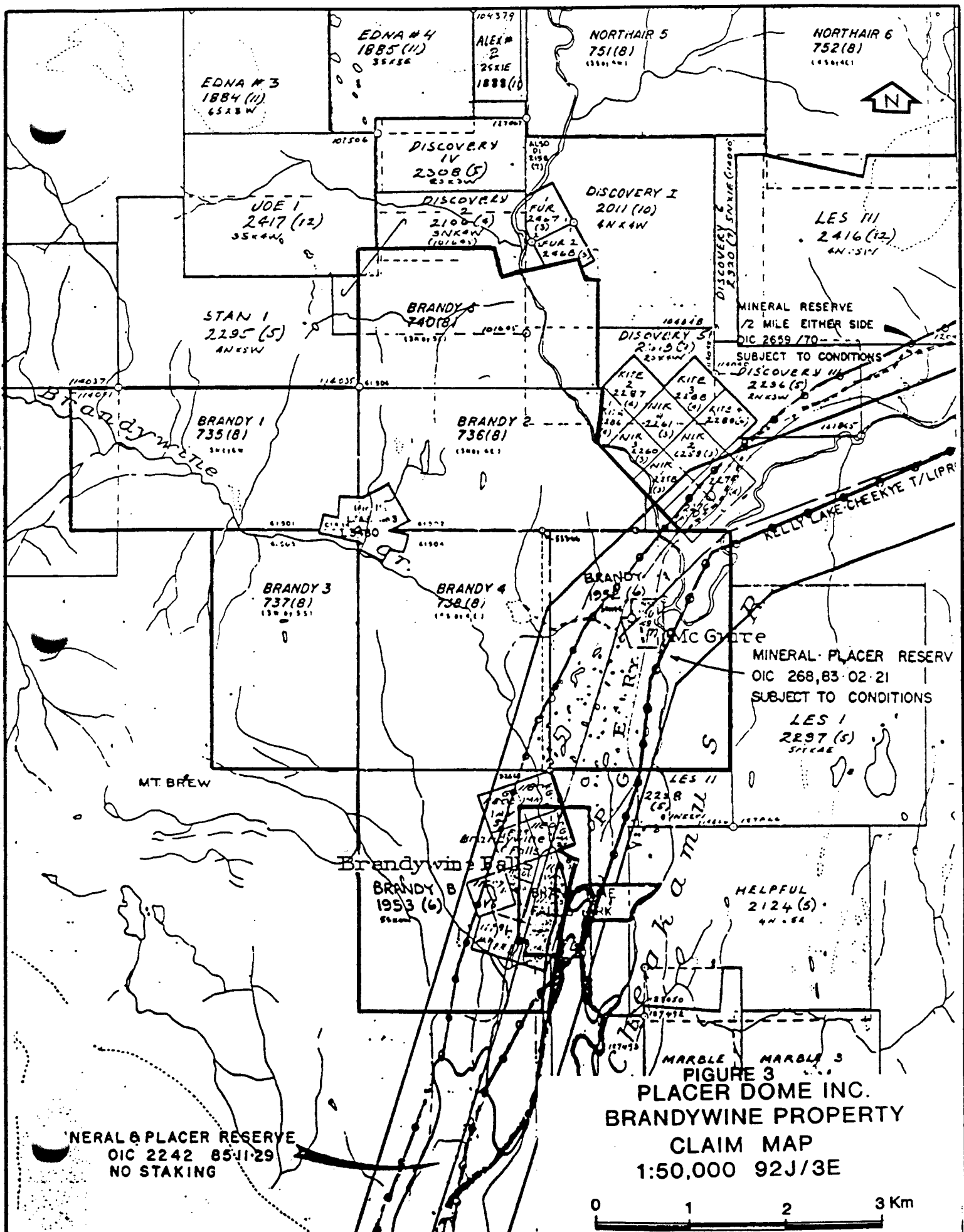


FIGURE 2
PLACER DOME INC.
BRANDYWINE PROPERTY
CLAIM LOCATION MAP

1:250,000 92J

10 Km

MAY 1989



EDNA #3
1884 (11)
6528 W

EDNA #4
1885 (11)
3545 E

ALEX #2
2521 E
1888 (16)

NORTHAIR 5
751 (8)
1380 (101)

NORTHAIR 6
752 (8)
1450 (101)

DISCOVERY IV
2308 (5)
2323 W

DISCOVERY I
2011 (10)
4N24 W

LES III
2416 (12)
4N-51 W

UDE I
2417 (12)
3524 W

DISCOVERY 2
2100 (4)
3N24 W (10160)

STAN I
2295 (5)
4N25 W

BRANDY 5
740 (8)
1320 (57)

DISCOVERY 5
2119 (1)
2324 W

MINERAL RESERVE
1/2 MILE EITHER SIDE
OIC 2659 /70

SUBJECT TO CONDITIONS
DISCOVERY III
2236 (5)
2423 W

BRANDY I
735 (8)
3N26 W

BRANDY 2
736 (8)
1380 (61)

KITE 2
2287 (4)
NIR (1)
2261 (3)
NIR (2)
2260 (2)
NIR (3)
2270 (3)
NIR (4)
2271 (4)
NIR (5)
2272 (4)
NIR (6)
2273 (4)
NIR (7)
2274 (4)
NIR (8)
2275 (4)
NIR (9)
2276 (4)
NIR (10)
2277 (4)
NIR (11)
2278 (4)
NIR (12)
2279 (4)
NIR (13)
2280 (4)
NIR (14)
2281 (4)
NIR (15)
2282 (4)
NIR (16)
2283 (4)
NIR (17)
2284 (4)
NIR (18)
2285 (4)
NIR (19)
2286 (4)
NIR (20)
2287 (4)

MINERAL PLACER RESERVE
OIC 268,83-02-21
SUBJECT TO CONDITIONS

LES I
2297 (5)
5124 E

BRANDY 3
737 (8)
1380 (55)

BRANDY 4
738 (8)
1380 (61)

BRANDY
1958 (6)

MT BREW

Brandywine Falls
BRANDY B
1953 (6)
5600 W

HELPFUL
2124 (5)
4N-54

MARBLE MARBLE 3

MINERAL PLACER RESERVE
OIC 2242 85-11-29
NO STAKING

FIGURE 3
PLACER DOME INC.
BRANDYWINE PROPERTY
CLAIM MAP
1:50,000 92J/3E



MAY 1989

TABLE 1
SCHEDULE OF CLAIMS

Claim Name	Units	Record Number	Anniversary
Brandy 1	18	735	August 11, 1991
Brandy 2	18	736	August 11, 1992
Brandy 3	15	737	August 11, 1991
Brandy 4	20	738	August 11, 1992
Brandy 6	15	740	August 11, 1991
Brandy A	20	1952	June 17, 1992
Brandy B	20	1953	June 17, 1993
Van V	1	11657	April 19, 1992
Van 23	1	11791	June 2, 1992
Van 29	1	11797	June 2, 1992
Van 30	1	11798	June 2, 1992
Van 31	1	11799	June 2, 1992
Van 32	1	11800	June 2, 1992
Van 33	1	11801	June 2, 1992
Van 34	1	11802	June 2, 1992
Van 35	1	11803	June 2, 1992
Van 36	1	11804	June 2, 1992
Van 37	1	11805	June 2, 1992

2.3 Past Exploration

Most of the mineral showings on the Brandywine property were originally located and explored in the early 1900's. Several of the showings, including the Tedi Pit (Astra, Cambrian), Main Zone (Blue Jack) and Silver Tunnel (Figure 5) are described in the British Columbia Ministry of Mines Annual Report for 1936.

Mr. M. Levasseur acquired much of the Brandywine property between 1962 and 1965. He transferred the claims to Van Silver Explorations Ltd. and the company explored the principal showings intermittently through to 1970, when the property was taken under option by Noranda Mines Ltd.

Noranda constructed 75 line km of grid over the Silver Tunnel, Main and Astra (Tedi Pit area) showings in 1970, and conducted a variety of geological, geochemical and geophysical exploration programmes in 1970 and 1971. The Company subsequently returned the property to Van Silver.

Van Silver Explorations Ltd. merged with Tedi Resources, owner of the adjacent Tedi (Tedi Pit) showing, to form Van Silver Mines Ltd. in 1975. The Company constructed a mill (150 tons/day) and processed a small amount of ore from the Silver Tunnel and Main Zone showings in 1977.

Cominco Ltd. optioned the property a year later and conducted a limited diamond drill programme designed to test previously identified exploration targets.

Van Silver was restructured into Silver Tusk Mines Ltd. in 1979, and the property was optioned to Brett Holdings Ltd. The company transferred its interest in the Brandywine property to Brandy Resources Inc. the following year. Brandy Resources explored the property between 1980 and 1983. The Company conducted an underground development programme below the old Silver Tunnel adit, ran diamond drill programmes around the Silver Tunnel and Tedi Pit showings and included the property in an airborne geophysical survey. The Company also ran a variety of soil geochemical surveys.

Placer Dome Inc. optioned the property in 1988 and constructed 45 line kilometres of grid slightly to the east of the principal showings. The Company carried out an autumn soil geochemical survey. The results are discussed in a report, entitled "Geochemical Report on the Brandywine Property", which was prepared by R.H. Pinsent in April, 1989.

2.4 Current Exploration (1989)

The exploration programme carried out in 1989 was designed to determine the extent and significance of a gold-bearing, polymetallic, soil anomaly which was identified on the slope above the old McKenzie Mill Site (Figure 5) in 1988.

The programme included: (1) the construction of approximately 30 line kilometres of additional grid, (2) prospecting, and geological mapping at 1:5,000 scale, (3) a soil geochemical survey, and (4) a ground geophysical survey. The results of the geophysical programme are discussed in a report entitled "Geophysical Survey Report on the Brandy 1-4,6,A,B, and Van 23, 29-37, V Claims; Mining Lease 3". The report was prepared by R.W. Cannon in October, 1989.

The programme commenced on 8th May and continued intermittently into August, 1989. It was undertaken by a six man crew based in Whistler.

Most of the new grid lines were added to the west side of the 1988 baseline (L50+00E; Figure 4). Lines were run at 100 m intervals from L58+00N to L85+00N. They were constructed, running west, using a compass and hip chain. They were flagged at approximately 10 m intervals and grid stations were marked with luggage labels every 20 m.

A small amount of grid was added to the south and east of the baseline. A subsidiary baseline (L55+00N) was constructed south of L57+00N and 100 m spaced cross lines were added south to L52+00N; Figure 4).

The resultant grid covers the known area of interest on the property. It extends from Brandywine Creek in the south to Dority Creek in the north, and from a point west of the Silver Tunnel showing in the west to Callaghan Creek in the east.

Two contour soil lines (L23+00 and L25+00) were run on the steep north and easterly facing slopes above Brandywine Creek and two reconnaissance soil lines (WL 1N and WL 2N) were run due west from Brandywine Creek (Figure 4).

3.0 GEOLOGY AND MINERALIZATION

3.1 Regional Geology

The Brandywine property covers part of a deformed and recrystallized roof pendant that is confined within the plutonic rocks of the Coast Plutonic Complex. It covers a mixed package of igneous and metamorphic rocks that can be divided into four principal components. These are:

- 1) Slivers of metavolcanic and metasedimentary rock that appear to be disaggregated remnants of the Callaghan Roof Pendant (Gambier Group?);
- 2) deformed and locally strongly-sheared, coarse to medium-grained, plutonic rocks of the Coast Plutonic Complex;

- 3) relatively undeformed felsic plutons, and related dykes, emplaced along shears and
- 4) supracrustal (Garibaldi Group) mafic volcanic rocks.

The geology of the area reflects the prolonged history of deformation and magnetism that accompanied the development and emplacement of the Coast Plutonic Complex. The rocks contain several mineral showings (Silver Tunnel, Main Zone, Tedi Pit, McKenzie Mill, Quartz Tunnel; Figure 5). Most are polymetallic, containing Pb, Zn, Ag with or without Au, As and W. Some are pluton-related skarn occurrences. Others are more clearly structurally controlled.

3.2 Property Geology

The Brandywine grid was mapped at 1:5,000 scale by A. Sutherland Brown (Figure 5). Two of the principal showings (Main Zone and Tedi Pit) were examined in detail. The property off the grid was given only a cursory examination.

The rocks on the property are divided into the four main categories described above. They are (1) pre-plutonic rocks; (2) plutonic rocks; (3) syn- to post-plutonic hypabyssal rocks and (4) post-plutonic, supracrustal, volcanic rocks.

3.2.1 Pre-plutonic (Callaghan Roof pendant; Gambier Group ?) Rocks

The Brandywine grid covers numerous small areas of aphanitic to fine-grained "greenstone" of uncertain origin (Unit 1; Figure 5). The rocks are strongly recrystallized. Most consist of approximately equal amounts of hornblende and feldspar, with only a minor amount of epidote. The texture of the rock varies from place to place. In some localities it is dense and massive, elsewhere it is weakly to strongly schistose. Very locally the rocks display textures which suggest a tuffaceous origin.

The "greenstones" are probably minor remnants of an intermediate marine volcanic package similar to that exposed to the west of the B.C. Rail line, immediately to the south of the Highway 99 crossing.

There is a small amount of white to light grey carbonate (Unit 2) interbedded with the "greenstone" at two localities on the grid (L 65+00 N - 54+00 E; L 77+00 N - 51+00 E; Figure 5). The carbonate is a finely recrystallized marble, which is locally converted to a garnetiferous skarn.

3.2.2 Plutonic Rocks (Coast Plutonic Complex)

Figure 5 shows that there are eight varieties of plutonic rock underlying the grid. These include four seemingly separate, elongate, bodies of diorite (Units 3 to 6); an enveloping mass of granodiorite (Unit 7); a "mixed gneiss" unit (Unit 8) on the western flank of the complex and two small plugs of granite (Units 9 and 10). The relationships between the various plutonic bodies are not fully understood. The dioritic phases appear to be early, subvolcanic, plutons. The more felsic phases are younger. They appear to have been emplaced during uplift of the Coast Plutonic Complex.

Hybrid diorite (Unit 3) forms an irregular body in the centre of the grid. It is extremely heterogeneous at the scale of an outcrop and it is commonly charged with a variety of fish-shaped inclusions. It consists of coarse to medium-grained (3-5 mm) diorite cut by, and intermixed with, a finer grained (1-2 mm) variety. The assemblage is commonly flow-banded to agmatitic. In the latter case the assemblage is commonly cut by thin dykelets of leucodiorite and/or aplite. The inclusions are mostly recognizable blocks or screens of Unit 1 "greenstone".

Hornblende Diorite (Unit 4) forms a large mass, bounded by faults and intrusive contacts, underlying the western half of the grid. The rock is largely massive and medium to coarse-grained (3-5 mm). Locally it grades into quartz diorite.

Hornblende quartz diorite (Unit 5) occurs as a small pluton in the eastern part of the grid. It is slightly variable in both grain size (1-3 mm) and composition. Hornblende ranges from 25 to 40 %, feldspar from 50 to 70 % and quartz from 5 to 10 % of the rock. The rock commonly displays a primary flow foliation. It appears to intrude, and be intermixed with, remnants of "greenstone" along its western margin.

Porphyritic diorite (Unit 6) forms a distinct pluton in the vicinity of the McKenzie Mill Site (Figure 5). It is a fine-grained (<1 mm) mottled, flow-banded rock which contains between 20 and 30 % of medium-grained (2-4 mm) laths of plagioclase. It is locally charged with "greenstone" inclusions. It commonly contains 1-2 % of pyrite.

Granodiorite (Unit 7) appears to envelope and intrude older rocks. It is light coloured and fairly uniform in both texture and composition. It is predominantly a medium-grained (2-3 mm) rock composed of 55 to 60 % feldspar (including 10 % of orthoclase), 25 to 30 % quartz, and around 10 to 15 % of chlorite derived from biotite.

Most specimens contain around 0.5 % of sphene. Marginal facies, near intrusion contacts, are commonly somewhat more variable in grain size, texture and composition. Where sheared, granodiorite either becomes strongly foliated or it becomes converted into a carbonate-altered quartz sericite schist.

The "mixed gneiss" unit (Unit 8) is located in the western part of the grid. It is extremely variable in form and composition. It ranges from "mafic gneiss" (which appears to be recrystallized, schistose, "greenstone" with a small amount of intermixed aplitic to pegmatitic felsic material) to "felsic gneiss" (which are large masses of leucogranite with only a minor mafic component). The felsic material is largely, but not invariably, concordant to gneissosity. The unit would appear to have formed through injection of felsic material into pre-existing volcanic rocks.

Coarse-grained granite (Unit 9) occurs as a small plug at the south end of Martial Lake (Figure 5). It is a coarse-grained (<1.0 cm), graphitic, leucogranite with local knots of aplite. It is composed of quartz (30 %), chlorite derived from biotite (5-10 %) and orthoclase feldspar. It is most likely a late phase of the granodiorite (Unit 7).

Fine-grained aplitic granite (Unit 10) occurs as a small elliptical plug on the central hill 400 metres southeast of Martial Lake (Figure 5). It is light grey and it consists of well-shaped crystals of biotite and plagioclase (1 mm grain size) in a slightly finer (0.5 mm), aplitic textured, matrix of quartz and orthoclase.

3.2.3 Syn-to Post-Plutonic Hypabyssal Rocks

The pre-plutonic and plutonic rocks exposed on the property are, with the exception of Unit 10, weakly to strongly deformed. The units display a crude northerly alignment and are cut by a series of northerly-trending shears. The hypabyssal rocks reflect periodic episodes of high-level magmatism which occurred at intervals throughout the evolution of the assemblage. The early dykes (Units 11 and 12) probably reflect early volcanic activity (Gambier Group). The intermediate dykes (Unit 13) reflect late-syn deformational magmatism and the late dykes (Units 14-16) probably reflect late volcanic activity (Garibaldi Group).

Grey feldspar porphyry (Unit 11) occurs as a 30 metre wide, schistose, plagioclase porphyry dyke which cuts hybrid diorite west of Martial Lake (Figure 5). Inclusions of similar material occur within the diorite suggesting that the two units may be more or less contemporary.

There are three distinct varieties of early andesite dykes (Unit 12; aphyric, trachytic and porphyritic). The dykes occur in exposures of early diorite (Units 3-6), are compositionally very similar to the diorite and are probably related to it.

Quartz feldspar biotite porphyry (Unit 13) occurs in several widely spaced localities. It consists of a fine-grained white matrix with 5-8 % of 1-3 mm biotite and plagioclase phenocrysts. The rock is weakly schistose suggesting an intermediate age.

There are three varieties of late dykes. The most common are fine, sugary textured (0.1-0.2 mm) to aphanitic or sparsely quartz porphyritic, bone coloured, felsic dykes (Unit 14). They are commonly, but not invariably, located in northerly-trending shear zones. Some appear to radiate out from the coarse-grained granite plug (Unit 9). Others are associated with a fine-grained pluton (Unit 10).

The granite plug comprising Unit 10 contains a complex body of dacite (Unit 15). This is composed of a dark grey, aphanitic, dacite and an inclusion charged, diatreme, breccia cemented by dacite. Most of the inclusions are rounded fragments of locally derived granite and felsite.

A few small occurrences of sparsely feldspar porphyritic andesite (Unit 16) were noted in and around a northerly trending shear zone west of Martial Lake (Figure 5). The rock is mafic in composition and weakly magnetic.

3.2.4 Post Plutonic Volcanic Rocks (Garibaldi Group)

The eastern part of the map area is covered by fresh, vesicular, basalt derived from an eruptive centre on Callaghan Creek. The basalt is sparsely porphyritic, containing a few percent of small (1-2 mm) olivine and plagioclase phenocrysts. The lava is restricted to the valley floor where it ponded following a major period of uplift and erosion.

3.3 Structure

The rocks exposed on the Brandywine grid reflect a long history of deformation and plutonism about a generally northerly-trending axis. The early pendant rocks and the diorite plutons are oriented in a north to northeasterly direction. Both they and the younger granodiorite are cut by northerly directed shear zones, which have helped to control the emplacement of still younger, hypabyssal intrusions.

There is little remaining evidence for extensive folding on the property other than the distorted nature of the limestone outcrop at L77+00N 52+00E (Figure 5). Original bedding (S1) is largely obliterated by a younger foliation (S2).

Figure 5 shows that the rocks underlying the grid are cut by a series of imbricated, generally northerly-trending, shears. These commonly comprise a two-to three-metre wide zone of schistose, intensely quartz-sericite-carbonate altered, rock enveloped by wider zones of increased fracture density. The zones commonly strike in a north to northeasterly direction and dip steeply at 70 to 80 degrees to the west. Some foliation planes show a steep southerly directed lineation.

The shears are commonly located in gullies that mark contacts between rock units. Ridge tops are more likely to be composed of massive rock. Geological mapping suggests that there are at least six shear-bounded blocks within the confines of the grid. In most instances the shears are composite; they are composed of several distinct splays. The structures appear to be long-lived, ductile, shears which were reactivated in a brittle manner to accommodate the emplacement of the young intrusions.

Interpretation of geophysical data and air-photographs indicates the presence of a major, unmapped, northwesterly-trending splay which projects from the McKenzie Mill Site (L57+00N - 55+00E; Figure 5) to the dacitic diatreme outcrop (Unit 15; L67+00N - 52+50E; Figure 5). This structure appears to have localized the emplacement of a suite of felsic dykes (Unit 14) which are well-exposed in the vicinity of the McKenzie Mill Site.

There is some evidence to suggest the presence of a relatively young, northeasterly-trending, structure near the south end of the grid. The schistose diorite of the Main Zone is locally deformed and the granite body comprising Unit 10 at L67+00N - 51+50E (Figure 5) has a sharp northeasterly oriented northern termination.

3.4 Mineralization

Several small mineral occurrences are located on the grid. The principal showings studied to date are the Tedi Pit, Main Zone, Silver Tunnel, McKenzie Mill, Quartz Tunnel and Zinc Skarn prospects (Figure 5). Of these, the Tedi Pit, Main Zone and McKenzie Mill showings were of most interest during the current programme. The Silver Tunnel showing is inaccessible as slumped till has covered the adit entrance.

The Tedi Pit showing occurs in a "greenstone" (Unit 1) remnant lying to the east of a major shear (Figure 5). The "greenstone" is cut by dykes of hornblende diorite (Unit 4) and by a discrete body of quartz feldspar porphyry (Unit 13). The mineralization occurs in a zone approximately 150 metres long and 20 metres wide. It is vertical and it strikes at approximately 330 degrees. The zone comprises a sulphide stockwork.

There is a semi-massive sulphide occurrence at the north end where it discordantly abuts the quartz feldspar porphyry intrusion. The mineralization consists of variable amounts of pyrite, sphalerite, galena and chalcopyrite. Tetrahedrite was not identified in the field but it also may be present.

The Main Zone mineral occurrence was excavated in 1977 and it is no longer visible. The surrounding rocks show that it is contained within an 80 metre-wide deformation zone cutting an area of hornblende diorite (Unit 4). The diorite within the zone is highly sheared and schistose (S2). The zone strikes approximately due north and dips steeply to the west. Three shears within the zone, located approximately 25 metres apart, contain ankerite or ferroan dolomite.

The primary schistosity (S2) is locally folded and overprinted by a secondary schistosity (S3), which strikes 80 degrees and dips at 65 degrees to the south. The intersection of the two planes produces a pronounced lineation.

Mineralization still visible in the vicinity of the Main Zone pit consists of disseminated and stockwork pyrite with a minor amount of sphalerite, galena and chalcopyrite. Sulphide bands are common in the plane of the main, northerly-trending, schistosity (S2). The orebody was reported as polymetallic with a high sphalerite and galena content.

The Silver Tunnel showing was not examined. Previous descriptions indicate that it contains polymetallic sulphide mineralization which is associated with quartz-carbonate alteration adjacent to a felsic dyke. The dyke has been emplaced along a northerly-trending shear. The showing is downhill from the Main Zone and it is likely located on a separate strand of the same shear system (Figure 5). The showings may be separated by a relatively flat lying fault which is not well-exposed. A suite of late-stage, quartz-carbonate, gash veins found on the same hillside to the southeast may be related to the fault. These strike in a southeasterly direction and dip at a shallow angle to the northeast.

The McKenzie showings are scattered on the hillside above the Mill Site (Figure 5). They consist of a set of minor, subparallel, shears which host small sulphide occurrences. The shears are probably related to a structure that is inferred to define the contact between porphyritic diorite (Unit 6) and granodiorite (Unit 7). The contact is not mapped as a fault (Figure 5), but it is a pronounced topographic lineament. The diorite adjacent to it is marked by a prominent gossan. Several of the shears cutting the diorite (Unit 7) on the east side the contact contain narrow, altered, felsic dykes (Unit 14; Figure 5).

The gossan reflects a zone of pyritic stockwork development that follows the trend of the main structure and the related dyke swarm. Pyrite occurs both as coats on random fractures peripheral to shear zones and as disseminations along the foliation planes within the main carbonate and quartz-sericite altered shear zones. The latter also contain pyrite, sphalerite and galena stringers parallel to foliation. There is only local evidence of silicification.

Shear zones encountered elsewhere on the grid show sign of weak to intense quartz-sericite and ankerite or ferroan carbonate alteration. The shears are commonly rich in disseminated pyrite. They locally contain small amounts of base metal sulphides, most commonly sphalerite and galena.

The Quartz Tunnel showing is on the south side of Brandywine Creek (L58+00N - 48+00E; Figure 5). It is a drusy quartz vein that contains pyrite, sphalerite and galena. Other, smaller quartz veins also were noted on the property. Most follow the regional northerly trend. Some were observed to strike in a northeasterly direction, subparallel to the S3 schistosity noted near the Main Zone pit.

4.0 GEOCHEMISTRY

4.1 Rock Geochemistry

The locations of 130 rock samples that were collected on the Brandywine property are shown in Figure 4. The samples were shipped to the Placer Dome Inc. Research Laboratory in Vancouver where they were analysed for silver, arsenic, gold, copper, lead and zinc. Sample descriptions are presented in Appendix 1(a) and analytical results are listed in Appendix 1(b). The analytical data reflects the presence of several styles of mineralization. The principal style appears to be a form of precious metal-bearing, polymetallic, mineralization. This is dominated by Ag, Pb, Zn and to a lesser extent Cu. The rocks show variable enrichment in Au. Values in mineralized rock range from 125 ppb (Sample #43453) to 6,200 ppb (Sample #43464). The data show that As contents are generally low.

Gold values are somewhat erratic. Mineralized rocks from the Tedi Pit appear to be less enriched in Au than comparable mineralized rocks collected around the McKenzie Mill site. Previous workers have indicated that samples with similar mineralization collected from the Main Zone and Silver Tunnel occurrences also are enriched in Au.

Samples collected in the vicinity of the Main Zone during the current programme were taken from rocks peripheral to the main (mined out) polymetallic ore lens. The samples show minor enrichment in Au without appreciable addition of base metal (1,135 ppb Au, Sample #50630).

High gold values were also noted in rare, pyritic, blue quartz veins which are found in some of the shear zones. (1,850 ppb Au, Sample #43432).

Most samples of altered, but weakly silicified, sheared rock show at least a trace of base and precious metal enrichment. Stockwork pyrite mineralization found in less altered rock peripheral to the main shear structures is commonly barren.

4.2 Soil Geochemistry

A total of 1,015 soil samples was collected on the property during the 1989 field season. The samples were collected with a mattock from depths ranging from 10 to 100 cm. Site data, including an analysis of the material sampled and local topographic considerations, were recorded in a coded format. The data were used as an aid in interpreting the analytical results. Most of the material sampled was either till or colluvium. "B" horizon samples were collected at 40 m intervals over the extended, western portion, of the main property grid. Some samples also were collected midway between pre-existing 40 m sample sites over a major area with anomalous soil samples located on the hillside above the McKenzie Mill Site. Other samples were collected at 40 m intervals on reconnaissance soil lines located to the south of Brandywine Creek. The grid and reconnaissance soil lines are shown on Figure 4.

The samples were shipped to the Placer Dome Research Laboratory where they were dried and sieved, and the -80 mesh size fraction was analyzed for Ag, As, Au, Cu, Pb and Zn. Analytical procedures and results for both 1988 and 1989 grid sampling programmes are presented in Appendix 2(a). Results for reconnaissance samples collected in 1989 are presented in Appendix 2(b).

Figures 6 to 11 are 1:5,000 scale element distribution maps which show the distribution of Ag (ppm), As (ppm), Au (ppb), Cu (ppm), Pb (ppm) and Zn (ppm) respectively. The figures indicate a diffuse area of anomalous soil geochemistry located on the hillside above the McKenzie Mill Site. Although all seven elements contribute to the anomaly, it is best displayed by Au, Ag, Pb and Zn.

The eastern limit of the anomaly is defined by a major north-northeasterly trending structure which crosses the main access road immediately to the east of the McKenzie Mill Site. Its western limit is less well-defined. Erratic enrichment occurs as far west as the Main Zone and Silver Tunnel.

The anomaly dies out north of the break-in-slope above the McKenzie Mill Site. The strongest geochemical response is located downhill from a plug of granite (Unit 10) located at L67+00N - 51+50E (Figure 5). The anomaly disappears under a cover of basalt in the valley of Brandywine Creek to the south of the McKenzie Mill Site.

The main anomaly is composed of a series of short line segments (3 to 5 samples) that locally show signs of extreme enrichment (Figures 6 to 11). Samples such as the one collected at L58+00N - 56+40E (8600 ppm Ag; 300 ppb Au; 75 ppm As; 160 ppm Cu; 1800 ppm Pb; 1880 ppm Zn) probably contain direct sulphide source. The line segment pattern is consistent with local mineralization within a series of mapped and inferred, southerly to southeasterly directed, structures. The line segment anomaly distribution also may reflect an element of downslope drainage control as the main structures are marked by pronounced depressions in the local topography.

The main structures on the grid are not well exposed immediately to the north of L67+00N (Figure 5). They are commonly located in gullies that are filled with slump debris. In general, they would appear to be less well-mineralized than they are in the south. Shears north of L67+00N commonly are just mineralized with pyrite and the local soil is at most only weakly anomalous for base and precious metals.

Soil geochemical data indicate that Pb, Zn and, to a lesser extent Au, values increase again still further north. The northerly-trending structures flanking the Tedi Pit (L84+30N - 45+50E; Figure 5) appear to be mineralized. The Tedi Pit is a centre of mineralization. Overburden in the vicinity of the pit has been disturbed.

Appendix 2(b) contains analytical data for two contour reconnaissance soil lines (L23+00, L25+00; Figure 4) and two cross-sectional reconnaissance soil lines (WL1N, WL2N; Figure 4) which were run south of Brandywine Creek. The data were obtained to assess the likelihood of the mineralized structures projecting across the creek. Samples were collected at 40 m intervals.

Line L23+00 (Figure 4) was run at an elevation of approximately 2,300 feet (700 metres). Samples were collected to the northwest and southeast of a point (0+00) on the hillside 250 m southwest of grid line L57+00N 50+00E. Line L25+00 (Figure 4) was similarly run to the northwest and southeast of a point located a further 200 feet (61 metres) elevation up the hill. The data show that the southeasterly segment of each line displays the same polymetallic signature found north of the creek. Samples collected on the northwesterly oriented contour line segments display background values.

Lines LW1N and LW2N are similar in character to the contour soil lines. They display a few, weak, polymetallic soil anomalies.

5.0 DISCUSSION

The geological and geochemical data show that the Brandywine property is underlain by a package of plutonic and older pendant rocks of the Coast Plutonic Complex. The rock package is deformed and it is cut by a suite of narrow, ductile to brittle, shear zones which locally contain felsic dykes and plutons. The shears locally display quartz, quartz-carbonate or quartz-sericite-carbonate alteration and they host polymetallic sulphide mineralization.

The controls governing the distribution of the mineralization within the shear system are not well-understood. The shears do not appear to be mineralized along their full length. There would appear to be a spatial relationship between the presence of sulphide mineralization and late felsic dykes and plutons.

6.0 RECOMMENDATIONS

Future exploration programmes should concentrate on locating structurally controlled, high-grade, ore shoots in shears which host young felsic dykes.

The work should include an IP geophysical programme designed to locate areas of high resistivity, possibly indicative of silicification, and high chargeability, possibly reflecting the presence of sulphide in the structures.

The hillside above the McKenzie Mill Site (south of L64+00N) should be mapped in detail to determine whether there are northeasterly oriented cross-structures present, and if so, whether they influence the distribution of oreshoots on the northerly trending shear.

7.0 STATEMENT OF EXPENDITURES

V233 Brandywine

Labour Costs (includes report preparation)

D. Chan (field assistant) 21 days @ \$183.33/day	\$ 3,849.93	
H. Goddard (technician) 32 days @ \$269.48/day	8,623.36	
G. Haryett (geologist) 58 days @ \$184.63/day	10,708.54	
D. Mallaieux (geologist) 2 days @ \$318.19/day	636.38	
R. Pinsent (geologist) 33 days @ \$354.52/day	11,699.16	
S. Price (geologist) 1 day @ \$198.80/day	198.80	
B. Rear (technician) 2 days @ \$216.00/day	432.00	
S. Stubec (field assistant) 50 days @ \$143.14/day	7,157.00	
J. Taylor (field assistant) 32 days @ \$166.47/day	5,327.04	
C. Thierry (field assistant) 25 days @ \$123.28/day	3,082.00	
S. Thomas (field assistant) 50 days @ \$117.17/day	5,858.50	
D. Turner (field assistant) 25 days @ \$154.00/day	3,850.00	
	<u>\$ 61,422.71</u>	\$ 61,422.71

Geochemical Analysis Costs

Soil 1056 (Ag,As,Au,Cu,Pb,Zn) @ \$11.15/sample	\$ 11,774.40	
Rock 129 (Ag,As,Au,Cu,Pb,Zn,Mo) @ \$20.00/sample	2,580.00	
	<u>\$ 14,354.40</u>	14,354.40

Metallurgical Costs	<u>\$ 133.00</u>	133.00
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Accommodations

Fireplace Inn, Whistler	\$ 2,021.61	
Tantalus Lodge, Whistler	10,109.55	
New World Harbourside, Vancouver	1,402.50	
	<u>\$ 13,533.66</u>	13,533.66

Board

253 man days @ \$21.00/day	<u>\$ 5,313.00</u>	5,313.00
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Freight	<u>\$ 171.68</u>	171.68
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Vehicle Costs: (including fuel and maintenance)

1 GMC Suburban		
1 Ford Bronco		
1 4x4 Ford Pick Up		
		6,086.46

Equipment Purchase (field and office supplies)	<u>\$ 4,794.11</u>	4,794.11
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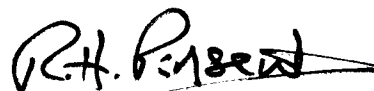
Travel	<u>\$ 1,800.00</u>	1,800.00
Telephone and VHF Radio Costs	<u>\$ 1,269.51</u>	1,269.51
Consulting Costs: Geological		
A. Sutherland-Brown	<u>\$ 12,545.00</u>	12,545.00
Report Collation (not including personnel time)		
Computer time, map reproductions, etc.	<u>\$ 2,013.00</u>	2,013.00
		<hr/>
TOTAL		\$123,436.53

8.0 STATEMENT OF QUALIFICATIONS

I, Robert H. Pinsent of 2335 West 13th Avenue, Vancouver, British Columbia (V6K 2S5), do hereby certify that:

1. I am a geologist employed by Placer Dome Inc., of 1600 - 1055 Dunsmuir Street, Vancouver, British Columbia (V7X 1P1)
2. I am a geology graduate of the following universities:
Aberdeen University, B.Sc., Hon., (1968)
University of Alberta, M.Sc. (1971)
Durham University, PhD. (1975)
3. I have engaged in the practice of geology since graduation in 1968.
4. I have supervised and carried out the fieldwork, and interpreted the data from the exploration program on the Brandywine Property (Latitude 50° 05'N, Longitude 123° 08'W) in the Vancouver Mining Division.

Respectfully submitted,



R.H. Pinsent

APPENDIX 1 (a)
ROCK SAMPLE DESCRIPTIONS

SAMPLE 43376

LOCATION: Quartz Tunnel south side of Brandywine Creek.
TYPE: Grab.
DESCRIPTION: Sheared granodiorite, very little mineralization; small cubes of pyrite <1%. Country rock around Quartz Tunnel.
COLOR: W.S. brown; F.S. greenish grey.

SAMPLE 43377

LOCATION: 50 m above Quartz Tunnel and 20 m upstream burried behind a pile of logs is another old adit.
TYPE: 2 m chip along top of adit.
DESCRIPTION: Sheared and bleached granodiorite with < 5% pyrite throughout.
COLOR: W.S. light brown; F.S. white - grey.

SAMPLE 43378

LOCATION: L59+95N 48+37E - in ditch of main logging road.
TYPE: Grab.
DESCRIPTION: Sheared quartz granodiorite with fine disseminated pyrite throughout. There is also a small 1 cm wide vein which contains galena at this location.
COLOR: W.S. - brown. F.S. - light grey.
ORIENTATION: Vein strike 70°, Dip 50°E.

SAMPLE 43379

LOCATION: L58+85N 49+54E in ditch of main logging road.
TYPE: 0.5 m chip down mineralized vein.
DESCRIPTION: Granodiorite with a 10 - 12 cm mineralized vein which undulates upwards. The vein is fairly siliceous and contains pyrite chalcopyrite and galena. There is also a dacite dyke near by. Calcite and ferroan dolomite are also present in this rock.
ORIENTATION: Vein strike 60° dip 62°E.

SAMPLE 43380

LOCATION: L58+85N 49+54E.
TYPE: Grab.
DESCRIPTION: Country rock around the vein in the above sample. Granodiorite with fine disseminated pyrite throughout.
ORIENTATION:
COLOR: W.S. brown; F.S. grey.

SAMPLE 43381

LOCATION: L77+20N 45+00E on road to Tedi Pit.
TYPE: 1 m chip.
DESCRIPTION: Bleached greenstone with mineralization along the foliation; cubic pyrite, galena and sphalerite. < 2% .
COLOR: W.S. green with rustic look; F.S. light green to bleached.
ORIENTATION: Foliation strike 8° dip 65°W.

SAMPLE 43382

LOCATION: L81+48 45+00E.
TYPE: Float - grab.
DESCRIPTION: Diorite with a highly weathered surface with approximately 5% pyrite.
COLOR: W.S. rustic; F.S. light green.

SAMPLE 43383

LOCATION: L65+00N 49+60E.
TYPE: 1 m chip.
DESCRIPTION: Quartz vein with approximately 5% pyrite throughout. The quartz has a glassy appearance to it and the sulfides seem to be concentrated along bands. The vein is about 20 cm wide and runs the total height of the cliff.
COLOR: W.S. rusty brown; F.S. translucent.
ORIENTATION: Strike 255° dip 77°N.

SAMPLE 43384

LOCATION: L66 + 30N 52 + 40E on logging landing.
TYPE: Grab.
DESCRIPTION: Medium-grained granite with minor pyrite noted < 1%-massive.
COLOR: F.S. pink; W.S. rusty brown.

SAMPLE 43385

LOCATION: L67 + 10N 52 + 20E
TYPE: Grab.
DESCRIPTION: Granite near a rhyolite dyke. Medium-grained (same body of granite as above).

SAMPLE 43386

LOCATION: L67 + 10N 52 + 20E
TYPE: Chip down contact between granite rhyolite dyke.
DESCRIPTION: Granite same as above but with more small fractures (approx. 2 mm wide) filled with quartz. Limonite and manganese staining are more apparent here.

SAMPLE 43387

LOCATION: L67 + 10N 52 + 20E.
TYPE: Grab.
DESCRIPTION: Rhyolite dyke with less than 1% pyrite.
COLOR: W.S. rusty brown; F.S. grey.

SAMPLE 43388

LOCATION: L67 + 50N 52 + 40E.
TYPE: Grab.
DESCRIPTION: Pebble dyke; fine grained ground mass with angular fragments, size of fragments range in size from 1 to 7 cm.
COLOR: W.S. brownish grey; F.S. black.

**SAMPLES 43389
TO 43395**

Taken at the Marble Property during the property examination.

SAMPLE 43396

LOCATION: L67+50N 52+40E

TYPE: Grab - Float.

DESCRIPTION: Felsic dyke mineralized with pyrite, chalcopyrite and galena. These minerals occur along small fractures. This sample was found around the granite plug.

SAMPLE 43397

LOCATION: L85+00N 47+00E.

TYPE: Grab.

DESCRIPTION: Sericitic schist with limonite stains. Some cubic pyrite evident.

COLOR: W.S. white with limonite stains.

SAMPLE 43398

LOCATION: L83+90N 46+20E (Tedi Pit).

TYPE: 1 m chip.

DESCRIPTION: A highly siliceous zone found between the greenstone and the QFP found at the Tedi Pit. The foliation is faintly observed in this zone with the diamond shaped jointing pattern. Cubic pyrite, galena and chalcopyrite are found within this zone. The contacts on both sides of this siliceous zone are sharp.

REMARKS: High grade.

COLOR: W.S. rusty brown and light brown; F.S. grey.

SAMPLE 43399

LOCATION: L83+90N 46+20E Tedi Pit.

TYPE: Grab.

DESCRIPTION: Greenstone found under QFP. Mineralization is in the plane of foliation. Minerals include pyrite and galena. There are small weathered out pits that are concordant and discordant with foliation.

COLOR: W.S. green with rusty brown areas; F.S. green.

ORIENTATION: Foliation strike 170° dip 85°E
Fractures 1: strike 161° dip 68°W
2: strike 19° dip 68°E
Dyke strike 170° dip 85°E

SAMPLE 43400

LOCATION: L83+75N 46+20E Tedi Pit.

TYPE: Grab of Float.

DESCRIPTION: Fine grained diorite with fine grained pyrite disseminated throughout the rock approximately 3%. Calcite veins are prevalent throughout and are 1 mm - 5 mm in width and show no preferred orientation.

COLOR: F.S. greenish grey; W.S. rustic.

REMARKS: This float was taken from the area around DDH NB-1.

SAMPLE 43401

LOCATION: L60+95N 51+00E - road on second switchback.

TYPE: Representative grab of sheared rock.

DESCRIPTION: Sheared grandiorite with minerals present along foliation. These minerals are pyrite, galena, sphalerite. The sheared granodiorite seems to be more siliceous than the surrounding non-sheared granodiorite. The sheared zone is approximately 20 cm wide. There are small non-continuous quartz veins which cut the sheared granodiorite. Small fractures which are brown in color (ferroan dolomite and pyrite) cross cut the small quartz veins.

ORIENTATION: Foliation - strike 47° dips 65°N.W. .

COLOR: Sheared zone is very altered almost white.

REMARKS: Sample marked high grade.

SAMPLE 43402

LOCATION: L61+80N 52+20E.

TYPE: Representative grab.

DESCRIPTION: Sheared granodiorite. As above sample 43401. In places one finds weathered out voids which are brown in color, possibly pyrite.

ORIENTATION: Strike 50° dips 70°N.W. .

COLOR: Green with white streaks.

SAMPLE 43403

LOCATIONS: L62 + 50N 52 + 20E on upper road off 3rd switchback.

TYPE: Grab.

DESCRIPTION: Sheared granodiorite with small cubes of pyrite less than 1 mm in size and less than 3% in abundance.

ORIENTATION: Foliation-strike 1° dip 79°N.W.

COLOR: Green.

SAMPLE 43404

LOCATION: L62 + 80N 53 + 60E upper road off 3rd switchback.

TYPE: 5 m chip sample across face.

DESCRIPTION: Sheared granodiorite with small cubes of pyrite (less than 1 mm in size and less than 3% in abundance). Two sets of fractures noted which give a diamond shape appearance.

ORIENTATION: Foliation-strike 342°, dip 60°N.W. Fractures-1) strike 111°, dip 75°N.E. 2) strike 190°, dip 70°S.E.

COLOR: Green.

SAMPLE 43405

LOCATION: L66 + 40N 44 + 00E; on road to Tedi Pit and Martial Lake.

TYPE: Chip down a 25 cm shear zone.

DESCRIPTION: Highly sheared granodiorite. A small zone 25 cm wide possibly a small fault. Pyrite is abundant in this zone approximately 5%. The Pyrite is cubic.

ORIENTATION: Foliation-strike 118°, dip 90°.

COLOR: W.S. rusty; F.S. green.

SAMPLE 43406

LOCATION: L63 + 90N 63 + 90E.

TYPE: 6 m chip; near zinc showing.
DESCRIPTION: Quartz diorite; sheared. Limonite present between foliations, pyrite is also present approximately 5%.
COLOR: W.S. rusty brown. F.S. green with some bleached area.

SAMPLE 43407

LOCATION: L63+00N 54+60E. End of upper road off 3rd switchback.
TYPE: 3 m chip.
DESCRIPTION: Diorite - highly gossanous outcrop next to major fault zone. Pyrite is disseminated throughout the rock. Other minerals found within this outcrop are: chalcopyrite, galena, hematite and limonite. Mineralized quartz gashes are also present.
COLOR: W.S. reddish brown.
REMARKS: High grade.

SAMPLE 43408

LOCATION: L62+85N 54+00E. West side of major fault zone (as before) on upper road of 3rd switchback.
TYPE: Grab.
DESCRIPTION: Sheared granodiorite, bleached white with rust stains. Mineralization is present along the foliation and small fractures of ferroan dolomite crosscut foliation. Mineralization is pyrite, galena and minor sphalerite.
COLOR: Bleached white with rustic color on weathered surface.

SAMPLE 43409

LOCATION: L65+00N 50+00E. Found in small gully.
TYPE: Float.
DESCRIPTION: Hornblende diorite with abundant pyrite approximately 5%.
COLOR: F.S. dark green.
ORIENTATION: Strike of valley 3°.

SAMPLE 43410

LOCATION: L63 + 50N 51 + 00E.

TYPE: Grab.

DESCRIPTION: Quartz gash; within this gash one finds rutile needles and minor pyrite < 1% is present. This sample was in a weakly sheared granodiorite.

COLOR: Milky white with red inclusions of rutile.

SAMPLE 43411

LOCATION: L63 + 40N 51 + 10E.

TYPE: Grab off large body of float.

DESCRIPTION: A highly broken up (brecciated) rock which is very siliceous. The rock contains pyrite and chalcopyrite. It was found in a gully 15m wide.

ORIENTATION: Strike of valley 5°.

COLOR: W.S. rustic red-brown; F.S. bluish grey.

SAMPLE 43412

LOCATION: L65 + 00N + 52 + 00E.

TYPE: Representative grab.

DESCRIPTION: Hornblende diorite; 2% disseminated pyrite disseminated throughout. There are small quartz filled fractures which contain pyrite. This rock is weakly foliated.

ORIENTATION: Foliation - strike 264°, dip 67°E.

COLOR: Dark green.

SAMPLE 43413

LOCATION: L66 + 00N 50 + 60E.

TYPE: Grab.

DESCRIPTION: Diorite: this rock is cut by ferroan dolomite fracture fill veins with minor pyrite.

COLOR: Green.

SAMPLE 43414

LOCATION: L66+00N 48+00E.
TYPE: Grab.
DESCRIPTION: Highly sheared granodiorite with minor pyrite along foliation < 3%.
ORIENTATION: Foliation strike 34° dip 65°N.E. .
COLOR: Green.

SAMPLE 43415

LOCATION: L70+40N 44+60E in right ditch on road to Tedi Pit.
TYPE: Grab.
DESCRIPTION: Quartz gash found in greenstone; milky white quartz with limonite staining along joint faces; there are some weathered out pits (probably pyrite) within the quartz.
COLOR: Milky white.

SAMPLE 43416

LOCATION: L70+40N 44+6-E
TYPE: Grab.
DESCRIPTION: Sheared greenstone, in between shears are weathered out rusted areas.
ORIENTATION: Foliation strike 13° dip 70°N.W. .
COLOR: Green.

SAMPLE 43417

LOCATION: L71+50N 45+40E on road to Tedi Pit.
TYPE: Grab.
DESCRIPTION: Quartz gash; milky white quartz associated with chlorite pockets. Limonite coats quartz crystal faces. These gashes are found in sheared greenstone.
ORIENTATION: Foliation of greenstone strike 350° dip 85°W.
COLOR: Milky white.

SAMPLE 43418

LOCATION: L73+25N 48+75E on road up to Martial Lake.

TYPE: Representative grab.

DESCRIPTION: Highly sheared quartz diorite which contains carbonate but not as veins - probably as coating between the foliation. The weathered surface is fairly rustic. It appears that there is a second foliation superimposed on the rock at this site.

ORIENTATION: Predominate foliation. Strike 347° dip 70°W. Second foliation. Strike 250° dip 86°E.

COLOR: W.S. rustic brown; F.S. green grey.

SAMPLE 43419

LOCATION: L61+00N 49+20E.

TYPE: Grab.

DESCRIPTION: Highly sheared greenstone with pyrite present along foliation.

ORIENTATION: Foliation strike 5° dip 50°N.W.

COLOR: F.S. green.

SAMPLE 43420

LOCATION: L60+00N 49+00E in small creek.

TYPE: Representative grab.

DESCRIPTION: Dacite dyke with approximately 10% mafics. Less than 1% pyrite.

ORIENTATION: Dyke: strike 354° dip 50°N.W.

COLOR: F.S. Chalky white with dark mafics; W.S. light brown.

SAMPLE 43421

LOCATION: L59+90N 52+00E.

TYPE: Grab.

DESCRIPTION: Granodiorite highly sheared and bleached. There is minor mineralization < 1%.

ORIENTATION: Foliation strike 250° dip 50°N.W.

COLOR: Dirty white.

SAMPLE 43422

LOCATION: L60+00N 53+40E.

TYPE: Grab.

DESCRIPTION: Quartz gash; milky white quartz drusy with < 3% pyrite with hematite and limonite; ferroan dolomite also present.

COLOR: Milky white.

SAMPLE 43423

LOCATION: L61+00N 53+60E.

TYPE: Grab.

DESCRIPTION: Sheared granodiorite with minor pyrite (cubic) between foliation. This rock is bleached.

ORIENTATION: Foliation: strike 258° dip 60°W.

COLOR: Brownish white.

SAMPLE 43424

LOCATION: L63+50N 43+00E.

TYPE: Chip across quartz gash.

DESCRIPTION: Milky white quartz gash. Drusy with minor pyrite and ferroan dolomite.

COLOR: F.S. Milky white; W.S. rustic coatings on quartz faces.

SAMPLE 43425

LOCATION: L64+80N 45+20E.

TYPE: Chip across quartz gash.

DESCRIPTION: Milky white quartz gash with limonite staining on surface of quartz faces. Trace of malachite also noted.

COLOR: Milky white.

SAMPLE 43426

LOCATION: L64 + 85N 45 + 20E.
TYPE: Grab.
DESCRIPTION: Bleached diorite with epidote stringers. Minor pyrite noted (< 2%). Corresponds to Noranda's geophysical anomaly. Found in small gully.
COLOR: Green (light).

SAMPLE 43427

LOCATION: L63 + 00N 47 + 00E.
TYPE: Grab.
DESCRIPTION: Weakly sheared diorite with cubic pyrite along foliation. As above this too follows the geophysical anomaly of Noranda's.
ORIENTATION: Foliation strike 357° dip 80°N.W.
COLOR: Light green.

SAMPLE 43428

LOCATION: L70N 48 + 40E. South end of Martial Lake on road.
TYPE: Chip along contact of a rhyolite dyke.
DESCRIPTION: Sericite schist with minor quartz, no mineralization apparent in this sample but plenty around the area.
ORIENTATION: Foliation strike 330° dip 85°S.E. Dyke has same orientation.
COLOR: White.

SAMPLE 43429

LOCATION: L68 + 20N 48 + 20E.
TYPE: Representative grab.
DESCRIPTION: Quartz-rich rock, possibly altered granite. Stringers of ferroan dolomite cut the rock pervasively. Pyrite and chalcopyrite (<5%) are abundant. All the rocks around this area are highly foliated.
COLOR: F.S. grey with brown stringers throughout it; W.S. brownish-red (highly gossaneous).

REMARKS: High grade.

SAMPLE 43430

LOCATION: L69+00N 50+80E East of Martial Lake above landing.

TYPE: Grab.

DESCRIPTION: Small, 15 cm, felsic vein cut by veins containing disseminated pyrite and galena. This vein was found in the hybrid diorite. The float on the landing contains abundant pyrite chalcopyrite and some malachite and azurite.

ORIENTATION: Vein strike 250°, dip 60°S.W. .

COLOR: W.S. brown; F.S. bluish grey.

SAMPLE 43431

LOCATION: L68+00N 51+40E East side Martial Lake.

TYPE: Grab.

DESCRIPTION: A highly sheared rock possibly diorite which is in contact with a more blocky diorite. Within the sheared rock cubic pyrite, and pyrite veinlets which crosscut foliation are present. The sheared zone is approximately 10 - 15 m wide and on both sides of it is the blocky diorite.

ORIENTATION: Foliation strike 308°, dip 72°W.

COLOR: Green.

SAMPLE 43432

LOCATION: L72+50N 50+00E.

TYPE: Chip down a small vein.

DESCRIPTION: 0.25 m wide quartz vein with five percent cubic pyrite. The surrounding rock is the hybrid diorite.

ORIENTATION: Vein strike 244° dip 80°N.E.

COLOR: F.S. bluish-grey.

SAMPLE 43433

LOCATION: L71+25N 50+00E.

TYPE: Diorite with five percent disseminated pyrite. Some areas within this rock become very siliceous. Near Noranda's geophysical anomaly.

COLOR: Green.

SAMPLE 43434

LOCATION: L68N 51+60E.

TYPE: Chip down quartz vein.

DESCRIPTION: Highly weathered quartz vein (?) which is very easily broken. The quartz contains pyrite, hematite, limonite and chlorite. It is mostly covered therefore an accurate orientation measurement was not possible.

ORIENTATION: Vein approximately striking north and dipping 90°.

COLOR: Bluish-grey.

SAMPLE 43435

LOCATION: L67+60N 53+20E.

TYPE: Chip down small fault zone.

DESCRIPTION: 0.25 m wide fault zone cutting the hybrid diorite. Five percent cubic pyrite is present along foliation planes in the fault zone. There are two more similar fault zones in the area.

ORIENTATION: Fault strike 138° dip 76°S.W.

COLOR: Light green.

REMARKS: In area of large granitic plug.

SAMPLE 43436

LOCATION: L77+00N 51+60N.

TYPE: Representative grab.

DESCRIPTION: Limestone with a sucrosic texture, contains abundant (greater than 5%) pyrite, chalcopyrite, galena and sphalerite. The limestone is also inter-mixed with a sericitic schist. Possible bedding in the limestone suggests the rock is folded. Large porphyroblasts of garnets were also found in the limestone. (Grossular).

COLOR: White.

REMARKS: This area was associated with high geochem values 25.00, 5.00, 105.00, 1,520.00, 10.00, 5.00 ppb for Au; 61.00 ppm for As; 41.00, 12.00, 34.00, 104.00, 38.00 ppm for Pb; 335, 560 for Zn & 2,240.00 ppm for Cu; but there was no large anomaly for silver; high grade.

SAMPLE 43437

LOCATION: L77+00N 51+60E.

TYPE: Representative grab.

DESCRIPTION: Sericitic schist associated with the limestone of the previous sample. The schist also has mineralization associated along it's foliation. The pyrite (five percent) is cubic and so is the chalcopyrite.

COLOR: Pale brown to white.

REMARKS: Associated with the same geochem values as above.

SAMPLE 43438

LOCATION: L82+50N 51+20E East on old logging road.

TYPE: 4 m chip.

DESCRIPTION: Greenstone with abundant (greater than 5%) pyrite and chalcopyrite. These minerals are cubic and occur along the foliation of the greenstone. There are also small minor pockets of calcite noted.

ORIENTATION: Foliation strike 170° dip 78°W.

COLOR: Light green - bleached.

REMARKS: According to an old map, galena and sphalerite are supposed to be present, however none of these two were observed.

SAMPLE 43439

LOCATION: L81+75N 54+00E on an old logging road.

TYPE: Grab.

DESCRIPTION: Greenstone, bleached area about 3 - 4 m wide. Along foliations there are cubic pyrite and chalcopyrite. Some quartz and carbonate filled fractures cut across the foliation.

ORIENTATION: Foliation strike 20° dip 68°E.

COLOR: Bleached to a light green.

SAMPLE 43440

LOCATION: L58+30N 49+50E

TYPE: Chip along quartz gash.

DESCRIPTION: Milky white drusy quartz with pockets of chlorite. At this location there are a number of small gashes in a nest all giving a clockwise sense of rotation. All these gash dip slightly towards the north east.

COLOR: Milky white.

SAMPLE 43441

LOCATION: L69+50N 46+80E On road going up to Martial Lake.

TYPE: Chip out of a quartz gash.

DESCRIPTION: The sample is a quartz gash which contains milky white quartz, jasper (red), epidote and malachite. The quartz gash is drusy. The sense of rotation is clockwise.

COLOR: A variety of colors: milky white, red, green.

SAMPLE 43442

LOCATION: L69+50N 46+80E. On road going up to Martial Lake.

TYPE: Grab.

DESCRIPTION: Hornblende diorite with less than two percent pyrite. This is the rock which surrounds the gash described above.

COLOR: Green.

SAMPLE 43443

LOCATION: L69+50N 40+00E.

TYPE: Grab.

DESCRIPTION: Gneiss; this rock has weathered pits which are rusty looking and occurs around Noranda's geophysical anomaly.

COLOR: Grey.

SAMPLE 43444

LOCATION: L70+00N.
TYPE: Grab.
DESCRIPTION: Gneiss; same as above but one sees minor cubes of pyrite within it. In Noranda's geophysical anomaly.
COLOR: Grey.

SAMPLE 43445

LOCATION: L64+40N 64+20E. Old zinc showing.
TYPE: Grab.
DESCRIPTION: Limestone with a sucrosic texture; pyrite, chalcopyrite and sulfur present in the limestone. Epidote alteration also observed. The limestone appears to be folded.
COLOR: White with iron stains.

SAMPLE 43446

LOCATION: L64+40N 64+20E. Old trench.
TYPE: Grab.
DESCRIPTION: Sample of the skarn alteration. Pyrite, chalcopyrite, magnetite, pyrrhotite and sulphur are present.
COLOR: W.S. rustic brown - black.

SAMPLE 43447

LOCATION: Dority Creek at elevation 2475 feet.
TYPE: Grab.
DESCRIPTION: Greenstone with five percent cubic pyrite along the foliation.
ORIENTATION: Foliation strike 341° dip 70°S.W.
COLOR: Light green.

SAMPLE 43448

LOCATION: L62+00N 51+40E.

TYPE: Chip out of quartz gash.

DESCRIPTION: Milky white drusy quartz gash. This gash is rimmed by epidote and also has chlorite pockets within it. It gives a clockwise sense of rotation. The country rock which surrounds it is granodiorite.

COLOR: Milky white.

REMARKS: High geochem anomalies in area.

SAMPLE 43449

LOCATION: L62+00N 51+40E.

TYPE: Grab.

DESCRIPTION: Highly weathered granodiorite which shows very little foliation, it contains some carbonate.

COLOR: White.

REMARKS: In an area of high geochem anomaly and around where known mineralization is.

SAMPLE 43450

LOCATION: L63+00N 52+50E.

TYPE: Chip along mineralized quartz gash.

DESCRIPTION: Milky white drusy quartz gash which parallels the foliation in the surrounding rock. The quartz contains abundant pyrite and chalcopyrite with a cubic habit. Manganese stains on quartz. Within a nearby talus pile calcite crystals within drusy white quartz are observed. There is a secondary fracture which cuts the schistosity of the outcrop.

ORIENTATION: Fracture strike 180° dip 35°E.

REMARKS: Compare this sample with sample 43403 which is the country rock of this quartz gash.

SAMPLE 43451

LOCATION: L63N 52+70E on road.

TYPE: Chip of a quartz gash.

DESCRIPTION: Milky white drusy quartz gash with fine cubic pyrite, chalcopyrite and minor calcite. The country rock which surrounds this sample is a diorite.

COLOR: W.S. rustic brown; F.S. milky white.

REMARKS: Close to a major fault - this sample should be compared with sample 43452.

SAMPLE 43452

LOCATION: L63N 52+70E On road.

TYPE: 2 m chip.

DESCRIPTION: Diorite with 75% cubic pyrite throughout, some chalcopyrite was also observed. Corresponds to one of Noranda's geophysical anomalies. Country rock is the same as above.

SAMPLE 43453

LOCATION: L58+80N 50+75E On old road by first switchback.

TYPE: Chip down mineralized area.

DESCRIPTION: Sheared granodiorite with a zone about 30 - 35 cm wide which is more siliceous than surrounding areas. This zone is bleached and highly mineralized with sphalerite, galena, pyrite and chalcopyrite. The geometry of this zone is lensoidal in shape, hence, giving the appearance as if individual layers were pushed up and displaced by each other. The rock immediately to the west shows a foliation but no slippage component and very little mineralization. Mineralization occurs along foliation and in areas where silica is dominant.

ORIENTATION: Foliation strike 345° dip 82°W.

COLOR: Bleached - white.

REMARKS: Maybe a continuation of mineralized zone on road off third switchback - high geochem. Anomalies are present in the area. See pictures 1 & 2.

SAMPLE 43454

LOCATION: L59+50N 52+20E. In small gully.

TYPE: Grab.

DESCRIPTION: Sheared granodiorite with minor cubic pyrite along foliation. This rock is highly weathered.

ORIENTATION: Foliation strike 346° dip 81°W.

COLOR: F.S. & W.S. - white grey.

SAMPLE 43455

LOCATION: L59+95N 51+90E.

TYPE: 2 m chip.

DESCRIPTION: Milky white drusy quartz which looks more like a blowout than a gash. There is no apparent mineralization within this sample.

COLOR: Milky white.

SAMPLE 43456

LOCATION: L60+00N 51+50E By small gully.

TYPE: 2 m chip.

DESCRIPTION: Sheared granodiorite with greater than two percent cubic pyrite along foliation. There are two sets of fractures which cross the foliation. Limonite is present on rock surface.

ORIENTATION: Foliation was hard to measure due to the highly weathered surface. Fractures 1) strike 150 dip 54°W, 2) strike 180 dip 69°E.

COLOR: Whitish grey.

REMARKS: In area of high geochem anomalies.

SAMPLE 43457

LOCATION: L60+00N 50+80E.

TYPE: Grab.

DESCRIPTION: Sheared granodiorite with a very weathered surface. On the weathered surface no mineralization is observed but on fresh surface pyrite, galena and sphalerite occur in the more siliceous areas of the rock and along the foliation.

COLOR: Whitish grey.

SAMPLE 43458

LOCATION: L59+90N 53+00E.

TYPE: Chip across a quartz blowout.

DESCRIPTION: Milky white quartz with limonite and hematite with manganese stains. The blowout is approximately 15 m long (E-W) and 7 - 10 m wide (N-S). It is easily seen on the hillside.

SAMPLE 43459

LOCATION: L60+10N 53+60E in large gully (west side).

TYPE: 1 m chip.

DESCRIPTION: Sheared granodiorite which is very weathered. On fresh surface small cubes of pyrite along foliation < 5%. The foliation is cross cut by two distinct fractures. This sample is located by a major fault which corresponds with some geochem anomalies.

ORIENTATION: Foliation strike 165° dip 61°W. Fracture 1) strike 179° dip 63°W, 2) strike 325° dip 70°E.

REMARKS: Corresponds to a fault zone and high geochem anomalies.

SAMPLE 43460

LOCATION: L60+40N 53+60E.

TYPE: 0.5 m chip of a quartz gash.

DESCRIPTION: Milky white drusy quartz gash with a minor amount of ferroan dolomite. Small cubes of pyrite are found at the contact with the granodiorite. Epidote is present at the edge of the gash.

REMARKS: Near major fault and high geochem anomalies.

SAMPLE 43461

LOCATION: L60N 53+85E.

TYPE: Grab.

DESCRIPTION: A 10 cm wide zone of sheared diorite with abundant pyrite cubes. Limonite and manganese stains are present.

ORIENTATION: Foliation strike 350° dip 80°W.

REMARKS: West of major fault zone - high grade.

SAMPLE 43462

LOCATION: L60N 55 + 40E. On old road.

TYPE: Gash.

DESCRIPTION: Diorite with five percent disseminated pyrite cubes throughout, chalcopyrite is also present. Maybe same body of gossanous rock found around L63 + 50 54 + 60E.

COLOR: W.S. rusty brown; F.S. greenish grey.

REMARKS: High grade.

SAMPLE 43463

LOCATION: L62 + 80N 48 + 20E.

TYPE: Float.

DESCRIPTION: Dacite with disseminated pyrite throughout. Pyrite is fine-grained and less than five percent in abundance.

COLOR: W.S. rusty brown; F.S. grey.

SAMPLE 43464

LOCATION: L62 + 80N 48 + 20E. On old road.

TYPE: Grab - float.

DESCRIPTION: Siliceous breccia (?) with abundant pyrite and galena and minor malachite. The pyrite is both cubic and deformed. Mineralization is greater than 5% in abundance.

COLOR: W.S. rusty brown; F.S. bluish white.

REMARKS: High grade.

SAMPLE 43465

LOCATION: L58 + 90N 54 + 20E. In center of road.

TYPE: 0.5 m chip.

DESCRIPTION: Small quartz vein with five percent pyrite and chalcopyrite.

COLOR: W.S. rusty brown; F.S. bluish grey.

REMARKS: High grade.

SAMPLE 43466

LOCATION: L58+90N 54+25E.

TYPE: Grab.

DESCRIPTION: Diorite with two percent small cubic pyrite and finely disseminated pyrite.

COLOR: Green.

REMARKS: Hornblende diorite with small cubes of pyrite throughout. Within this rock small quartz-filled fractures and small calcite and ferroan dolomite filled fractures are present, the latter crosscuts the former and is associated with the quartz-filled fractures. However pyrite is pervasive on all surfaces. Some of these fracture-filled structures are rimmed by epidote. A fault plane was also observed at this outcrop. The plane of the fault is coated with quartz and crystals of calcite. Small discontinuous veins of quartz and calcite project out away from the fault surface. Slickensides are present along the surface of the plane.

ORIENTATION: Fault surface strike 50° dip 54°N.W. Slickensides 43° pitch in the plane of the fault C.C.W.

SAMPLE 43467

LOCATION: L58+90N 54+25E.

TYPE: Chip out of a quartz gash.

DESCRIPTION: 0.5 m wide and 3 m long milky white drusy quartz gash. Within this quartz gash are strands of chlorite associated with cubic pyrite. These chlorite strands are discontinuous. The jointed surfaces (crystal faces) of the quartz are coated with limonite. There are two fractures which crosscut this gash giving a diamond shape appearance.

ORIENTATION: Gash strike 138° dip 90°. Fractures 1) strike 355° dip 87W. 2) strike 276° dip 33°E.

REMARKS: Next to highly mineralized diorite (43466).

SAMPLE 43468

LOCATION: L59N 54+60E.

TYPE: 1 m chip.

DESCRIPTION: Small shear zone with mineralized quartz veins. Located near a dacite dyke. Within the quartz is cubic pyrite (> 5%) and galena. There are a series of these small shear zone spanning from the edge of the dyke out to about 10 m away. The host rock for the shears is a diorite. The diorite, along with the shears, are cut by the two fractures which are noted elsewhere.

ORIENTATION: Shears - 1) strike 162°, dip 70°W; 2) strike 165°, dip 90°. Fractures - 1) strike 360° dip 80°W; 2) strike 271°, dip 40°E. Dyke-strike 325°, dip 80°W.

REMARKS: See sample 50607 for description of the dyke.

COLOR: W.S. rusty brown; F.S. green-grey.

SAMPLE 43469

LOCATION: L59+60N 55+00E.

TYPE: Grab off float.

DESCRIPTION: Highly weathered diorite with cubic pyrite approximately 5% or more.

COLOR: W.S. brown. F.S. greenish grey.

SAMPLE 43470

LOCATION: L57+50N 55+00E.

TYPE: Grab.

DESCRIPTION: Highly weathered granodiorite with approximately 5% pyrite. Located by the old mill site and old trenches. (These trenches were not found)

COLOR: W.S. rusty brown; F.S. greyish white.

SAMPLE 43471

LOCATION: L57+50N 56+00E.

TYPE: Grab.

DESCRIPTION: Highly weathered diorite with less than 5% pyrite.

COLOR: W.S. rusty brown; F.S. white.

REMARKS: Located around old trenches by the old mill site.

SAMPLE 43472

LOCATION: L73+00N 41+00E.
TYPE: Grab.
DESCRIPTION: Greenstone with the occasional siliceous lenses containing minor pyrite.
COLOR: Green.
REMARKS: Taken by John Taylor.

SAMPLE 43473

LOCATION: L73N 35+00E.
TYPE: Grab.
DESCRIPTION: Same as above.
COLOR: Green.
REMARKS: Taken by John Taylor.

SAMPLE 43474

LOCATION: L73N 36+40N.
TYPE: Chip out of quartz gash.
DESCRIPTION: Milky white quartz with minor pyrite.
COLOR: W.S. rusty brown; F.S. milky white.
REMARKS: Taken by John Taylor.

SAMPLE 43475

LOCATION: Southside of Brandywine Creek at Quartz Tunnel.
TYPE: Chip across adit entrance.

DESCRIPTION: Felsic dyke with layered quartz bands. Some of these bands are made up of drusy quartz which form small quartz crystals. There is a high content of sulphides-chalcopyrite, pyrite, galena, sphalerite and malachite. Most of the mineralization occurs between the voids in the drusy quartz layers. In the felsic dyke the minerals are finely disseminated and occurs along fractures. The width of the dyke was hard to measure due to the overburden around it, but the adits entrance is approximately 2.5 m wide, with the tunnel going several meters into the rock. The surrounding rock is sheared granodiorite.

ORIENTATION: Dyke strike 178° dip 85°W.

COLOR: Light grey.

SAMPLE 50601

LOCATION: L59+00N 50+00E.

TYPE: 0.5m chip.

DESCRIPTION: This is a sample of a 12 cm wide discordant vein striking at 259° with a dip of 70°E. Within this vein there is pyrite, galena and limonite. The vein is more siliceous than the surrounding rock which is a granodiorite. In the granodiorite there are small fractures perpendicular to the vein. The fractures are about 1 mm wide and is filled with ferroan dolomite. These small fractures do not cross cut the vein. Two joint sets are observed in the area.

ORIENTATION: Discordant vein-strike 259°, dip 70°E. Joints - 1) strike 122°, dip 43°SW.; 2) strike 136° dip 54°E.

REMARKS: See picture 9.

SAMPLE 50602

LOCATION: L59+00N 50+00E.

TYPE: Grab.

DESCRIPTION: Dacite dyke cut by the two sets of joints as above. The joints have pyrite, chalcopyrite and ferroan dolomite along them.

SAMPLE 50603

LOCATION: L58+90N 50+10E.

TYPE: 0.5 m chip.

DESCRIPTION: Drusy quartz gash with limonite present between the voids. Smaller well-developed quartz crystals which are 2 - 5 mm long are also noted. Small patches of chlorite are also present here but these are not as noticeable as in earlier gashes. The gash dips 56°W and strikes at 173°. The dip varies along strike to about 34°N.W. The surrounding rock is a quartz rich granodiorite.

COLOR: Milky white.

SAMPLE 50604

LOCATION: L58+80N 51+00E.

TYPE: Grab.

DESCRIPTION: Outcrop in a small stream bed approximately 2 m wide. Highly foliated quartz rich granodiorite which is well foliated. The foliations are crosscut between 2 sets of fractures (diamond shaped). There is cubic pyrite approximately 2% in abundance within the plane of foliation.

COLOR: W.S. rusty brown; F.S. blue grey.

ORIENTATION: Foliation strike 10° dip 90°. Fractures 1) strike 15° dip 70°W. 2) strike 182° dip 83°E.

REMARKS: See picture 3 for description of joints.

SAMPLE 50605

LOCATION: L58+00N 52+80E.

TYPE: Grab.

DESCRIPTION: Quartz gash with limonite coatings on partings and small patches of chlorite. The gash measures 2 m long and 25 cm wide. The country rock is a granodiorite.

ORIENTATION: Gash strike 179° dip 30°E.

COLOR: Milky white.

SAMPLE 50606

LOCATION: L58+00N 54+20E.

TYPE: Grab - float.

DESCRIPTION: Medium-grained granodiorite with cubic pyrite (5%) and chalcopyrite. The outcrop around here is granodiorite. Float of a rhyolite dyke was also found at this location.

COLOR: W.S. rusty brown; F.S. bluish white.

SAMPLE 50607

LOCATION: L58 + 50N 54 + 60E.

TYPE: Grab.

DESCRIPTION: Dacite dyke with no apparent mineralization. This dyke has a blocky fracture system. The dyke is close to a series of small mineralized shears which were sampled as 43468.

COLOR: W.S. brown; F.S. chalky yellow-white.

ORIENTATION: Dyke-strike 325°, dip 80°W; Shear zones - 1) strike 162°, dip 70°W; 2) strike 165°, dip 90°W. Width of dyke 3 m.

SAMPLE 50608

LOCATION: L58 + 10N 48 + 20E.

TYPE: Grab.

DESCRIPTION: Felsic dyke with three percent fine disseminated pyrite throughout. Flow structures are very evident and in places weathering has well-defined the flow bands.

COLOR: W.S. buff brown; F.S. blue grey.

ORIENTATION: Strike 193° dip 61°W.

REMARKS: See pictures.

SAMPLE 50609

LOCATION: Dority Creek. Elevation 3250 feet.

TYPE: Chip.

DESCRIPTION: Quartz gash with very fine pyrite within it. There seems to be a secondary episode of quartz filling as seen in small quartz filled fractures filled with quartz which crosscut the quartz gash. Chlorite is also present in this gash. This gash is located by a contact between a rhyolite dyke and a diorite.

COLOR: Milky white.

SAMPLE 50610

LOCATION: L64+00N 47+30E.

TYPE: Grab of float.

DESCRIPTION: Dacite dyke with small quartz veins approximately 1 mm wide. Within the quartz veins pyrite and chalcopyrite are present. These veins are not common within the rock but are continuous.

COLOR: W.S. orange brown; F.S. light green.

SAMPLE 50611

LOCATION: L66+00N 48+40E.

TYPE: Grab.

DESCRIPTION: Quartz diorite cut by quartz and epidote stringers. Associated with these stringers is pyrite and chalcopyrite. Ferroan dolomite and calcite is also present.

REMARKS: At this location there was a soil sample with a value of 1,010 ppb.

SAMPLE 50612

LOCATION: L67+50N 47+40E. South end of Martial Lake.

TYPE: Grab of float.

DESCRIPTION: Sheared granite with stringers of ferroan dolomite and calcite. Associated with the stringers are pyrite and chalcopyrite (approximately 5%).

COLOR: W.S. light brownish red; F.S. greyish white.

REMARKS: High grade.

SAMPLE 50613

LOCATION: L70+00N 48+40E.

TYPE: Grab.

DESCRIPTION: Sericitic schist next to a rhyolite dyke. The schist is cut by two fracture directions.

COLOR: Whitish yellow.

ORIENTATION: Fractures - 1) strike 312°, dip 71°E; 2) strike 351° dip 90°.

SAMPLE 50614

LOCATION: L70+00N 48+40E.

TYPE: Grab.

DESCRIPTION: Rhyolite dyke with flow banding being very apparent. The dyke seems to curve away from the strike seen in the outcrop and follows along the road (south end of Martial Lake).

ORIENTATION: Dyke strike 342° dip 77°E at outcrop.

REMARKS: This sample should be compared to the above sample.

SAMPLE 50615

LOCATION: L78+00N 46+40E. East of Tedi Pit Rd.

TYPE: Grab.

DESCRIPTION: Sheared diorite which has been later intruded by a high amount of silica (ie large siliceous area disrupts foliation). Within the silica approximately 5% cubic pyrite and minor amounts of galena are present.

COLOR: W.S. rusty brown; F.S. light green with quartz being white with bluish ting.

SAMPLE 50616

LOCATION: Dority Creek. At elevation 3250 feet.

TYPE: Grab.

DESCRIPTION: Highly siliceous zones within the rhyolite dyke which has a rusty appearance. Within these zones calcite and fractures containing limonite are present. The fractures cut both the calcite crystals and the more siliceous part of the dyke.

SAMPLE 50617

LOCATION: Dority Creek. At elevation 3125 feet.

TYPE: Grab.

DESCRIPTION: Medium-grained diorite with small fractures filled with pyrite and chalcopyrite. The larger fractures which are present in the rock have an orientation of- strike 124°, dip 71°S. This rock is also cut by the prominent diamond shaped jointing pattern.

ORIENTATION: Large fractures strike 124° dip 71°S.

SAMPLE 50618

LOCATION: Dority Creek. At elevation 3120 feet.

TYPE: Grab.

DESCRIPTION: 10 to 15 m down the creek from the last sample is a small fault zone. Within this fault zone silicification along shears is observed. The silicified zones contain pyrite and red strings (possibly jasper). Ferroan dolomite is also present within the fault zone.

COLOR: W.S. orangish brown; F.S. grey white and red.

ORIENTATION: Fault strikes 330° dip 65°W.

SAMPLE 50619

LOCATION: Dority Creek. At elevation 3075 feet.

TYPE: Grab.

DESCRIPTION: A siliceous lens with five percent pyrite disseminated throughout. Calcite is also present in the quartz. The extent of these lens is not known because the outcrop is mostly covered by debris.

COLOR: W.S. rusty brown; F.S. bluish white.

ORIENTATION: Strike of siliceous lens seems to be approximately 135°.

SAMPLE 50620

LOCATION: Dority Creek. At elevation 3050 feet.

TYPE: Grab.

DESCRIPTION: Small fault zone with siliceous zones containing disseminated pyrite. Small calcite veins are also present within this fault zone. In places the quartz looks slightly mylonitic. This zone is approximately 7 m wide.

COLOR: W.S. rusty brown; F.S. white, red and brown.

ORIENTATION: Fault strike 181° dip 75°W.

SAMPLE 50621

LOCATION: Dority Creek. At elevation 2980 feet.

TYPE: Grab.

DESCRIPTION: A siliceous zone with fine disseminated pyrite throughout which is cut by the two prominent fractures noted in the area.

COLOR: W.S. greyish brown; F.S. green and white.

ORIENTATION: Siliceous zone strike 187°, dip 90°E. Fractures - 1) strike 350°, dip 87°E; 2) strike 320° dip 47°W.

SAMPLE 50622

LOCATION: Dority Creek. At elevation 2900 feet.

TYPE: 0.25 m chip.

DESCRIPTION: Highly altered greenstone which is sheared. In between the shears is a large amount (> 5%) of pyrite and galena. Both the pyrite and galena are cubic. There is also minor carbonate within this rock.

COLOR: W.S. reddish brown; F.S. light green.

ORIENTATION: Foliation strike 196° dip 88°W.

REMARKS: High grade.

SAMPLE 50623

LOCATION: Dority Creek. At elevation 2910 feet.

TYPE: Grab.

DESCRIPTION: Sheared greenstone with quartz zones with chlorite stringers within them. The quartz contains pyrite and chalcopyrite and galena greater than 5% in abundance.

SAMPLE 50624

LOCATION: South side of Brandywine Creek - see sample location map.

TYPE: Grab.

DESCRIPTION: Quartz gash which is drusy and translucent with well-formed quartz crystals. At the contact of the quartz gash and the country rock pyrite, chalcopyrite, and galena are present. These small gashes are four cm wide.

REMARKS: The mineralization here is similar to the drusy quartz found at the quartz tunnel.

SAMPLE 50625

LOCATION: South side of Brandywine Creek - see sample location map.

TYPE: Grab.

DESCRIPTION: Granodiorite with disseminated pyrite throughout it. There are small fractures (< 1mm wide) which are filled with pyrite, however these fractures are rare. There is a weak foliation within this rock where pyrite is also noted.

REMARKS: This is the country rock surrounding sample 50624.

SAMPLE 50626

LOCATION: South side of Brandywine on upper logging road - see location map.

TYPE: 1 m chip down mineralized vein.

DESCRIPTION: Sericitic schist with limonite staining. The schist contains zones of mineralization containing galena, pyrite and malachite. Calcite is also present.

ORIENTATION: Foliation strike 180° dip 90°.

SAMPLE 50627

LOCATION: L65N 41+80E. (main zone)

TYPE: 0.5 m chip.

DESCRIPTION: Greenstone with a high content of ferroan dolomite and approximately 2% pyrite. Calcite veins are present and may run parallel to foliation.

REMARKS: See picture 17.

COLOR: Brown.

SAMPLE 50628

LOCATION: L65N 41+80E. (main zone)
TYPE: 0.5 m chip.
DESCRIPTION: Greenstone with minor ferroan dolomite and approximately 2% pyrite. Some calcite also present.
COLOR: Green.
REMARKS: Taken next to sample 50627.

SAMPLE 50629

LOCATION: L66+00N 41+80E. (main zone)
TYPE: 0.25m chip.
DESCRIPTION: Greenstone with ferroan dolomite and calcite. There are small siliceous zones where minerals such as galena and pyrite are concentrated.
COLOR: Green with brown.

SAMPLE 50630

LOCATION: L64+90N 42+50E. (main zone)
TYPE: 1 m chip.
DESCRIPTION: Greenstone with ferroan dolomite, calcite and some siliceous areas. Cubic pyrite is approximately 5% in abundance and occurs along the foliation.
COLOR: Light green.

SAMPLE 50631

LOCATION: L83+90N 46+20E. Tedi Pit.
TYPE: Grab.
DESCRIPTION: Quartz feldspar porphyry. This rock caps a highly mineralized zone.
COLOR: White.

SAMPLE 50632

LOCATION: L84+00N 47+80E. Tedi Pit.
TYPE: Grab.
DESCRIPTION: Highly siliceous rock with disseminated pyrite and galena throughout.
COLOR: Light greenish grey.
REMARKS: High grade.

SAMPLE 50633

LOCATION: L82+50N 47+50E. Tedi Pit.
TYPE: Grab.
DESCRIPTION: Greenstone with abundant pyrite, galena and malachite. Mineralization > 15%. Large zone of massive galena.
REMARKS: High grade.

SAMPLE 50634

LOCATION: L82+50N 47+75E. Tedi Pit.
TYPE: Grab.
DESCRIPTION: Highly siliceous rock with disseminated pyrite and galena throughout, malachite also present. Similar to sample 50632.
COLOR: Greenish grey.
REMARKS: High grade.

SAMPLE 50635

LOCATION: L82+20N 47+50E. Tedi Pit.
TYPE: Grab.
DESCRIPTION: Greenstone with siliceous zones along the foliation which contains pyrite and galena. Mineralization is approximately 5 - 7% in abundance.
REMARKS: High grade.

SAMPLE 50636

LOCATION: L83+90N 46+20E.

TYPE: Grab.

DESCRIPTION: This rock has a high sulfide content which includes pyrite, galena, and chalcopyrite. Mineralization is approximately 20 - 30% of rock.

REMARKS: High grade. A similar type of rock is in storage at the lab.

SAMPLE 50637

LOCATION: L69+50N 48+25E. South end of Martial Lake.

TYPE: Grab.

DESCRIPTION: Brecciated contact of the sheared granite at south end of Martial Lake.

APPENDIX 1(b)
ROCK GEOCHEMICAL RESULTS

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
 ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
 ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
 SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK USED	TIME	RANGE	METHOD
MO	PPM	0.5	HCLO4/HNO3	4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	HCLO4/HNO3	4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	HCLO4/HNO3	4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	HCLO4/HNO3	4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
AG	PPM	0.5	HCLO4/HNO3	4HRS	0.2-20	A.A. BACKGROUND COR
AU	PPM	10.0	AQUA REGIA	3HRS	0.01-4.00	A.A. SOLVENT EXTRACT.
AU1	PPB	10.0	AQUA REGIA	3HRS	5-4000	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO3	2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	HF/HCLO4/HNO3/HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	0.5	HCLO4/H3PO4	2HRS	2-1000	DC PLASMA
F	PPM	0.25	NA2CO3/KN03 FUSION	30MIN	40-4000	SPECIFIC ION ELECTRODE
AS	PPM	0.5	AQUA REGIA	3HRS	2-2000	DC PLASMA
SB	PPM	0.5	HCL/HNO3	3HRS	2-2000	DC PLASMA
BI	PPM	0.5	HCLO4/HNO3	4HRS	2-2000	A.A. BACKGROUND COR.
MN	PPM	0.5	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
FE	%	0.5	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	DC PLASMA
HG	PPB	0.25	DIL HNO3/HCL	2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	DC PLASMA
K	%	0.5	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	DC PLASMA
CA	%	0.5	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	DC PLASMA
SR	PPM	0.5	HF/HCLO4/HNO3/HCL	6HRS	10-2000	DC PLASMA
MG	%	0.5	HF/HCLO4/HNO3/HCL	6HRS	0.2-20%	DC PLASMA
SN	PPM	1.0	NH4I FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
PT	PPB	25.0	FIRE ASSAY	45MIN	DL 10PPB	DC PLASMA
PD	PPB	25.0	FIRE ASSAY	45MIN	DL 5PPB	DC PLASMA
LOI	%	1.0	ASH 600 DEG C	2HRS	0.02-99%	WEIGH RESIDUE

BRANDYWINE 1989 ROCK ASSAY RESULTS

SAMPLE	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
BW 43376	0.40	7.00	20.00	32.00	90.00	173.00
BW 43377	8.00	66.00	10.00	63.00	6200.00	1260.00
BW 43378	6.00	48.00	325.00	72.00	930.00	1550.00
BW 43379	0.80	24.00	20.00	25.00	250.00	560.00
BW 43380	0.80	36.00	25.00	46.00	22.00	114.00
BW 43381	1300.00	15.00	645.00	38.00	188.00	67.00
BW 43382	1.40	7.00	15.00	40.00	36.00	28.00
BW 43383	0.50	9.00	25.00	76.00	5.00	12.00
BW 43384	0.50	10.00	10.00	56.00	145.00	116.00
BW 43385	3.80	38.00	40.00	290.00	1000.00	510.00
BW 43386	6100.00	69.00	10.00	57.00	1560.00	1040.00
BW 43387	1.30	26.00	2.50	15.00	18.00	87.00
BW 43388	0.50	13.00	25.00	36.00	18.00	83.00
BW 43396	2000.00	44.00	1175.00	187.00	53.00	790.00
BW 43397	0.10	7.00	10.00	8.00	24.00	20.00
BW 43398	19500.00	114.00	2045.00	39000.00	138000.00	102000.00
BW 43399	1.90	17.00	95.00	144.00	640.00	950.00
BW 43400	0.40	1.00	30.00	172.00	56.00	115.00
BW 43401	6000.00	9.00	570.00	26.00	3100.00	2250.00
BW 43402	0.10	1.00	2.50	5.00	15.00	70.00
BW 43403	0.20	1.00	2.50	3.00	19.00	76.00
BW 43404	0.10	2.00	2.50	33.00	6.00	58.00
BW 43405	1.20	3.00	760.00	80.00	20.00	77.00
BW 43406	0.10	1.00	20.00	11.00	7.00	55.00
BW 43407	1900.00	71.00	660.00	740.00	55.00	4100.00
BW 43408	2.80	20.00	285.00	530.00	33.00	1580.00
BW 43409	0.40	1.00	2.50	57.00	4.00	75.00
BW 43410	0.10	2.00	2.50	3.00	1.00	39.00
BW 43411	0.10	7.00	2.50	47.00	5.00	70.00
BW 43412	0.10	1.00	10.00	23.00	7.00	95.00
BW 43413	0.10	1.00	2.50	86.00	7.00	82.00
BW 43414	0.20	1.00	2.50	63.00	4.00	85.00
BW 43415	0.10	1.00	2.50	15.00	3.00	62.00
BW 43416	0.10	1.00	2.50	17.00	4.00	114.00
BW 43417	0.10	3.00	2.50	3.00	2.00	7.00
BW 43418	0.10	1.00	0.00	25.00	3.00	56.00
BW 43419	0.50	1.00	0.00	22.00	190.00	780.00
BW 43420	0.50	1.00	0.00	12.00	190.00	480.00
BW 43421	0.10	1.00	0.00	41.00	4.00	84.00
BW 43422	1.60	2.00	0.00	12.00	72.00	70.00
BW 43423	0.30	11.00	0.00	9.00	28.00	19.00
BW 43424	0.20	12.00	0.00	3.00	9.00	23.00
BW 43425	0.30	1.00	0.00	118.00	4.00	43.00
BW 43426	0.30	1.00	0.00	6.00	10.00	95.00
BW 43427	0.10	3.00	0.00	21.00	6.00	61.00
BW 43428	0.20	1.00	0.00	7.00	16.00	24.00
BW 43429	0.50	17.00	0.00	7.00	21.00	94.00
BW 43430	2200.00	3.00	0.00	41.00	1750.00	1140.00
BW 43431	0.10	5.00	2.50	102.00	31.00	95.00
BW 43432	0.80	1.00	1850.00	230.00	270.00	44.00
BW 43433	0.10	1.00	2.50	144.00	2.00	62.00
BW 43434	4.50	71.00	45.00	182.00	70.00	740.00
BW 43435	1.80	21.00	160.00	660.00	8.00	270.00
BW 43436	0.10	1.00	15.00	12.00	140.00	730.00
BW 43437	1.00	21.00	235.00	143.00	16.00	47.00
BW 43438	0.20	2.00	2.50	55.00	4.00	44.00
BW 43439	0.30	1.00	2.50	18.00	2.00	45.00
BW 43440	0.20	3.00	15.00	7.00	14.00	45.00
BW 43441	1.60	1.00	30.00	950.00	1.00	23.00

BRANDYWINE 1989 ROCK ASSAY RESULTS

SAMPLE	AG (PPM)	AS (PPM)	AUI (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
BW 43442	0.10	1.00	2.50	46.00	3.00	55.00
BW 43443	0.10	1.00	2.50	27.00	4.00	80.00
BW 43444	0.10	1.00	2.50	5.00	1.00	46.00
BW 43445	2.50	5.00	25.00	690.00	9.00	8500.00
BW 43446	0.80	1.00	90.00	1380.00	313.00	105000.00
BW 43447	0.50	1.00	10.00	143.00	115.00	970.00
BW 43448	0.10	1.00	20.00	5.00	2.00	14.00
BW 43449	0.10	1.00	20.00	5.00	5.00	79.00
BW 43450	0.20	4.00	2.50	41.00	4.00	188.00
BW 43451	0.50	7.00	40.00	150.00	3.00	54.00
BW 43452	0.60	1.00	120.00	109.00	6.00	207.00
BW 43453	1400.00	24.00	125.00	27.00	1050.00	3300.00
BW 43454	0.60	23.00	2.50	13.00	31.00	60.00
BW 43455	0.10	1.00	2.50	4.00	2.00	4.00
BW 43456	1.40	21.00	15.00	29.00	18.00	82.00
BW 43457	4.30	12.00	125.00	53.00	175.00	255.00
BW 43458	4.90	1.00	2.50	11.00	88.00	1.00
BW 43459	0.10	1.00	10.00	5.00	5.00	44.00
BW 43460	1.70	1.00	15.00	8.00	64.00	22.00
BW 43461	3.70	61.00	810.00	222.00	28.00	240.00
BW 43462	2.00	1.00	65.00	60.00	14.00	142.00
BW 43463	0.20	9.00	2.50	101.00	13.00	62.00
BW 43464	1600.00	6.00	6200.00	1030.00	24200.00	10800.00
BW 43465	1.30	1.00	2.50	13.00	55.00	296.00
BW 43466	0.20	1.00	2.50	21.00	54.00	120.00
BW 43467	0.20	1.00	2.50	74.00	2.00	3.00
BW 43468	0.10	2.00	2.50	12.00	3.00	59.00
BW 43469	1.10	1.00	2.50	86.00	42.00	68.00
BW 43470	0.20	1.00	2.50	28.00	4.00	16.00
BW 43471	0.10	1.00	2.50	172.00	2.00	30.00
BW 43472	0.10	1.00	2.50	64.00	2.00	65.00
BW 43473	0.20	31.00	2.50	110.00	10.00	92.00
BW 43474	0.10	1.00	2.50	8.00	3.00	9.00
BW 43475	5800.00	560.00	2020.00	1220.00	11800.00	30800.00
BW 50601	7.00	41.00	250.00	89.00	253.00	238.00
BW 50602	0.20	43.00	10.00	27.00	13.00	85.00
BW 50603	0.10	10.00	2.50	22.00	8.00	26.00
BW 50604	0.80	16.00	2.50	9.00	30.00	102.00
BW 50605	0.10	2.00	2.50	5.00	1.00	1.00
BW 50606	1.10	9.00	30.00	14.00	60.00	82.00
BW 50607	0.20	1.00	15.00	12.00	20.00	50.00
BW 50608	0.20	1.00	2.50	250.00	4.00	28.00
BW 50609	0.10	3.00	2.50	39.00	3.00	17.00
BW 50610	2.40	3.00	35.00	118.00	36.00	55.00
BW 50611	0.10	1.00	15.00	41.00	4.00	54.00
BW 50612	0.10	1.00	10.00	10.00	3.00	22.00
BW 50613	0.10	14.00	2.50	23.00	1.00	8.00
BW 50614	0.30	2.00	70.00	15.00	22.00	130.00
BW 50615	0.10	4.00	2.50	2.00	4.00	27.00
BW 50616	0.10	5.00	2.50	56.00	10.00	136.00
BW 50617	0.10	4.00	2.50	126.00	6.00	87.00
BW 50618	0.40	21.00	2.50	171.00	27.00	95.00
BW 50619	0.20	3.00	2.50	70.00	5.00	40.00
BW 50620	0.40	11.00	30.00	116.00	7.00	64.00
BW 50621	0.30	1.00	10.00	47.00	76.00	51.00
BW 50622	0.30	1.00	60.00	29.00	156.00	520.00
BW 50623	7.00	1.00	1400.00	850.00	10600.00	8300.00
BW 50624	56000.00	4.00	0.00	2830.00	1270.00	3300.00
BW 50625	2.30	28.00	65.00	172.00	59.00	1180.00
BW 50626	2200.00	102.00	400.00	710.00	4600.00	28200.00

BRANDYWINE 1989 ROCK ASSAY RESULTS

SAMPLE	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
BW 50627	1.10	1.00	275.00	90.00	288.00	335.00
BW 50628	0.30	1.00	30.00	57.00	14.00	102.00
BW 50629	4.00	1.00	810.00	214.00	1540.00	2340.00
BW 50630	2.10	1.00	1135.00	40.00	225.00	127.00
BW 50631	0.20	1.00	25.00	11.00	14.00	85.00
BW 50632	1100.00	1.00	200.00	800.00	6600.00	8600.00
BW 50633	5500.00	1.00	360.00	1400.00	70000.00	26400.00
BW 50634	1400.00	8.00	200.00	1100.00	111000.00	7300.00
BW 50635	4.20	1.00	60.00	840.00	1740.00	950.00
BW 50636	12500.00	13.00	1250.00	33000.00	64000.00	177000.00
BW 50637	0.10	1.00	2.50	28.00	46.00	45.00

APPENDIX 2 (a)
SOIL GEOCHEMICAL RESULTS:
BRANDYWINE GRID AREA

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
 ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
 ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
 SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK USED	TIME	RANGE	METHOD
MO	PPM	0.5	HClO ₄ /HNO ₃	4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	HClO ₄ /HNO ₃	4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-2000	ATOMIC ABSORPTION
AG	PPM	0.5	HClO ₄ /HNO ₃	4HRS	0.2-20	A.A. BACKGROUND COR
AU	PPM	10.0	AQUA REGIA	3HRS	0.01-4.00	A.A. SOLVENT EXTRACT.
AU1	PPB	10.0	AQUA REGIA	3HRS	5-4000	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO ₃	2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	0.5	HClO ₄ /H ₃ PO ₄	2HRS	2-1000	DC PLASMA
F	PPM	0.25	NA ₂ CO ₃ /KNO ₃ FUSION	30MIN	40-4000	SPECIFIC ION ELECTRODE
AS	PPM	0.5	AQUA REGIA	3HRS	2-2000	DC PLASMA
SB	PPM	0.5	HCL/HNO ₃	3HRS	2-2000	DC PLASMA
BI	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-2000	A.A. BACKGROUND COR.
MN	PPM	0.5	HClO ₄ /HNO ₃	4HRS	2-2000	ATOMIC ABSORPTION
FE	%	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-20%	DC PLASMA
HG	PPB	0.25	DIL HNO ₃ /HCL	2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.2 -20%	DC PLASMA
K	%	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.2 -20%	DC PLASMA
CA	%	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-20%	DC PLASMA
SR	PPM	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	10-2000	DC PLASMA
MG	%	0.5	HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.2-20%	DC PLASMA
SN	PPM	1.0	NH ₄ I FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
PT	PPB	25.0	FIRE ASSAY	45MIN	DL 10PPB	DC PLASMA
PD	PPB	25.0	FIRE ASSAY	45MIN	DL 5PPB	DC PLASMA
LOI	%	1.0	ASH 600 DEG C	2HRS	0.02-99%	WEIGH RESIDUE

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L55+00N	52+00E	0.10	3.00	2.50	26.00	4.00	44.00
L55+00N	52+40E	0.10	3.00	2.50	11.00	7.00	31.00
L55+00N	52+80E	0.10	1.00	2.50	10.00	5.00	26.00
L55+00N	53+20E	0.20	3.00	2.50	18.00	7.00	39.00
L55+00N	54+00E	0.10	4.00	2.50	20.00	5.00	47.00
L55+00N	54+40E	0.20	4.00	2.50	12.00	5.00	40.00
L55+00N	54+80E	0.10	4.00	2.50	23.00	7.00	64.00
L55+00N	55+20E	0.40	1.00	2.50	29.00	6.00	56.00
L55+00N	55+60E	0.40	2.00	2.50	20.00	5.00	64.00
L55+00N	56+40E	1.30	14.00	30.00	51.00	57.00	250.00
L55+00N	56+80E	0.90	11.00	2.50	51.00	41.00	261.00
L55+00N	57+20E	4.80	26.00	40.00	286.00	126.00	1070.00
L55+00N	58+00E	6.00	9.00	25.00	113.00	97.00	277.00
L55+00N	58+40E	0.20	2.00	2.50	45.00	7.00	88.00
L55+00N	58+80E	0.30	1.00	2.50	35.00	7.00	107.00
L55+00N	59+20E	0.20	5.00	30.00	43.00	8.00	91.00
L55+00N	59+60E	0.40	8.00	2.50	34.00	7.00	107.00
L55+00N	60+00E	0.10	1.00	2.50	44.00	8.00	146.00
L55+00N	60+40E	0.30	1.00	2.50	41.00	10.00	125.00
L55+00N	60+80E	0.30	2.00	2.50	38.00	8.00	171.00
L55+00N	61+20E	0.10	1.00	2.50	37.00	6.00	58.00
L55+00N	61+60E	0.10	6.00	2.50	157.00	5.00	78.00
L55+00N	62+00E	0.10	90.00	2.50	108.00	6.00	57.00
L55+00N	62+40E	0.20	5.00	2.50	41.00	5.00	105.00
L55+00N	62+80E	0.10	4.00	2.50	57.00	5.00	110.00
L55+00N	63+20E	0.20	1.00	2.50	32.00	7.00	98.00
L55+10N	63+20E	0.20	1.00	2.50	32.00	6.00	110.00
L56+00N	51+60E	0.40	9.00	2.50	37.00	33.00	200.00
L56+00N	52+40E	0.70	9.00	2.50	32.00	42.00	210.00
L56+00N	53+20E	1.00	11.00	100.00	23.00	30.00	126.00
L56+00N	54+40E	0.20	1.00	2.50	38.00	13.00	55.00
L56+00N	54+80E	0.50	3.00	2.50	11.00	28.00	120.00
L56+00N	55+20E	0.10	1.00	2.50	23.00	6.00	68.00
L56+00N	55+60E	0.40	1.00	10.00	39.00	10.00	114.00
L56+00N	56+00E	0.30	3.00	2.50	10.00	6.00	25.00
L56+00N	56+40E	1.50	10.00	15.00	36.00	48.00	206.00
L56+00N	57+60E	1.00	10.00	2.50	32.00	33.00	105.00
L56+00N	58+40E	0.30	1.00	2.50	18.00	8.00	88.00
L56+00N	58+80E	0.10	1.00	2.50	24.00	8.00	68.00
L56+00N	59+20E	0.20	1.00	5.00	21.00	32.00	375.00
L56+00N	59+60E	0.10	1.00	20.00	31.00	9.00	86.00
L56+00N	60+00E	0.10	1.00	2.50	35.00	13.00	107.00
L56+00N	60+40E	0.10	1.00	2.50	31.00	8.00	98.00
L56+00N	60+80E	0.10	1.00	2.50	19.00	8.00	95.00
L56+00N	61+20E	0.10	1.00	2.50	27.00	8.00	89.00
L56+00N	61+60E	0.10	1.00	10.00	56.00	9.00	56.00
L56+00N	62+00E	0.10	1.00	2.50	46.00	10.00	70.00
L56+00N	62+40E	0.10	1.00	2.50	24.00	9.00	73.00
L57+00N	50+00E	0.10	1.00	2.50	3.00	2.00	11.00
L57+00N	50+40E	0.10	1.00	2.50	4.00	6.00	22.00
L57+00N	50+80E	0.10	1.00	2.50	28.00	18.00	170.00
L57+00N	51+20E	0.30	1.00	2.50	33.00	40.00	206.00
L57+00N	51+40E	0.40	7.00	15.00	18.00	23.00	75.00
L57+00N	51+60E	1.60	3.00	1410.00	59.00	115.00	364.00
L57+00N	51+80E	0.70	6.00	10.00	35.00	32.00	122.00
L57+00N	52+00E	0.30	1.00	2.50	16.00	12.00	102.00
L57+00N	52+40E	0.10	5.00	2.50	33.00	7.00	65.00
L57+00N	52+80E	0.20	1.00	2.50	37.00	5.00	68.00
L57+00N	53+20E	0.30	2.00	2.50	72.00	11.00	92.00
L57+00N	53+60E	0.50	1.00	10.00	48.00	6.00	100.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L57+00N	54+00E	0.30	1.00	10.00	58.00	9.00	56.00
L57+00N	54+40E	0.60	1.00	2.50	41.00	9.00	130.00
L57+00N	54+60E	1.00	5.00	35.00	65.00	12.00	90.00
L57+00N	54+80E	2.20	18.00	515.00	316.00	78.00	397.00
L57+00N	55+00E	2.50	19.00	40.00	243.00	70.00	283.00
L57+00N	55+20E	2.70	13.00	75.00	310.00	82.00	420.00
L57+00N	55+40E	2.80	13.00	15.00	242.00	70.00	227.00
L57+00N	55+60E	2.20	7.00	35.00	312.00	98.00	320.00
L57+00N	55+80E	2.40	9.00	25.00	376.00	50.00	190.00
L57+00N	57+20E	2.20	6.00	10.00	143.00	32.00	500.00
L57+00N	57+60E	1.10	4.00	2.50	138.00	15.00	185.00
L57+00N	58+00E	1.00	5.00	2.50	30.00	6.00	151.00
L57+00N	58+80E	0.30	1.00	2.50	44.00	21.00	98.00
L57+00N	59+20E	0.20	1.00	2.50	30.00	6.00	82.00
L57+00N	59+60E	0.30	1.00	2.50	11.00	6.00	93.00
L57+00N	60+00E	0.20	1.00	2.50	72.00	5.00	64.00
L57+00N	60+40E	0.40	1.00	2.50	31.00	7.00	125.00
L57+00N	60+80E	0.40	1.00	15.00	42.00	10.00	125.00
L57+00N	61+20E	0.20	2.00	10.00	42.00	8.00	100.00
L57+00N	61+60E	0.50	4.00	2.50	64.00	9.00	122.00
L57+00N	62+00E	0.20	1.00	2.50	74.00	6.00	92.00
L57+00N	62+40E	0.40	1.00	5.00	44.00	12.00	184.00
L57+00N	62+80E	0.40	1.00	10.00	33.00	6.00	108.00
L57+00N	63+20E	0.20	1.00	115.00	55.00	6.00	90.00
L57+00N	63+60E	0.30	1.00	20.00	29.00	9.00	130.00
L57+00N	64+00E	0.20	1.00	25.00	57.00	7.00	65.00
L57+00N	64+40E	0.30	1.00	2.50	35.00	8.00	106.00
L58+00N	47+60E	0.10	1.00	305.00	21.00	6.00	28.00
L58+00N	48+00E	0.40	1.00	15.00	30.00	30.00	177.00
L58+00N	48+40E	0.40	1.00	125.00	25.00	11.00	46.00
L58+00N	49+20E	8.00	20.00	2.50	58.00	53.00	3300.00
L58+00N	49+60E	0.20	6.00	10.00	24.00	13.00	118.00
L58+00N	50+00E	0.20	3.00	15.00	24.00	5.00	40.00
L58+00N	50+40E	0.20	1.00	10.00	10.00	4.00	54.00
L58+00N	50+80E	0.50	2.00	2.50	16.00	10.00	136.00
L58+00N	51+20E	0.70	8.00	2.50	60.00	22.00	160.00
L58+00N	51+60E	0.70	1.00	2.50	22.00	11.00	112.00
L58+00N	52+00E	1.20	1.00	2.50	22.00	24.00	234.00
L58+00N	52+40E	1.80	28.00	2.50	53.00	73.00	171.00
L58+00N	52+80E	0.80	2.00	2.50	24.00	25.00	220.00
L58+00N	53+20E	0.90	8.00	5.00	44.00	32.00	107.00
L58+00N	53+60E	0.80	1.00	2.50	16.00	20.00	216.00
L58+00N	54+00E	0.80	3.00	2.50	57.00	19.00	246.00
L58+00N	54+40E	0.70	1.00	2.50	37.00	21.00	161.00
L58+00N	54+80E	1.40	1.00	2.50	34.00	46.00	310.00
L58+00N	55+20E	0.60	1.00	2.50	50.00	32.00	330.00
L58+00N	55+60E	0.50	1.00	2.50	114.00	21.00	270.00
L58+00N	56+00E	0.90	2.00	2.50	81.00	26.00	270.00
L58+00N	56+40E	8600.00	75.00	300.00	160.00	1800.00	1880.00
L58+00N	56+80E	4.80	26.00	25.00	373.00	123.00	387.00
L58+00N	57+00E	2.80	52.00	25.00	85.00	68.00	218.00
L58+00N	57+20E	4.40	10.00	70.00	86.00	35.00	1000.00
L58+00N	57+20E	7.00	14.00	2.50	77.00	37.00	460.00
L58+00N	57+60E	0.20	1.00	2.50	58.00	9.00	110.00
L58+00N	58+80E	0.20	1.00	2.50	16.00	8.00	53.00
L58+00N	59+20E	0.20	2.00	2.50	54.00	11.00	67.00
L58+00N	59+60E	0.10	1.00	2.50	75.00	10.00	62.00
L58+00N	60+00E	0.10	1.00	2.50	34.00	12.00	40.00
L58+00N	60+40E	0.10	1.00	5.00	12.00	11.00	60.00
L58+00N	60+80E	0.10	1.00	2.50	55.00	12.00	78.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L58+00N	61+20E	0.10	1.00	20.00	44.00	12.00	77.00
L58+00N	61+60E	0.10	1.00	30.00	42.00	13.00	120.00
L58+00N	62+00E	0.10	1.00	20.00	113.00	9.00	90.00
L58+00N	62+40E	0.20	1.00	25.00	31.00	8.00	100.00
L58+00N	62+80E	0.10	2.00	5.00	26.00	12.00	72.00
L58+00N	63+20E	0.10	1.00	80.00	73.00	6.00	62.00
L58+00N	63+60E	0.20	1.00	2.50	41.00	9.00	97.00
L58+00N	64+00E	0.10	3.00	2.50	70.00	7.00	78.00
L58+00N	64+40E	0.10	1.00	2.50	32.00	10.00	93.00
L58+00N	64+80E	0.10	1.00	2.50	38.00	8.00	91.00
L58+10N	49+60E	0.20	1.00	2.50	20.00	11.00	78.00
L59+00N	47+20E	0.30	3.00	10.00	38.00	16.00	78.00
L59+00N	47+60E	0.30	5.00	20.00	18.00	8.00	51.00
L59+00N	48+00E	0.50	2.00	10.00	37.00	18.00	295.00
L59+00N	48+20E	0.40	2.00	100.00	13.00	27.00	238.00
L59+00N	48+40E	0.10	3.00	50.00	25.00	16.00	127.00
L59+00N	48+60E	0.20	2.00	2.50	14.00	7.00	82.00
L59+00N	48+80E	0.20	3.00	2.50	16.00	10.00	208.00
L59+00N	49+20E	0.30	2.00	2.50	21.00	8.00	76.00
L59+00N	49+60E	0.40	3.00	10.00	30.00	43.00	276.00
L59+00N	50+00E	1.80	20.00	60.00	90.00	211.00	560.00
L59+00N	50+20E	1.80	6.00	15.00	31.00	17.00	136.00
L59+00N	50+40E	1.20	1.00	385.00	18.00	31.00	247.00
L59+00N	50+60E	0.70	5.00	25.00	12.00	40.00	144.00
L59+00N	50+80E	1.30	3.00	2.50	43.00	20.00	185.00
L59+00N	51+00E	1.70	12.00	2.50	38.00	20.00	146.00
L59+00N	51+20E	1.60	9.00	70.00	27.00	88.00	286.00
L59+00N	51+40E	0.50	1.00	230.00	2.00	8.00	60.00
L59+00N	51+60E	2.20	16.00	15.00	20.00	40.00	540.00
L59+00N	51+80E	1.40	18.00	2.50	10.00	22.00	152.00
L59+00N	52+00E	1.20	5.00	2.50	22.00	20.00	210.00
L59+00N	52+20E	0.40	9.00	20.00	24.00	29.00	73.00
L59+00N	52+40E	0.50	4.00	25.00	19.00	26.00	126.00
L59+00N	52+60E	1.50	10.00	20.00	12.00	47.00	86.00
L59+00N	52+80E	0.30	3.00	35.00	19.00	27.00	123.00
L59+00N	53+20E	0.30	6.00	35.00	34.00	31.00	187.00
L59+00N	53+40E	0.50	10.00	10.00	11.00	23.00	97.00
L59+00N	53+60E	1.30	5.00	2.50	55.00	20.00	395.00
L59+00N	54+00E	0.40	4.00	2.50	44.00	22.00	366.00
L59+00N	54+20E	1.30	1.00	2.50	11.00	12.00	97.00
L59+00N	54+40E	0.40	1.00	20.00	45.00	23.00	200.00
L59+00N	54+60E	0.80	8.00	20.00	34.00	20.00	75.00
L59+00N	54+80E	3.00	5.00	100.00	193.00	79.00	33.00
L59+00N	55+00E	3.60	21.00	110.00	253.00	90.00	380.00
L59+00N	55+20E	1.80	10.00	30.00	120.00	122.00	205.00
L59+00N	55+40E	1.40	8.00	2.50	50.00	48.00	122.00
L59+00N	55+60E	1.80	6.00	5.00	68.00	110.00	325.00
L59+00N	55+80E	2.10	18.00	45.00	50.00	50.00	193.00
L59+00N	56+00E	1.30	9.00	115.00	127.00	130.00	450.00
L59+00N	56+20E	1.20	4.00	20.00	53.00	13.00	83.00
L59+00N	56+40E	1.10	5.00	15.00	164.00	17.00	145.00
L59+00N	56+60E	0.50	6.00	15.00	48.00	11.00	50.00
L59+00N	56+80E	0.40	13.00	10.00	71.00	32.00	230.00
L59+00N	57+20E	0.10	1.00	2.50	9.00	11.00	51.00
L59+00N	57+60E	0.10	1.00	2.50	26.00	13.00	70.00
L59+00N	58+00E	0.10	8.00	2.50	28.00	10.00	92.00
L59+00N	58+40E	0.30	3.00	2.50	58.00	11.00	80.00
L59+00N	58+80E	0.30	1.00	2.50	25.00	9.00	93.00
L59+00N	59+20E	0.60	2.00	2.50	62.00	11.00	86.00
L59+00N	59+60E	0.10	10.00	2.50	24.00	14.00	60.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L59+00N	60+00E	0.20	1.00	2.50	24.00	27.00	57.00
L59+00N	60+40E	0.30	1.00	2.50	30.00	13.00	67.00
L59+00N	60+80E	0.30	3.00	2.50	38.00	12.00	86.00
L59+00N	61+20E	0.20	7.00	2.50	48.00	17.00	110.00
L59+00N	61+60E	0.10	3.00	2.50	52.00	11.00	118.00
L59+00N	62+00E	0.10	4.00	20.00	34.00	8.00	114.00
L59+00N	62+40E	0.20	2.00	2.50	50.00	11.00	140.00
L59+00N	62+80E	0.20	5.00	2.50	27.00	13.00	105.00
L59+10N	49+60E	0.70	10.00	2.50	33.00	60.00	371.00
L60+00N	45+60E	0.20	1.00	2.50	42.00	8.00	44.00
L60+00N	46+40E	0.30	3.00	2.50	38.00	26.00	82.00
L60+00N	46+60E	0.20	1.00	2.50	18.00	13.00	54.00
L60+00N	46+80E	0.30	1.00	40.00	37.00	29.00	81.00
L60+00N	47+00E	0.20	4.00	2.50	40.00	18.00	89.00
L60+00N	47+20E	0.30	2.00	2.50	37.00	14.00	45.00
L60+00N	47+60E	0.50	5.00	2.50	47.00	18.00	64.00
L60+00N	48+00E	0.20	1.00	2.50	22.00	17.00	65.00
L60+00N	48+40E	0.20	6.00	2.50	32.00	13.00	97.00
L60+00N	48+60E	0.70	14.00	2.50	42.00	40.00	365.00
L60+00N	48+80E	0.50	3.00	25.00	42.00	36.00	308.00
L60+00N	49+00E	0.60	8.00	40.00	12.00	14.00	110.00
L60+00N	49+20E	0.50	24.00	2.50	68.00	33.00	1860.00
L60+00N	49+60E	1.20	15.00	30.00	35.00	35.00	228.00
L60+00N	50+00E	0.40	9.00	75.00	15.00	26.00	134.00
L60+00N	50+20E	0.40	8.00	2.50	6.00	14.00	70.00
L60+00N	50+40E	1.20	14.00	2.50	25.00	68.00	400.00
L60+00N	50+60E	1.00	14.00	30.00	22.00	26.00	180.00
L60+00N	50+80E	0.70	9.00	90.00	14.00	64.00	207.00
L60+00N	51+00E	0.30	9.00	2.50	15.00	21.00	75.00
L60+00N	51+20E	1.00	5.00	20.00	22.00	24.00	114.00
L60+00N	51+40E	0.40	5.00	350.00	4.00	24.00	62.00
L60+00N	51+60E	1.20	33.00	130.00	11.00	34.00	190.00
L60+00N	51+80E	0.70	17.00	2.50	10.00	24.00	124.00
L60+00N	52+00E	0.20	4.00	2.50	7.00	23.00	132.00
L60+00N	52+20E	1.20	16.00	25.00	11.00	34.00	174.00
L60+00N	52+40E	5.10	55.00	865.00	25.00	88.00	630.00
L60+00N	52+60E	1.80	27.00	15.00	18.00	21.00	170.00
L60+00N	52+80E	2.80	12.00	25.00	37.00	34.00	304.00
L60+00N	53+00E	0.60	13.00	25.00	5.00	15.00	97.00
L60+00N	53+20E	1.10	9.00	30.00	12.00	71.00	82.00
L60+00N	53+40E	1.70	19.00	185.00	20.00	53.00	116.00
L60+00N	53+60E	0.70	11.00	200.00	13.00	25.00	135.00
L60+00N	53+80E	0.50	8.00	45.00	15.00	15.00	54.00
L60+00N	54+00E	0.70	9.00	15.00	24.00	18.00	310.00
L60+00N	54+40E	5.10	2.00	130.00	37.00	97.00	460.00
L60+00N	54+60E	0.30	8.00	40.00	17.00	17.00	128.00
L60+00N	54+80E	4.10	9.00	30.00	167.00	210.00	660.00
L60+00N	55+00E	3.30	24.00	165.00	300.00	91.00	450.00
L60+00N	55+20E	1200.00	1.00	220.00	227.00	252.00	400.00
L60+00N	55+40E	3.40	17.00	110.00	470.00	52.00	300.00
L60+00N	55+60E	1100.00	19.00	155.00	520.00	142.00	400.00
L60+00N	55+80E	1.30	2.00	45.00	90.00	34.00	150.00
L60+00N	56+00E	0.40	3.00	30.00	24.00	20.00	61.00
L60+00N	56+20E	3.80	24.00	20.00	23.00	85.00	113.00
L60+00N	56+40E	2.20	2.00	80.00	60.00	150.00	660.00
L60+00N	56+60E	1.80	13.00	30.00	52.00	128.00	650.00
L60+00N	56+80E	0.50	8.00	25.00	67.00	45.00	192.00
L60+00N	57+20E	0.30	1.00	20.00	166.00	5.00	58.00
L60+00N	57+60E	0.30	1.00	5.00	95.00	12.00	93.00
L60+00N	58+00E	0.10	1.00	2.50	23.00	7.00	80.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L60+00N	58+40E	0.10	1.00	2.50	6.00	10.00	44.00
L60+00N	59+20E	0.30	1.00	2.50	68.00	7.00	70.00
L60+00N	59+60E	0.10	1.00	10.00	7.00	6.00	35.00
L60+00N	60+00E	0.20	2.00	10.00	33.00	5.00	94.00
L60+00N	60+40E	0.20	1.00	5.00	23.00	7.00	75.00
L60+00N	60+80E	0.10	1.00	2.50	28.00	10.00	50.00
L60+00N	61+20E	0.10	1.00	2.50	59.00	6.00	58.00
L60+00N	61+60E	0.10	1.00	2.50	24.00	6.00	73.00
L60+00N	62+00E	0.10	1.00	2.50	31.00	8.00	95.00
L60+00N	62+40E	0.10	1.00	2.50	41.00	8.00	93.00
L60+00N	62+80E	0.10	1.00	2.50	38.00	29.00	94.00
L60+00N	63+20E	0.30	1.00	2.50	33.00	7.00	143.00
L60+00N	63+60E	0.20	1.00	2.50	28.00	6.00	117.00
L60+00N	64+00E	0.20	1.00	2.50	42.00	6.00	85.00
L60+00N	64+40E	0.40	1.00	2.50	23.00	8.00	106.00
L61+00N	44+00E	0.20	1.00	2.50	70.00	55.00	121.00
L61+00N	44+40E	0.10	4.00	2.50	51.00	25.00	68.00
L61+00N	44+80E	0.10	1.00	10.00	31.00	6.00	59.00
L61+00N	45+20E	0.10	3.00	10.00	28.00	32.00	65.00
L61+00N	45+60E	0.10	1.00	2.50	49.00	14.00	53.00
L61+00N	46+00E	0.20	1.00	20.00	31.00	18.00	66.00
L61+00N	46+40E	0.50	2.00	10.00	50.00	24.00	63.00
L61+00N	46+80E	0.40	2.00	10.00	38.00	21.00	60.00
L61+00N	47+00E	2.00	10.00	60.00	20.00	10.00	83.00
L61+00N	47+20E	0.60	2.00	20.00	30.00	18.00	98.00
L61+00N	47+40E	0.70	5.00	45.00	72.00	32.00	70.00
L61+00N	47+80E	0.70	2.00	40.00	42.00	42.00	105.00
L61+00N	48+00E	0.50	5.00	20.00	36.00	16.00	54.00
L61+00N	48+20E	0.60	3.00	40.00	21.00	18.00	76.00
L61+00N	48+40E	0.60	4.00	15.00	26.00	21.00	77.00
L61+00N	48+80E	0.60	1.00	2.50	9.00	14.00	102.00
L61+00N	49+00E	0.80	4.00	30.00	9.00	13.00	109.00
L61+00N	49+20E	0.50	25.00	50.00	24.00	30.00	172.00
L61+00N	49+40E	0.80	14.00	60.00	40.00	51.00	145.00
L61+00N	49+60E	1.50	9.00	50.00	40.00	106.00	406.00
L61+00N	49+80E	0.50	11.00	2.50	23.00	60.00	83.00
L61+00N	50+00E	1.10	16.00	25.00	33.00	76.00	144.00
L61+00N	50+00E	1.50	25.00	20.00	40.00	102.00	266.00
L61+00N	50+20E	0.80	16.00	220.00	21.00	74.00	450.00
L61+00N	50+40E	1.40	12.00	5.00	36.00	79.00	450.00
L61+00N	50+60E	8.00	17.00	60.00	32.00	103.00	610.00
L61+00N	50+80E	3.30	3.00	260.00	17.00	140.00	780.00
L61+00N	51+00E	2.40	13.00	85.00	21.00	284.00	1370.00
L61+00N	51+20E	2.00	7.00	10.00	31.00	47.00	165.00
L61+00N	51+40E	1.10	1.00	15.00	10.00	24.00	139.00
L61+00N	51+60E	1.60	7.00	2.50	14.00	31.00	340.00
L61+00N	51+80E	1.80	29.00	20.00	16.00	104.00	377.00
L61+00N	52+00E	7.00	88.00	175.00	23.00	83.00	550.00
L61+00N	52+40E	0.60	4.00	2.50	21.00	13.00	168.00
L61+00N	52+60E	2.80	16.00	2.50	13.00	21.00	300.00
L61+00N	52+80E	0.50	13.00	2.50	27.00	22.00	182.00
L61+00N	53+00E	0.40	23.00	2.50	17.00	15.00	105.00
L61+00N	53+20E	0.30	6.00	2.50	20.00	12.00	102.00
L61+00N	53+40E	0.20	6.00	2.50	10.00	10.00	56.00
L61+00N	53+60E	0.90	1.00	50.00	46.00	25.00	223.00
L61+00N	53+80E	7.00	55.00	175.00	59.00	64.00	510.00
L61+00N	54+00E	3.50	51.00	85.00	43.00	28.00	750.00
L61+00N	54+20E	1.80	10.00	65.00	36.00	38.00	255.00
L61+00N	54+40E	3.30	1.00	165.00	146.00	90.00	233.00
L61+00N	54+60E	2.90	13.00	2.50	38.00	60.00	430.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L61+00N	54+80E	1400.00	175.00	135.00	320.00	107.00	1410.00
L61+00N	55+00E	1.10	9.00	2.50	38.00	16.00	118.00
L61+00N	55+20E	3.00	43.00	685.00	336.00	248.00	1000.00
L61+00N	55+60E	7.00	11.00	85.00	107.00	100.00	1060.00
L61+00N	55+80E	0.50	9.00	2.50	12.00	18.00	170.00
L61+00N	56+00E	0.20	6.00	30.00	18.00	16.00	255.00
L61+00N	56+20E	0.40	7.00	2.50	62.00	15.00	78.00
L61+00N	56+40E	0.30	6.00	2.50	109.00	6.00	120.00
L61+00N	56+60E	0.30	6.00	2.50	306.00	13.00	140.00
L61+00N	56+80E	0.60	11.00	80.00	128.00	14.00	167.00
L61+00N	57+00E	0.80	8.00	5.00	610.00	40.00	195.00
L61+00N	57+20E	1.90	35.00	35.00	290.00	39.00	210.00
L61+00N	57+40E	0.20	5.00	10.00	58.00	6.00	88.00
L61+00N	57+60E	0.20	1.00	15.00	92.00	6.00	140.00
L61+00N	57+80E	0.10	1.00	2.50	46.00	8.00	58.00
L61+00N	58+00E	0.80	1.00	15.00	52.00	9.00	137.00
L61+00N	58+00E	1.40	1.00	2.50	48.00	13.00	98.00
L61+00N	58+40E	0.40	3.00	15.00	63.00	7.00	167.00
L61+00N	58+80E	0.20	1.00	2.50	38.00	9.00	74.00
L61+00N	59+20E	0.40	26.00	30.00	177.00	9.00	110.00
L61+00N	59+60E	0.60	4.00	15.00	53.00	8.00	132.00
L61+00N	60+00E	0.50	1.00	5.00	25.00	7.00	81.00
L61+00N	60+40E	0.30	4.00	2.50	17.00	9.00	73.00
L61+00N	60+80E	0.10	1.00	2.50	24.00	6.00	50.00
L61+00N	61+20E	0.10	1.00	10.00	43.00	8.00	56.00
L61+00N	61+60E	0.10	2.00	10.00	70.00	6.00	58.00
L61+00N	62+00E	0.10	2.00	15.00	38.00	7.00	45.00
L61+00N	62+40E	0.10	1.00	5.00	27.00	5.00	109.00
L61+00N	62+80E	0.10	7.00	2.50	14.00	7.00	103.00
L61+00N	63+20E	0.10	1.00	5.00	15.00	6.00	121.00
L61+00N	63+60E	0.10	1.00	35.00	27.00	7.00	110.00
L61+00N	64+00E	0.10	1.00	15.00	34.00	5.00	80.00
L61+00N	64+40E	0.20	1.00	10.00	24.00	6.00	182.00
L62+00N	42+00E	0.10	1.00	10.00	48.00	15.00	62.00
L62+00N	42+80E	0.10	3.00	2.50	19.00	4.00	22.00
L62+00N	43+20E	0.20	1.00	2.50	50.00	33.00	72.00
L62+00N	43+60E	0.20	1.00	15.00	57.00	14.00	79.00
L62+00N	44+00E	0.10	6.00	2.50	32.00	22.00	68.00
L62+00N	44+80E	0.20	4.00	2.50	13.00	8.00	50.00
L62+00N	45+20E	0.20	4.00	2.50	11.00	11.00	55.00
L62+00N	45+40E	2.20	1.00	2.50	80.00	68.00	200.00
L62+00N	45+60E	0.30	6.00	20.00	43.00	16.00	82.00
L62+00N	45+80E	0.30	4.00	2.50	35.00	20.00	62.00
L62+00N	46+00E	0.10	1.00	20.00	65.00	38.00	80.00
L62+00N	46+40E	0.80	3.00	15.00	46.00	16.00	69.00
L62+00N	46+60E	2.00	1.00	2.50	60.00	44.00	188.00
L62+00N	46+80E	0.70	4.00	30.00	39.00	33.00	126.00
L62+00N	47+00E	1.60	6.00	40.00	74.00	36.00	186.00
L62+00N	47+20E	1.60	13.00	55.00	62.00	31.00	136.00
L62+00N	47+40E	0.40	1.00	2.50	37.00	15.00	102.00
L62+00N	47+60E	0.50	3.00	30.00	44.00	12.00	95.00
L62+00N	47+80E	0.40	2.00	2.50	36.00	10.00	83.00
L62+00N	48+00E	0.90	4.00	120.00	29.00	13.00	86.00
L62+00N	48+20E	0.30	1.00	2.50	12.00	10.00	92.00
L62+00N	49+20E	0.50	9.00	2.50	52.00	23.00	110.00
L62+00N	49+60E	0.40	12.00	10.00	49.00	16.00	82.00
L62+00N	50+00E	0.40	13.00	300.00	15.00	27.00	244.00
L62+00N	50+20E	0.70	1.00	100.00	32.00	42.00	243.00
L62+00N	50+40E	1.10	14.00	170.00	16.00	51.00	400.00
L62+00N	50+60E	3.70	17.00	40.00	22.00	98.00	320.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L62+00N	50+80E	1.40	7.00	35.00	9.00	15.00	160.00
L62+00N	51+00E	0.40	1.00	2.50	5.00	6.00	77.00
L62+00N	51+20E	2.00	16.00	75.00	12.00	24.00	242.00
L62+00N	51+40E	0.20	1.00	20.00	4.00	4.00	57.00
L62+00N	51+60E	0.50	13.00	30.00	7.00	15.00	110.00
L62+00N	51+80E	0.50	13.00	15.00	7.00	9.00	26.00
L62+00N	52+00E	0.70	15.00	45.00	9.00	23.00	90.00
L62+00N	52+40E	0.40	8.00	20.00	10.00	12.00	93.00
L62+00N	52+60E	0.60	3.00	25.00	18.00	17.00	85.00
L62+00N	52+80E	0.10	1.00	30.00	10.00	7.00	65.00
L62+00N	53+00E	0.20	1.00	20.00	7.00	10.00	63.00
L62+00N	53+20E	1.50	25.00	225.00	69.00	20.00	200.00
L62+00N	53+40E	0.40	8.00	2.50	9.00	5.00	77.00
L62+00N	53+60E	1.50	23.00	130.00	76.00	15.00	720.00
L62+00N	53+80E	1.60	76.00	35.00	63.00	23.00	450.00
L62+00N	54+00E	1.10	12.00	45.00	42.00	32.00	510.00
L62+00N	54+20E	0.40	2.00	2.50	12.00	21.00	131.00
L62+00N	54+40E	2.70	24.00	95.00	88.00	95.00	1260.00
L62+00N	54+60E	2.20	18.00	35.00	92.00	121.00	500.00
L62+00N	54+80E	1.30	15.00	710.00	44.00	163.00	364.00
L62+00N	55+00E	0.30	4.00	2.50	34.00	27.00	275.00
L62+00N	55+20E	1.20	14.00	45.00	37.00	22.00	390.00
L62+00N	55+40E	1.00	7.00	2.50	34.00	25.00	180.00
L62+00N	55+60E	1.80	1.00	30.00	31.00	12.00	740.00
L62+00N	55+80E	1.10	32.00	35.00	65.00	18.00	110.00
L62+00N	56+00E	1.00	24.00	45.00	60.00	24.00	123.00
L62+00N	56+40E	0.40	1.00	2.50	77.00	9.00	131.00
L62+00N	57+60E	0.20	1.00	2.50	6.00	12.00	32.00
L62+00N	58+00E	0.30	1.00	20.00	14.00	8.00	156.00
L62+00N	58+40E	0.20	4.00	2.50	51.00	10.00	51.00
L62+00N	58+80E	0.10	2.00	2.50	25.00	8.00	66.00
L62+00N	59+20E	0.10	2.00	15.00	26.00	13.00	74.00
L62+00N	59+60E	0.10	5.00	2.50	45.00	10.00	83.00
L62+00N	60+00E	0.10	1.00	2.50	63.00	9.00	67.00
L62+00N	60+40E	0.20	1.00	2.50	22.00	12.00	65.00
L62+00N	60+80E	0.20	1.00	2.50	30.00	7.00	50.00
L62+00N	61+20E	0.10	2.00	10.00	40.00	9.00	67.00
L62+00N	61+60E	0.20	4.00	30.00	125.00	10.00	71.00
L62+00N	62+00E	0.20	1.00	20.00	46.00	10.00	70.00
L62+00N	62+40E	0.10	1.00	2.50	31.00	6.00	72.00
L62+00N	62+80E	0.10	1.00	2.50	51.00	9.00	98.00
L62+00N	63+20E	0.10	1.00	2.50	20.00	8.00	94.00
L62+00N	63+60E	0.10	1.00	2.50	18.00	7.00	75.00
L62+00N	52+20EA	1.40	31.00	30.00	34.00	40.00	314.00
L62+00N	52+20EB	0.20	22.00	65.00	14.00	20.00	87.00
L62+50N	63+20E	0.10	2.00	2.50	30.00	6.00	70.00
L62+50N	63+60E	0.30	86.00	25.00	37.00	19.00	162.00
L62+50N	64+00E	0.20	1.00	15.00	31.00	10.00	91.00
L62+50N	64+40E	0.20	1.00	2.50	18.00	7.00	65.00
L63+00N	42+00E	0.10	4.00	2.50	35.00	5.00	40.00
L63+00N	42+40E	1.00	2.00	2.50	53.00	33.00	136.00
L63+00N	42+80E	1.20	9.00	85.00	65.00	33.00	142.00
L63+00N	43+20E	0.10	1.00	2.50	19.00	2.00	22.00
L63+00N	43+60E	0.10	1.00	2.50	47.00	7.00	52.00
L63+00N	44+00E	0.50	1.00	2.50	12.00	7.00	30.00
L63+00N	44+40E	0.10	1.00	2.50	31.00	13.00	63.00
L63+00N	44+80E	0.60	3.00	2.50	88.00	34.00	181.00
L63+00N	45+00E	0.50	4.00	150.00	51.00	30.00	133.00
L63+00N	45+20E	0.20	1.00	40.00	46.00	27.00	119.00
L63+00N	45+40E	0.80	1.00	2.50	36.00	20.00	104.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L63+00N	45+60E	0.50	1.00	10.00	40.00	14.00	102.00
L63+00N	45+80E	0.20	1.00	2.50	20.00	25.00	133.00
L63+00N	46+00E	0.30	1.00	25.00	40.00	23.00	93.00
L63+00N	46+20E	0.10	1.00	2.50	29.00	10.00	85.00
L63+00N	46+40E	0.70	2.00	15.00	55.00	16.00	102.00
L63+00N	46+60E	0.70	1.00	2.50	30.00	16.00	106.00
L63+00N	46+80E	0.30	3.00	2.50	32.00	14.00	66.00
L63+00N	47+20E	0.80	1.00	10.00	63.00	19.00	102.00
L63+00N	47+60E	0.60	1.00	2.50	20.00	12.00	52.00
L63+00N	47+80E	0.50	2.00	2.50	28.00	14.00	83.00
L63+00N	48+00E	1.00	6.00	140.00	58.00	80.00	203.00
L63+00N	48+40E	0.40	1.00	40.00	50.00	18.00	70.00
L63+00N	48+60E	0.40	10.00	60.00	40.00	18.00	73.00
L63+00N	48+80E	0.80	2.00	20.00	60.00	32.00	73.00
L63+00N	49+00E	0.50	8.00	170.00	15.00	26.00	98.00
L63+00N	49+20E	0.30	1.00	2.50	9.00	13.00	165.00
L63+00N	49+60E	2.60	1.00	125.00	87.00	160.00	520.00
L63+00N	50+00E	0.50	5.00	20.00	30.00	22.00	197.00
L63+00N	50+40E	0.40	16.00	165.00	82.00	32.00	140.00
L63+00N	50+60E	0.30	5.00	30.00	10.00	13.00	39.00
L63+00N	50+80E	0.70	4.00	45.00	20.00	14.00	102.00
L63+00N	51+00E	0.40	1.00	25.00	9.00	15.00	109.00
L63+00N	51+20E	0.40	1.00	2.50	13.00	14.00	68.00
L63+00N	51+40E	0.40	4.00	360.00	7.00	37.00	150.00
L63+00N	51+60E	0.40	1.00	10.00	19.00	15.00	88.00
L63+00N	51+80E	0.20	1.00	45.00	6.00	12.00	68.00
L63+00N	52+00E	1100.00	58.00	75.00	61.00	115.00	246.00
L63+00N	52+20E	3.60	48.00	380.00	123.00	40.00	133.00
L63+00N	52+40E	3.00	53.00	790.00	158.00	52.00	192.00
L63+00N	52+60E	0.60	31.00	115.00	6.00	31.00	86.00
L63+00N	52+80E	2.30	85.00	140.00	227.00	47.00	1020.00
L63+00N	53+00E	2.50	12.00	80.00	55.00	121.00	333.00
L63+00N	53+20E	0.80	10.00	600.00	43.00	83.00	600.00
L63+00N	53+40E	4.80	46.00	500.00	116.00	175.00	550.00
L63+00N	53+60E	1.80	36.00	270.00	253.00	41.00	570.00
L63+00N	53+80E	1.00	1.00	50.00	12.00	27.00	362.00
L63+00N	54+00E	1.20	5.00	515.00	30.00	54.00	400.00
L63+00N	54+20E	3.50	10.00	435.00	60.00	126.00	660.00
L63+00N	54+40E	2.70	78.00	330.00	70.00	76.00	396.00
L63+00N	54+60E	0.50	26.00	60.00	29.00	39.00	307.00
L63+00N	54+80E	0.70	10.00	235.00	50.00	60.00	135.00
L63+00N	55+00E	0.20	1.00	110.00	3.00	9.00	47.00
L63+00N	55+20E	1.10	2.00	35.00	28.00	35.00	1040.00
L63+00N	55+40E	0.60	46.00	85.00	46.00	250.00	305.00
L63+00N	55+60E	0.90	49.00	75.00	146.00	70.00	362.00
L63+00N	55+80E	0.30	6.00	40.00	17.00	13.00	123.00
L63+00N	56+00E	0.20	3.00	2.50	25.00	9.00	197.00
L63+00N	56+20E	0.60	5.00	20.00	33.00	12.00	292.00
L63+00N	56+40E	0.20	2.00	25.00	143.00	11.00	280.00
L63+00N	56+80E	1.50	80.00	30.00	75.00	31.00	130.00
L63+00N	58+00E	0.10	1.00	15.00	21.00	9.00	38.00
L63+00N	59+20E	0.10	4.00	20.00	35.00	8.00	46.00
L63+00N	59+60E	0.10	8.00	25.00	27.00	9.00	58.00
L63+00N	60+00E	0.40	12.00	15.00	28.00	10.00	82.00
L63+00N	60+40E	0.70	4.00	25.00	25.00	14.00	60.00
L63+00N	60+80E	0.30	10.00	10.00	39.00	9.00	113.00
L63+00N	61+20E	0.10	2.00	10.00	20.00	9.00	51.00
L63+00N	61+60E	0.20	1.00	2.50	27.00	6.00	60.00
L63+00N	62+00E	0.10	3.00	2.50	73.00	8.00	50.00
L63+00N	62+40E	0.10	1.00	2.50	24.00	10.00	60.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L63+00N	62+80E	0.20	1.00	2.50	35.00	12.00	77.00
L63+00N	63+20E	0.10	1.00	2.50	30.00	8.00	87.00
L63+00N	63+60E	0.10	1.00	20.00	17.00	9.00	110.00
L63+00N	64+00E	0.10	3.00	20.00	16.00	7.00	110.00
L63+00N	64+40E	0.10	1.00	2.50	14.00	9.00	122.00
L63+00N	64+80E	0.10	1.00	2.50	25.00	8.00	72.00
L63+10N	44+00E	0.40	1.00	2.50	10.00	9.00	30.00
L63+90N	63+20E	0.10	1.00	10.00	27.00	8.00	63.00
L63+90N	64+00E	0.10	17.00	20.00	196.00	14.00	154.00
L63+90N	64+80E	0.30	1.00	20.00	35.00	11.00	103.00
L63+90N	65+20E	0.10	1.00	15.00	22.00	8.00	65.00
L63+90N	65+60E	0.10	1.00	2.50	33.00	7.00	55.00
L64+00N	39+20E	0.10	1.00	2.50	60.00	7.00	46.00
L64+00N	39+60E	0.10	1.00	2.50	66.00	7.00	40.00
L64+00N	40+00E	0.10	1.00	2.50	17.00	5.00	27.00
L64+00N	40+40E	0.20	1.00	10.00	8.00	8.00	21.00
L64+00N	40+80E	0.20	1.00	25.00	30.00	10.00	54.00
L64+00N	41+20E	0.20	1.00	2.50	32.00	11.00	43.00
L64+00N	41+70E	0.30	1.00	2.50	71.00	49.00	77.00
L64+00N	42+00E	0.40	1.00	80.00	84.00	142.00	140.00
L64+00N	42+40E	0.20	1.00	50.00	50.00	17.00	76.00
L64+00N	42+80E	0.20	14.00	25.00	21.00	14.00	70.00
L64+00N	43+00E	0.20	3.00	10.00	10.00	11.00	45.00
L64+00N	43+20E	0.40	6.00	10.00	17.00	20.00	80.00
L64+00N	43+60E	0.70	1.00	10.00	86.00	71.00	140.00
L64+00N	44+00E	1.00	1.00	20.00	45.00	37.00	113.00
L64+00N	44+40E	0.40	1.00	10.00	15.00	19.00	58.00
L64+00N	44+80E	0.90	1.00	2.50	52.00	27.00	152.00
L64+00N	45+20E	1.40	1.00	30.00	39.00	25.00	107.00
L64+00N	45+40E	0.40	1.00	25.00	15.00	9.00	51.00
L64+00N	45+60E	0.90	1.00	10.00	10.00	10.00	55.00
L64+00N	46+00E	0.50	1.00	2.50	10.00	6.00	24.00
L64+00N	46+40E	0.70	2.00	15.00	14.00	9.00	37.00
L64+00N	46+60E	0.60	7.00	25.00	42.00	19.00	104.00
L64+00N	46+80E	0.70	1.00	60.00	55.00	23.00	137.00
L64+00N	47+00E	0.60	8.00	30.00	58.00	21.00	127.00
L64+00N	47+20E	0.60	1.00	25.00	16.00	12.00	63.00
L64+00N	47+40E	0.70	1.00	25.00	51.00	20.00	86.00
L64+00N	47+60E	1.10	1.00	110.00	58.00	27.00	117.00
L64+00N	47+80E	1.00	4.00	30.00	47.00	20.00	77.00
L64+00N	48+00E	0.40	1.00	10.00	16.00	10.00	85.00
L64+00N	48+40E	0.40	1.00	2.50	40.00	17.00	56.00
L64+00N	48+80E	0.80	1.00	2.50	10.00	10.00	41.00
L64+00N	49+00E	0.90	3.00	45.00	38.00	21.00	67.00
L64+00N	49+20E	0.90	3.00	85.00	27.00	54.00	85.00
L64+00N	49+40E	0.40	1.00	65.00	20.00	16.00	52.00
L64+00N	49+60E	0.30	6.00	20.00	8.00	20.00	76.00
L64+00N	49+80E	1.60	14.00	60.00	20.00	18.00	103.00
L64+00N	50+20E	13000.00	140.00	700.00	86.00	2000.00	2030.00
L64+00N	50+40E	0.70	1.00	0.00	7.00	32.00	70.00
L64+00N	50+80E	1200.00	56.00	540.00	48.00	255.00	550.00
L64+00N	51+00E	3.30	23.00	70.00	36.00	68.00	160.00
L64+00N	51+20E	1.30	4.00	30.00	16.00	24.00	148.00
L64+00N	51+40E	1.20	7.00	650.00	20.00	57.00	102.00
L64+00N	51+60E	0.50	1.00	50.00	7.00	12.00	53.00
L64+00N	51+80E	0.30	2.00	10.00	4.00	8.00	72.00
L64+00N	52+40E	1.00	1.00	2.50	5.00	14.00	60.00
L64+00N	52+80E	0.20	3.00	45.00	4.00	6.00	35.00
L64+00N	53+20E	0.90	9.00	30.00	12.00	17.00	210.00
L64+00N	53+40E	0.10	3.00	2.50	8.00	8.00	34.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L64+00N	53+60E	1.10	67.00	185.00	9.00	47.00	85.00
L64+00N	53+80E	1.30	56.00	285.00	61.00	67.00	304.00
L64+00N	54+00E	0.70	8.00	25.00	13.00	10.00	57.00
L64+00N	54+20E	0.30	42.00	175.00	40.00	60.00	362.00
L64+00N	54+40E	0.50	5.00	65.00	40.00	25.00	350.00
L64+00N	54+80E	0.20	1.00	2.50	13.00	43.00	92.00
L64+00N	55+20E	0.50	35.00	2.50	23.00	10.00	172.00
L64+00N	55+40E	0.50	10.00	2.50	24.00	20.00	243.00
L64+00N	55+60E	0.20	38.00	40.00	7.00	11.00	84.00
L64+00N	55+80E	0.30	2.00	50.00	13.00	15.00	118.00
L64+00N	56+00E	0.10	1.00	2.50	7.00	49.00	67.00
L64+00N	56+40E	0.40	4.00	2.50	17.00	14.00	700.00
L64+00N	56+80E	0.60	1.00	0.00	54.00	7.00	800.00
L64+00N	57+20E	0.30	1.00	2.50	37.00	11.00	780.00
L64+00N	57+60E	0.20	64.00	2.50	24.00	12.00	194.00
L64+00N	58+00E	0.10	3.00	2.50	107.00	7.00	116.00
L64+00N	58+40E	0.10	3.00	10.00	105.00	11.00	171.00
L64+00N	58+80E	0.20	1.00	2.50	81.00	11.00	74.00
L64+00N	59+60E	0.10	1.00	2.50	35.00	6.00	42.00
L64+00N	60+00E	0.10	1.00	50.00	27.00	10.00	50.00
L64+00N	60+40E	0.10	1.00	2.50	24.00	7.00	62.00
L64+00N	60+80E	0.40	10.00	2.50	16.00	9.00	58.00
L64+00N	61+20E	0.10	1.00	2.50	60.00	6.00	50.00
L64+00N	61+60E	0.60	1.00	2.50	80.00	23.00	220.00
L64+00N	62+00E	0.20	1.00	2.50	74.00	8.00	74.00
L64+00N	62+40E	0.30	3.00	2.50	20.00	8.00	115.00
L64+00N	62+80E	0.30	3.00	2.50	51.00	9.00	164.00
L64+00N	63+20E	0.10	1.00	2.50	34.00	8.00	104.00
L64+00N	63+60E	0.10	29.00	2.50	810.00	14.00	116.00
L64+00N	64+00E	0.90	1.00	2.50	66.00	8.00	142.00
L64+00N	64+40E	0.10	1.00	2.50	17.00	8.00	64.00
L64+00N	64+80E	0.10	1.00	2.50	40.00	9.00	62.00
L64+10N	49+20E	0.70	5.00	2.50	24.00	45.00	81.00
L64+40N	64+00E	0.20	7.00	2.50	44.00	9.00	115.00
L64+40N	64+80E	5.00	3.00	2.50	49.00	18.00	900.00
L64+40N	65+20E	0.10	1.00	2.50	21.00	8.00	108.00
L64+40N	65+60E	0.10	1.00	2.50	23.00	9.00	58.00
L65+00N	41+20E	0.80	1.00	30.00	26.00	15.00	100.00
L65+00N	41+60E	0.70	3.00	15.00	17.00	13.00	49.00
L65+00N	42+00E	0.70	1.00	260.00	55.00	40.00	109.00
L65+00N	42+20E	1.60	1.00	40.00	25.00	20.00	63.00
L65+00N	42+40E	0.70	1.00	2.50	45.00	27.00	81.00
L65+00N	42+60E	0.20	4.00	45.00	16.00	9.00	35.00
L65+00N	42+80E	3.20	72.00	25.00	65.00	28.00	140.00
L65+00N	43+00E	3.10	19.00	40.00	44.00	73.00	770.00
L65+00N	43+20E	0.30	1.00	2.50	9.00	15.00	36.00
L65+00N	43+40E	0.10	1.00	40.00	12.00	17.00	40.00
L65+00N	43+60E	0.40	1.00	20.00	25.00	25.00	55.00
L65+00N	44+00E	0.60	1.00	40.00	117.00	194.00	152.00
L65+00N	44+20E	0.60	4.00	60.00	40.00	30.00	160.00
L65+00N	44+40E	2.20	1.00	2.50	37.00	35.00	115.00
L65+00N	44+60E	0.40	1.00	35.00	44.00	27.00	86.00
L65+00N	44+80E	0.60	1.00	80.00	23.00	26.00	66.00
L65+00N	45+00E	0.40	1.00	15.00	11.00	9.00	41.00
L65+00N	45+20E	0.60	1.00	15.00	52.00	36.00	74.00
L65+00N	45+40E	0.10	1.00	25.00	18.00	12.00	50.00
L65+00N	45+60E	0.40	4.00	20.00	35.00	16.00	114.00
L65+00N	46+00E	1.00	1.00	44.00	35.00	19.00	94.00
L65+00N	46+20E	0.30	3.00	25.00	12.00	8.00	34.00
L65+00N	46+40E	0.80	2.00	40.00	39.00	17.00	90.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L65+00N	46+60E	0.10	1.00	75.00	10.00	7.00	31.00
L65+00N	46+80E	1.20	1.00	35.00	70.00	19.00	82.00
L65+00N	47+00E	0.20	4.00	45.00	17.00	12.00	52.00
L65+00N	47+20E	0.80	1.00	10.00	17.00	23.00	118.00
L65+00N	47+40E	0.40	1.00	30.00	12.00	13.00	63.00
L65+00N	47+60E	0.60	2.00	25.00	13.00	11.00	60.00
L65+00N	47+80E	0.90	4.00	35.00	40.00	18.00	81.00
L65+00N	48+00E	0.50	1.00	25.00	16.00	8.00	54.00
L65+00N	48+20E	0.20	1.00	30.00	11.00	11.00	39.00
L65+00N	48+40E	1.20	1.00	60.00	36.00	32.00	152.00
L65+00N	48+60E	0.50	1.00	45.00	58.00	11.00	87.00
L65+00N	48+80E	0.80	3.00	25.00	21.00	15.00	99.00
L65+00N	49+40E	0.70	24.00	50.00	38.00	27.00	85.00
L65+00N	49+60E	0.90	6.00	60.00	64.00	18.00	112.00
L65+00N	49+80E	0.80	7.00	45.00	13.00	33.00	205.00
L65+00N	50+00E	1.60	22.00	20.00	30.00	50.00	110.00
L65+00N	50+20E	0.70	7.00	60.00	35.00	113.00	180.00
L65+00N	50+40E	0.50	10.00	45.00	16.00	68.00	120.00
L65+00N	50+60E	0.30	6.00	40.00	9.00	12.00	66.00
L65+00N	50+80E	0.10	4.00	2.50	12.00	16.00	75.00
L65+00N	51+00E	0.50	1.00	45.00	13.00	12.00	60.00
L65+00N	51+20E	1.10	3.00	200.00	9.00	32.00	134.00
L65+00N	51+40E	0.50	6.00	50.00	9.00	31.00	52.00
L65+00N	51+60E	0.60	1.00	165.00	28.00	30.00	80.00
L65+00N	51+80E	0.60	3.00	30.00	10.00	15.00	120.00
L65+00N	52+00E	0.50	1.00	40.00	10.00	20.00	73.00
L65+00N	52+20E	0.20	6.00	50.00	7.00	25.00	75.00
L65+00N	52+40E	0.40	6.00	15.00	20.00	1.00	200.00
L65+00N	52+60E	0.30	3.00	50.00	14.00	18.00	91.00
L65+00N	52+80E	0.20	1.00	20.00	5.00	9.00	38.00
L65+00N	53+00E	0.20	1.00	140.00	5.00	7.00	25.00
L65+00N	53+20E	0.30	8.00	140.00	51.00	48.00	344.00
L65+00N	53+40E	0.20	6.00	25.00	24.00	20.00	77.00
L65+00N	53+60E	0.50	21.00	25.00	72.00	18.00	338.00
L65+00N	53+80E	0.10	6.00	25.00	9.00	13.00	68.00
L65+00N	54+00E	1.60	43.00	125.00	100.00	49.00	550.00
L65+00N	54+00E	2.00	20.00	2.50	54.00	20.00	620.00
L65+00N	54+20E	1.10	23.00	80.00	40.00	28.00	318.00
L65+00N	54+60E	0.70	15.00	60.00	7.00	13.00	73.00
L65+00N	54+80E	1.20	1.00	35.00	68.00	10.00	266.00
L65+00N	55+00E	2.20	8.00	25.00	36.00	31.00	130.00
L65+00N	55+60E	0.20	2.00	20.00	6.00	9.00	31.00
L65+00N	56+00E	0.40	1.00	30.00	74.00	13.00	2320.00
L65+00N	56+40E	0.10	8.00	2.50	12.00	10.00	61.00
L65+00N	56+80E	0.10	1.00	2.50	11.00	9.00	110.00
L65+00N	57+20E	0.10	1.00	2.50	108.00	6.00	11330.00
L65+00N	57+60E	0.10	1.00	2.50	95.00	9.00	243.00
L65+00N	58+00E	1.30	12.00	2.50	86.00	7.00	132.00
L65+00N	58+40E	1.30	9.00	2.50	106.00	8.00	123.00
L65+00N	58+80E	0.20	1.00	2.50	40.00	5.00	130.00
L65+00N	59+20E	0.10	7.00	2.50	158.00	7.00	133.00
L65+00N	59+60E	0.20	1.00	2.50	52.00	6.00	182.00
L65+00N	60+00E	0.60	3.00	2.50	30.00	16.00	140.00
L65+00N	60+40E	0.20	2.00	2.50	24.00	10.00	95.00
L65+00N	60+80E	0.30	1.00	2.50	17.00	9.00	60.00
L65+00N	61+20E	0.20	1.00	2.50	25.00	9.00	76.00
L65+00N	61+60E	0.20	2.00	2.50	43.00	9.00	70.00
L65+00N	62+00E	0.50	14.00	2.50	53.00	15.00	94.00
L65+00N	62+40E	0.10	1.00	2.50	47.00	8.00	56.00
L65+00N	62+80E	0.60	2.00	2.50	24.00	11.00	96.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L65+00N	63+20E	0.10	1.00	2.50	31.00	9.00	68.00
L65+00N	63+60E	0.10	5.00	2.50	19.00	8.00	63.00
L65+00N	64+00E	0.10	1.00	2.50	31.00	7.00	107.00
L65+00N	64+40E	0.10	11.00	2.50	37.00	12.00	181.00
L65+00N	64+80E	0.20	2.00	2.50	17.00	21.00	122.00
L65+40N	64+40E	0.10	5.00	2.50	40.00	10.00	125.00
L65+40N	65+20E	0.10	1.00	10.00	27.00	9.00	75.00
L65+40N	65+60E	0.10	2.00	2.50	29.00	7.00	88.00
L66+00N	34+80E	0.30	1.00	2.50	14.00	8.00	26.00
L66+00N	35+20E	0.80	1.00	2.50	24.00	6.00	28.00
L66+00N	35+60E	1.00	3.00	2.50	33.00	11.00	39.00
L66+00N	36+00E	0.30	1.00	2.50	43.00	6.00	48.00
L66+00N	36+40E	0.30	1.00	2.50	26.00	12.00	30.00
L66+00N	36+80E	0.10	1.00	2.50	2.00	5.00	17.00
L66+00N	37+20E	0.10	1.00	15.00	5.00	6.00	12.00
L66+00N	37+60E	0.10	1.00	35.00	34.00	10.00	34.00
L66+00N	38+00E	0.10	1.00	20.00	6.00	4.00	15.00
L66+00N	38+40E	0.30	1.00	25.00	21.00	10.00	28.00
L66+00N	38+80E	0.10	1.00	10.00	15.00	7.00	34.00
L66+00N	39+00E	0.10	1.00	20.00	29.00	5.00	40.00
L66+00N	39+20E	0.20	1.00	25.00	16.00	8.00	60.00
L66+00N	39+40E	0.10	1.00	10.00	9.00	5.00	24.00
L66+00N	39+60E	0.50	1.00	40.00	86.00	85.00	87.00
L66+00N	39+80E	0.10	1.00	15.00	8.00	5.00	35.00
L66+00N	40+00E	0.70	1.00	2.50	46.00	9.00	290.00
L66+00N	40+20E	0.20	2.00	20.00	60.00	9.00	74.00
L66+00N	40+40E	0.30	1.00	30.00	40.00	12.00	64.00
L66+00N	40+60E	0.10	1.00	35.00	66.00	11.00	71.00
L66+00N	40+80E	0.40	2.00	25.00	51.00	12.00	90.00
L66+00N	41+00E	0.30	3.00	25.00	86.00	16.00	112.00
L66+00N	41+20E	0.50	1.00	2.50	79.00	20.00	189.00
L66+00N	41+40E	0.10	1.00	40.00	70.00	17.00	100.00
L66+00N	41+60E	1.20	4.00	75.00	252.00	80.00	407.00
L66+00N	41+80E	0.40	4.00	25.00	85.00	20.00	188.00
L66+00N	42+00E	0.40	1.00	40.00	95.00	26.00	113.00
L66+00N	42+20E	0.20	2.00	50.00	78.00	23.00	117.00
L66+00N	42+40E	0.40	1.00	35.00	56.00	30.00	106.00
L66+00N	42+60E	0.30	1.00	60.00	30.00	24.00	77.00
L66+00N	42+80E	1.20	1.00	230.00	133.00	315.00	230.00
L66+00N	43+20E	0.40	1.00	20.00	16.00	15.00	52.00
L66+00N	43+40E	6.00	28.00	100.00	28.00	26.00	74.00
L66+00N	43+60E	0.50	1.00	5.00	23.00	16.00	72.00
L66+00N	43+80E	0.30	1.00	30.00	15.00	22.00	46.00
L66+00N	44+00E	0.60	1.00	25.00	47.00	32.00	64.00
L66+00N	44+20E	0.50	1.00	30.00	22.00	23.00	98.00
L66+00N	44+40E	0.50	1.00	20.00	25.00	34.00	100.00
L66+00N	44+60E	0.40	1.00	30.00	52.00	27.00	87.00
L66+00N	44+80E	0.40	1.00	20.00	31.00	25.00	80.00
L66+00N	45+00E	1.20	1.00	25.00	51.00	35.00	108.00
L66+00N	45+20E	0.50	1.00	10.00	16.00	13.00	65.00
L66+00N	45+60E	0.70	1.00	2.50	16.00	23.00	41.00
L66+00N	46+00E	0.70	1.00	10.00	23.00	6.00	62.00
L66+00N	46+40E	1.20	2.00	10.00	20.00	16.00	55.00
L66+00N	46+80E	0.60	1.00	2.50	25.00	10.00	56.00
L66+00N	47+60E	0.60	6.00	2.50	19.00	20.00	67.00
L66+00N	48+00E	1.70	2.00	2.50	17.00	18.00	207.00
L66+00N	48+20E	0.20	8.00	340.00	12.00	22.00	67.00
L66+00N	48+40E	0.70	9.00	1010.00	30.00	22.00	124.00
L66+00N	48+60E	0.70	4.00	25.00	33.00	23.00	58.00
L66+00N	48+80E	0.30	1.00	30.00	23.00	11.00	63.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L66+00N	49+00E	0.50	4.00	25.00	40.00	22.00	58.00
L66+00N	49+20E	1.40	8.00	20.00	59.00	42.00	54.00
L66+00N	49+40E	0.20	1.00	20.00	16.00	17.00	46.00
L66+00N	49+60E	0.30	1.00	2.50	30.00	12.00	33.00
L66+00N	49+80E	0.40	13.00	30.00	28.00	20.00	48.00
L66+00N	50+00E	0.80	4.00	15.00	21.00	23.00	72.00
L66+00N	50+00E	3.70	8.00	50.00	20.00	26.00	77.00
L66+00N	50+20E	0.50	12.00	30.00	32.00	26.00	72.00
L66+00N	50+40E	1.70	25.00	20.00	46.00	56.00	130.00
L66+00N	50+60E	1.70	49.00	45.00	33.00	70.00	148.00
L66+00N	50+80E	0.30	26.00	65.00	8.00	32.00	80.00
L66+00N	51+20E	1700.00	97.00	305.00	16.00	56.00	450.00
L66+00N	51+40E	0.30	34.00	75.00	5.00	16.00	54.00
L66+00N	51+60E	0.90	44.00	135.00	9.00	21.00	108.00
L66+00N	51+80E	1.10	33.00	40.00	43.00	25.00	91.00
L66+00N	52+00E	0.10	1.00	10.00	12.00	6.00	128.00
L66+00N	52+20E	0.30	11.00	60.00	43.00	26.00	95.00
L66+00N	52+40E	0.20	2.00	2.50	19.00	5.00	122.00
L66+00N	52+60E	0.10	3.00	95.00	10.00	16.00	74.00
L66+00N	52+80E	0.40	24.00	2.50	22.00	6.00	132.00
L66+00N	53+00E	0.30	2.00	50.00	15.00	12.00	88.00
L66+00N	53+20E	0.40	81.00	2.50	19.00	32.00	234.00
L66+00N	53+60E	0.10	11.00	2.50	9.00	18.00	40.00
L66+00N	54+00E	0.30	107.00	35.00	30.00	13.00	210.00
L66+00N	54+20E	1.20	60.00	75.00	56.00	23.00	218.00
L66+00N	54+40E	0.10	7.00	2.50	17.00	8.00	100.00
L66+00N	54+60E	1.90	5.00	100.00	50.00	51.00	313.00
L66+00N	55+20E	0.10	3.00	2.50	13.00	14.00	48.00
L66+00N	55+40E	0.30	5.00	40.00	22.00	13.00	61.00
L66+00N	55+60E	0.10	17.00	140.00	38.00	16.00	110.00
L66+00N	56+40E	0.10	2.00	2.50	26.00	11.00	93.00
L66+00N	56+80E	0.10	1.00	2.50	15.00	120.00	186.00
L66+00N	57+20E	0.10	1.00	40.00	14.00	20.00	168.00
L66+00N	57+60E	0.10	1.00	2.50	21.00	10.00	90.00
L66+00N	58+00E	0.10	2.00	2.50	31.00	28.00	362.00
L66+00N	58+40E	0.10	1.00	2.50	14.00	8.00	141.00
L66+00N	58+80E	0.10	1.00	2.50	55.00	8.00	155.00
L66+00N	59+20E	0.20	4.00	2.50	35.00	12.00	141.00
L66+00N	59+60E	0.10	1.00	2.50	29.00	7.00	95.00
L66+00N	60+00E	0.20	1.00	2.50	38.00	7.00	73.00
L66+00N	60+40E	0.10	1.00	2.50	146.00	6.00	78.00
L66+00N	60+80E	0.10	1.00	2.50	55.00	9.00	92.00
L66+00N	61+20E	0.30	1.00	25.00	26.00	13.00	260.00
L66+00N	61+60E	0.10	1.00	2.50	28.00	8.00	52.00
L66+00N	62+00E	0.10	1.00	2.50	22.00	10.00	45.00
L66+00N	62+40E	0.10	1.00	2.50	21.00	10.00	52.00
L66+00N	62+80E	0.30	1.00	2.50	26.00	15.00	273.00
L66+00N	63+20E	0.20	1.00	2.50	46.00	14.00	80.00
L66+00N	63+60E	0.10	3.00	2.50	28.00	14.00	60.00
L66+00N	64+00E	0.10	1.00	2.50	13.00	11.00	50.00
L66+00N	64+40E	0.10	1.00	2.50	33.00	10.00	77.00
L66+00N	64+80E	0.10	1.00	2.50	33.00	10.00	85.00
L66+10N	41+60E	1.00	4.00	40.00	283.00	85.00	420.00
L67+00N	35+20E	0.40	1.00	10.00	21.00	6.00	22.00
L67+00N	35+60E	0.20	2.00	10.00	34.00	9.00	47.00
L67+00N	36+00E	0.20	2.00	10.00	51.00	6.00	35.00
L67+00N	36+40E	0.10	2.00	10.00	10.00	6.00	51.00
L67+00N	37+60E	0.20	1.00	10.00	17.00	8.00	22.00
L67+00N	38+00E	0.50	3.00	2.50	151.00	9.00	82.00
L67+00N	38+40E	0.10	1.00	2.50	15.00	6.00	26.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L67+00N	38+80E	0.10	1.00	2.50	12.00	7.00	34.00
L67+00N	39+20E	0.20	8.00	2.50	38.00	9.00	50.00
L67+00N	39+40E	0.20	1.00	2.50	33.00	9.00	46.00
L67+00N	39+60E	0.10	1.00	2.50	46.00	9.00	43.00
L67+00N	40+00E	0.40	2.00	2.50	25.00	9.00	37.00
L67+00N	40+40E	0.50	1.00	2.50	38.00	10.00	50.00
L67+00N	40+80E	0.30	2.00	2.50	30.00	14.00	71.00
L67+00N	41+20E	0.30	1.00	2.50	17.00	16.00	47.00
L67+00N	41+60E	0.70	3.00	2.50	35.00	74.00	172.00
L67+00N	42+00E	0.30	5.00	2.50	22.00	12.00	98.00
L67+00N	42+40E	0.30	2.00	10.00	47.00	13.00	66.00
L67+00N	43+60E	0.40	3.00	15.00	21.00	15.00	85.00
L67+00N	44+80E	1.40	1.00	15.00	62.00	42.00	100.00
L67+00N	45+20E	0.50	1.00	10.00	37.00	20.00	76.00
L67+00N	45+60E	1.10	1.00	2.50	46.00	27.00	77.00
L67+00N	46+00E	2.20	7.00	2.50	31.00	37.00	86.00
L67+00N	46+40E	0.30	2.00	2.50	16.00	9.00	73.00
L67+00N	46+80E	0.10	1.00	2.50	26.00	6.00	42.00
L67+00N	47+60E	0.60	2.00	2.50	20.00	7.00	56.00
L67+00N	48+00E	2.00	41.00	2.50	61.00	33.00	165.00
L67+00N	48+80E	0.40	9.00	2.50	24.00	18.00	49.00
L67+00N	49+20E	1.00	25.00	2.50	40.00	17.00	66.00
L67+00N	49+60E	4.00	4200.00	4400.00	107.00	277.00	324.00
L67+00N	50+00E	0.20	6.00	2.50	19.00	17.00	54.00
L67+00N	50+40E	0.30	2.00	2.50	54.00	20.00	133.00
L67+00N	50+60E	1.30	13.00	15.00	24.00	19.00	88.00
L67+00N	50+80E	0.80	4.00	55.00	17.00	26.00	107.00
L67+00N	51+00E	0.40	3.00	25.00	29.00	24.00	95.00
L67+00N	51+20E	0.80	36.00	30.00	38.00	30.00	197.00
L67+00N	51+40E	0.30	6.00	2.50	5.00	8.00	44.00
L67+00N	51+60E	0.30	17.00	20.00	17.00	12.00	64.00
L67+00N	51+80E	0.10	3.00	5.00	8.00	6.00	60.00
L67+00N	52+00E	2.70	104.00	2.50	30.00	105.00	266.00
L67+00N	52+40E	0.80	10.00	2.50	32.00	21.00	74.00
L67+00N	52+80E	0.10	3.00	2.50	11.00	37.00	290.00
L67+00N	53+20E	0.30	1.00	2.50	16.00	11.00	76.00
L67+00N	54+00E	1.70	7.00	2.50	34.00	16.00	167.00
L67+00N	54+40E	0.20	7.00	2.50	26.00	11.00	84.00
L67+00N	54+80E	0.10	3.00	2.50	40.00	10.00	60.00
L67+00N	55+20E	0.10	1.00	2.50	13.00	11.00	100.00
L67+00N	55+60E	0.20	1.00	2.50	27.00	20.00	108.00
L67+00N	56+00E	0.40	3.00	2.50	23.00	58.00	560.00
L67+00N	56+40E	0.10	1.00	2.50	30.00	11.00	187.00
L67+00N	56+80E	0.30	1.00	2.50	35.00	22.00	308.00
L67+00N	58+00E	0.20	1.00	2.50	64.00	6.00	95.00
L67+00N	58+40E	0.30	1.00	2.50	8.00	8.00	37.00
L67+00N	59+20E	0.10	1.00	2.50	7.00	9.00	45.00
L67+00N	59+60E	0.30	1.00	2.50	42.00	6.00	98.00
L67+00N	60+00E	0.10	1.00	20.00	60.00	12.00	66.00
L67+00N	60+40E	0.20	1.00	2.50	17.00	11.00	294.00
L67+00N	60+80E	0.10	1.00	2.50	25.00	7.00	52.00
L67+00N	61+20E	0.10	1.00	2.50	42.00	5.00	27.00
L67+00N	61+60E	0.10	1.00	2.50	40.00	11.00	54.00
L67+00N	62+00E	0.10	1.00	2.50	26.00	9.00	75.00
L67+00N	62+40E	0.20	1.00	2.50	18.00	13.00	100.00
L67+00N	62+80E	0.50	1.00	2.50	34.00	9.00	86.00
L67+00N	63+20E	0.10	1.00	2.50	30.00	8.00	100.00
L67+00N	63+60E	0.10	9.00	2.50	26.00	9.00	98.00
L67+00N	64+00E	0.10	1.00	2.50	9.00	7.00	47.00
L68+00N	36+00E	0.30	3.00	2.50	21.00	6.00	44.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L68+00N	36+80E	0.10	2.00	2.50	15.00	5.00	25.00
L68+00N	37+20E	0.30	1.00	2.50	23.00	6.00	37.00
L68+00N	37+60E	0.10	1.00	2.50	18.00	7.00	32.00
L68+00N	38+00E	0.10	2.00	2.50	24.00	5.00	41.00
L68+00N	38+40E	0.30	1.00	2.50	28.00	5.00	54.00
L68+00N	38+80E	0.90	1.00	2.50	75.00	7.00	113.00
L68+00N	39+20E	0.50	1.00	2.50	35.00	7.00	67.00
L68+00N	39+60E	0.30	3.00	2.50	22.00	8.00	45.00
L68+00N	40+00E	0.20	1.00	2.50	19.00	6.00	58.00
L68+00N	40+40E	0.10	1.00	2.50	4.00	5.00	29.00
L68+00N	40+80E	0.40	4.00	2.50	18.00	6.00	32.00
L68+00N	41+20E	0.10	1.00	2.50	18.00	8.00	64.00
L68+00N	41+60E	0.20	3.00	2.50	50.00	13.00	80.00
L68+00N	42+00E	0.30	3.00	2.50	22.00	13.00	50.00
L68+00N	42+40E	0.30	2.00	2.50	27.00	13.00	70.00
L68+00N	42+80E	0.30	3.00	2.50	21.00	15.00	63.00
L68+00N	44+00E	0.20	1.00	2.50	35.00	16.00	84.00
L68+00N	44+40E	0.40	1.00	2.50	24.00	8.00	55.00
L68+00N	44+80E	0.40	1.00	2.50	20.00	24.00	72.00
L68+00N	45+20E	1.70	1.00	2.50	34.00	25.00	104.00
L68+00N	45+60E	1.60	1.00	2.50	56.00	36.00	140.00
L68+00N	46+00E	0.30	1.00	2.50	46.00	46.00	113.00
L68+00N	46+40E	0.60	21.00	2.50	22.00	11.00	135.00
L68+00N	46+80E	0.30	7.00	2.50	30.00	5.00	54.00
L68+00N	47+20E	0.30	1.00	2.50	33.00	11.00	55.00
L68+00N	47+60E	0.10	5.00	2.50	9.00	13.00	47.00
L68+00N	48+00E	0.10	2.00	2.50	16.00	8.00	45.00
L68+00N	48+40E	0.30	6.00	2.50	3.00	3.00	22.00
L68+00N	48+80E	1.50	73.00	2.50	19.00	8.00	98.00
L68+00N	49+20E	0.50	6.00	2.50	15.00	17.00	112.00
L68+00N	49+60E	0.30	1.00	2.50	11.00	11.00	40.00
L68+00N	50+00E	0.10	1.00	2.50	16.00	14.00	46.00
L68+00N	50+40E	0.20	1.00	2.50	5.00	9.00	16.00
L68+00N	50+80E	0.10	1.00	2.50	10.00	12.00	31.00
L68+00N	51+20E	0.40	20.00	2.50	4.00	8.00	43.00
L68+00N	51+60E	0.30	4.00	2.50	51.00	19.00	73.00
L68+00N	52+00E	0.70	9.00	2.50	30.00	12.00	90.00
L68+00N	52+40E	0.40	4.00	2.50	13.00	17.00	100.00
L68+00N	52+80E	0.70	22.00	2.50	28.00	14.00	102.00
L68+00N	53+20E	1.80	25.00	2.50	73.00	19.00	440.00
L68+00N	53+60E	0.10	1.00	2.50	13.00	11.00	75.00
L68+00N	54+40E	0.20	1.00	2.50	9.00	8.00	44.00
L68+00N	54+80E	0.10	1.00	2.50	16.00	11.00	50.00
L68+00N	55+20E	0.10	1.00	2.50	22.00	7.00	38.00
L68+00N	55+60E	0.10	2.00	2.50	21.00	8.00	70.00
L68+00N	56+00E	0.20	1.00	2.50	12.00	13.00	60.00
L68+00N	56+40E	0.10	1.00	2.50	9.00	5.00	86.00
L68+00N	56+80E	0.10	1.00	2.50	5.00	7.00	25.00
L68+00N	57+20E	0.10	1.00	15.00	18.00	11.00	42.00
L68+00N	57+60E	0.10	1.00	2.50	11.00	9.00	61.00
L68+00N	58+00E	0.20	5.00	155.00	26.00	17.00	610.00
L68+00N	58+40E	0.20	1.00	2.50	93.00	16.00	1280.00
L68+00N	59+20E	0.10	1.00	10.00	10.00	10.00	41.00
L68+00N	59+60E	0.60	1.00	2.50	37.00	6.00	150.00
L68+00N	60+00E	0.20	1.00	2.50	46.00	5.00	73.00
L68+00N	60+40E	1.30	1.00	35.00	610.00	20.00	87.00
L68+00N	60+80E	0.50	1.00	2.50	30.00	10.00	66.00
L68+00N	61+20E	0.30	1.00	2.50	18.00	8.00	62.00
L68+00N	61+60E	0.20	1.00	2.50	24.00	7.00	80.00
L68+00N	62+00E	0.10	1.00	2.50	29.00	6.00	57.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L68+00N	62+40E	0.20	1.00	2.50	25.00	7.00	82.00
L68+00N	62+80E	0.30	1.00	2.50	17.00	7.00	64.00
L68+00N	63+20E	0.10	1.00	2.50	13.00	7.00	56.00
L68+00N	63+60E	0.10	1.00	2.50	13.00	7.00	102.00
L68+10N	41+60E	0.20	2.00	2.50	45.00	14.00	77.00
L69+00N	34+80E	0.30	12.00	2.50	70.00	8.00	66.00
L69+00N	35+20E	0.80	1.00	2.50	33.00	5.00	57.00
L69+00N	36+00E	0.10	3.00	2.50	41.00	7.00	53.00
L69+00N	36+40E	0.10	2.00	15.00	24.00	6.00	40.00
L69+00N	36+80E	0.30	1.00	2.50	54.00	7.00	50.00
L69+00N	37+20E	0.10	1.00	2.50	15.00	6.00	34.00
L69+00N	37+60E	0.10	1.00	2.50	6.00	4.00	14.00
L69+00N	38+40E	0.10	3.00	2.50	18.00	7.00	55.00
L69+00N	38+80E	0.10	1.00	2.50	14.00	6.00	64.00
L69+00N	39+20E	0.10	1.00	2.50	27.00	6.00	55.00
L69+00N	39+60E	0.10	1.00	2.50	29.00	8.00	68.00
L69+00N	40+00E	0.10	1.00	2.50	25.00	9.00	63.00
L69+00N	40+40E	0.30	1.00	2.50	47.00	21.00	95.00
L69+00N	40+80E	0.30	4.00	2.50	30.00	11.00	63.00
L69+00N	41+20E	0.10	1.00	2.50	40.00	14.00	80.00
L69+00N	41+60E	0.10	1.00	2.50	37.00	16.00	80.00
L69+00N	42+00E	0.10	1.00	25.00	43.00	11.00	73.00
L69+00N	42+40E	0.10	7.00	20.00	61.00	15.00	135.00
L69+00N	42+80E	0.20	1.00	2.50	20.00	11.00	61.00
L69+00N	43+20E	0.30	1.00	2.50	26.00	10.00	55.00
L69+00N	43+60E	0.70	1.00	25.00	22.00	14.00	46.00
L69+00N	44+40E	0.50	1.00	20.00	47.00	25.00	112.00
L69+00N	44+80E	0.40	4.00	2.50	31.00	47.00	80.00
L69+00N	45+20E	0.30	1.00	2.50	13.00	22.00	87.00
L69+00N	45+60E	0.30	1.00	20.00	32.00	20.00	97.00
L69+00N	46+00E	0.40	1.00	2.50	16.00	16.00	64.00
L69+00N	46+40E	0.40	1.00	2.50	38.00	16.00	86.00
L69+00N	46+80E	1.00	2.00	415.00	64.00	8.00	75.00
L69+00N	47+20E	0.10	1.00	2.50	17.00	10.00	48.00
L69+00N	48+00E	0.40	3.00	2.50	31.00	16.00	68.00
L69+00N	48+40E	1.20	1.00	2.50	16.00	16.00	55.00
L69+00N	49+20E	0.40	3.00	2.50	20.00	20.00	82.00
L69+00N	49+60E	0.30	5.00	2.50	32.00	29.00	80.00
L69+00N	50+00E	0.10	1.00	2.50	32.00	9.00	52.00
L69+00N	50+40E	0.40	2.00	10.00	40.00	10.00	86.00
L69+00N	50+80E	0.60	2.00	10.00	28.00	20.00	100.00
L69+00N	51+20E	0.30	1.00	5.00	24.00	16.00	75.00
L69+00N	51+60E	0.50	1.00	2.50	26.00	14.00	74.00
L69+00N	52+00E	0.30	1.00	2.50	25.00	16.00	72.00
L69+00N	52+40E	0.40	2.00	5.00	14.00	12.00	54.00
L69+00N	52+80E	0.30	2.00	2.50	17.00	8.00	34.00
L69+00N	53+20E	0.10	1.00	2.50	18.00	6.00	90.00
L69+00N	53+60E	0.10	12.00	2.50	15.00	8.00	910.00
L69+00N	54+00E	0.10	1.00	2.50	17.00	9.00	73.00
L69+00N	54+80E	0.10	1.00	2.50	11.00	9.00	24.00
L69+00N	55+20E	0.10	1.00	2.50	6.00	8.00	60.00
L69+00N	55+60E	0.10	1.00	2.50	6.00	8.00	28.00
L69+00N	56+00E	0.10	1.00	2.50	15.00	9.00	56.00
L69+00N	56+40E	0.10	1.00	2.50	20.00	7.00	82.00
L69+00N	56+80E	0.10	1.00	2.50	6.00	8.00	47.00
L69+00N	57+20E	0.30	1.00	2.50	10.00	24.00	192.00
L69+00N	57+60E	0.10	1.00	2.50	35.00	26.00	370.00
L69+00N	58+00E	0.10	1.00	2.50	12.00	8.00	127.00
L69+00N	58+40E	0.20	1.00	2.50	14.00	7.00	130.00
L69+00N	58+80E	0.30	1.00	10.00	66.00	9.00	125.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L69+00N	59+20E	0.20	3.00	2.50	78.00	7.00	77.00
L69+00N	59+60E	0.20	1.00	2.50	39.00	8.00	47.00
L69+00N	60+00E	0.30	3.00	2.50	16.00	10.00	60.00
L69+00N	60+40E	0.30	1.00	2.50	3.00	9.00	52.00
L69+00N	60+80E	0.10	1.00	2.50	20.00	8.00	40.00
L69+00N	61+20E	0.10	1.00	2.50	46.00	10.00	60.00
L69+00N	61+60E	0.10	1.00	2.50	41.00	5.00	45.00
L69+10N	36+40E	0.10	2.00	2.50	24.00	6.00	37.00
L70+00N	34+80E	0.10	5.00	2.50	80.00	7.00	70.00
L70+00N	35+20E	0.10	3.00	2.50	40.00	6.00	54.00
L70+00N	35+60E	0.30	3.00	2.50	23.00	7.00	68.00
L70+00N	36+00E	0.10	4.00	2.50	26.00	7.00	54.00
L70+00N	36+40E	0.20	5.00	2.50	17.00	8.00	42.00
L70+00N	36+80E	0.10	6.00	2.50	39.00	10.00	68.00
L70+00N	37+20E	0.10	4.00	2.50	25.00	8.00	52.00
L70+00N	37+60E	0.10	1.00	2.50	70.00	5.00	37.00
L70+00N	38+00E	0.10	3.00	2.50	63.00	6.00	66.00
L70+00N	38+40E	0.10	2.00	2.50	18.00	5.00	65.00
L70+00N	38+80E	0.10	6.00	2.50	34.00	6.00	56.00
L70+00N	39+20E	0.10	3.00	10.00	50.00	7.00	63.00
L70+00N	39+60E	0.10	6.00	2.50	28.00	9.00	70.00
L70+00N	40+00E	0.20	8.00	2.50	17.00	7.00	27.00
L70+00N	40+40E	0.10	1.00	25.00	57.00	11.00	91.00
L70+00N	40+80E	0.10	4.00	2.50	31.00	9.00	71.00
L70+00N	41+20E	0.20	1.00	2.50	38.00	12.00	58.00
L70+00N	42+00E	0.20	3.00	2.50	31.00	13.00	86.00
L70+00N	42+40E	0.20	1.00	2.50	26.00	7.00	70.00
L70+00N	42+80E	0.50	7.00	2.50	118.00	13.00	88.00
L70+00N	43+20E	0.40	1.00	2.50	16.00	17.00	66.00
L70+00N	43+60E	0.30	1.00	2.50	36.00	17.00	64.00
L70+00N	44+40E	0.30	1.00	2.50	9.00	15.00	85.00
L70+00N	44+80E	0.30	2.00	2.50	20.00	14.00	83.00
L70+00N	45+20E	2.40	1.00	2.50	35.00	78.00	163.00
L70+00N	45+60E	0.20	1.00	2.50	9.00	5.00	60.00
L70+00N	46+00E	0.40	2.00	2.50	16.00	24.00	69.00
L70+00N	46+40E	0.30	1.00	2.50	17.00	21.00	77.00
L70+00N	46+80E	0.40	1.00	2.50	27.00	16.00	60.00
L70+00N	47+20E	0.10	1.00	2.50	5.00	7.00	30.00
L70+00N	47+60E	0.10	2.00	2.50	3.00	3.00	12.00
L70+00N	48+40E	0.80	4.00	2.50	62.00	20.00	67.00
L70+00N	49+20E	0.20	5.00	2.50	14.00	13.00	34.00
L70+00N	49+60E	0.70	21.00	2.50	28.00	33.00	80.00
L70+00N	50+00E	0.10	3.00	2.50	25.00	15.00	80.00
L70+00N	50+40E	0.60	2.00	2.50	18.00	17.00	100.00
L70+00N	50+80E	0.40	1.00	45.00	18.00	43.00	78.00
L70+00N	51+20E	0.20	1.00	10.00	14.00	9.00	28.00
L70+00N	51+60E	0.20	1.00	2.50	22.00	15.00	61.00
L70+00N	52+00E	0.20	1.00	2.50	25.00	13.00	50.00
L70+00N	52+40E	0.20	1.00	2.50	22.00	12.00	44.00
L70+00N	52+80E	0.20	1.00	2.50	26.00	12.00	53.00
L70+00N	53+20E	0.10	1.00	5.00	30.00	10.00	47.00
L70+00N	53+60E	0.10	4.00	2.50	19.00	8.00	155.00
L70+00N	54+80E	0.10	1.00	2.50	5.00	4.00	27.00
L70+00N	55+60E	0.10	3.00	2.50	16.00	6.00	60.00
L70+00N	56+00E	0.30	1.00	2.50	17.00	8.00	73.00
L70+00N	56+40E	0.20	1.00	85.00	48.00	11.00	102.00
L70+00N	56+80E	0.20	2.00	2.50	61.00	9.00	71.00
L70+00N	58+40E	0.20	1.00	2.50	23.00	6.00	80.00
L70+00N	58+80E	0.50	2.00	180.00	25.00	4.00	184.00
L70+00N	59+20E	0.30	1.00	2.50	60.00	5.00	70.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L70+00N	59+60E	0.20	1.00	5.00	55.00	6.00	51.00
L70+00N	60+00E	0.10	1.00	2.50	34.00	5.00	60.00
L70+00N	60+40E	0.20	1.00	2.50	31.00	3.00	52.00
L70+10N	46+80E	0.60	4.00	10.00	30.00	20.00	68.00
L71+00N	35+20E	0.10	3.00	2.50	24.00	5.00	28.00
L71+00N	35+60E	0.10	2.00	2.50	71.00	6.00	73.00
L71+00N	36+00E	0.10	3.00	2.50	45.00	6.00	65.00
L71+00N	36+40E	0.10	8.00	2.50	43.00	7.00	70.00
L71+00N	36+80E	0.10	1.00	2.50	32.00	6.00	48.00
L71+00N	37+20E	0.30	4.00	2.50	58.00	5.00	56.00
L71+00N	37+60E	0.10	5.00	2.50	76.00	6.00	68.00
L71+00N	38+00E	0.10	4.00	2.50	71.00	4.00	100.00
L71+00N	38+40E	0.10	6.00	2.50	41.00	6.00	60.00
L71+00N	38+80E	0.10	1.00	2.50	16.00	6.00	40.00
L71+00N	39+20E	0.10	5.00	2.50	48.00	6.00	60.00
L71+00N	39+60E	0.10	8.00	2.50	25.00	5.00	77.00
L71+00N	40+00E	0.10	4.00	2.50	23.00	7.00	68.00
L71+00N	40+40E	0.10	8.00	2.50	36.00	8.00	75.00
L71+00N	40+80E	0.10	3.00	2.50	24.00	6.00	52.00
L71+00N	41+20E	0.10	1.00	2.50	28.00	7.00	68.00
L71+00N	42+00E	0.30	2.00	2.50	53.00	9.00	124.00
L71+00N	42+40E	0.30	4.00	2.50	86.00	6.00	77.00
L71+00N	42+80E	0.20	2.00	2.50	25.00	9.00	50.00
L71+00N	43+60E	0.20	2.00	2.50	10.00	14.00	49.00
L71+00N	44+00E	0.40	1.00	20.00	22.00	10.00	105.00
L71+00N	44+80E	0.20	4.00	20.00	24.00	12.00	50.00
L71+00N	45+60E	0.30	1.00	2.50	13.00	10.00	70.00
L71+00N	46+40E	0.20	4.00	2.50	16.00	9.00	63.00
L71+00N	46+80E	0.40	6.00	2.50	26.00	11.00	75.00
L71+00N	47+20E	0.20	5.00	2.50	20.00	11.00	36.00
L71+00N	47+60E	0.20	9.00	2.50	18.00	10.00	50.00
L71+00N	48+00E	0.40	6.00	2.50	33.00	21.00	60.00
L71+00N	49+60E	0.20	9.00	2.50	15.00	10.00	44.00
L71+00N	50+00E	0.10	2.00	2.50	26.00	15.00	60.00
L71+00N	50+40E	1.50	1.00	2.50	72.00	146.00	292.00
L71+00N	50+80E	0.20	1.00	2.50	15.00	14.00	52.00
L71+00N	51+60E	0.20	2.00	2.50	21.00	8.00	40.00
L71+00N	52+00E	0.50	1.00	2.50	48.00	8.00	44.00
L71+00N	52+40E	0.30	1.00	2.50	56.00	6.00	55.00
L71+00N	52+80E	0.30	3.00	20.00	41.00	7.00	50.00
L71+00N	54+00E	0.10	1.00	2.50	20.00	6.00	63.00
L71+00N	54+40E	0.10	1.00	2.50	30.00	17.00	54.00
L71+00N	54+80E	0.10	2.00	2.50	8.00	7.00	43.00
L71+00N	55+40E	0.20	2.00	2.50	16.00	6.00	42.00
L71+00N	55+60E	0.10	2.00	2.50	24.00	2.00	65.00
L71+00N	56+00E	0.40	7.00	105.00	22.00	33.00	250.00
L71+00N	56+40E	0.20	1.00	2.50	15.00	6.00	40.00
L71+00N	56+80E	0.30	1.00	2.50	20.00	7.00	53.00
L71+00N	57+20E	0.30	2.00	2.50	18.00	8.00	65.00
L71+00N	57+60E	1.00	1.00	2.50	97.00	9.00	150.00
L71+00N	58+00E	0.10	1.00	10.00	37.00	7.00	54.00
L71+00N	58+40E	0.10	1.00	2.50	37.00	9.00	90.00
L71+00N	59+20E	0.30	2.00	2.50	30.00	8.00	58.00
L71+00N	59+60E	0.20	1.00	5.00	38.00	7.00	42.00
L71+00N	60+00E	0.20	1.00	2.50	48.00	9.00	40.00
L71+00N	60+40E	0.10	2.00	10.00	14.00	6.00	31.00
L71+00N	61+20E	0.40	1.00	2.50	154.00	17.00	58.00
L71+10N	38+00E	0.10	8.00	2.50	60.00	5.00	103.00
L72+00N	35+20E	0.20	2.00	10.00	30.00	6.00	57.00
L72+00N	35+60E	0.30	8.00	20.00	22.00	14.00	44.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L72+00N	36+00E	0.40	3.00	30.00	55.00	6.00	78.00
L72+00N	36+40E	0.30	5.00	25.00	80.00	7.00	80.00
L72+00N	36+80E	0.20	4.00	15.00	108.00	8.00	88.00
L72+00N	37+20E	0.30	4.00	2.50	75.00	7.00	50.00
L72+00N	37+60E	0.10	1.00	2.50	47.00	12.00	77.00
L72+00N	38+00E	0.20	3.00	25.00	16.00	5.00	36.00
L72+00N	38+40E	0.40	2.00	2.50	62.00	7.00	100.00
L72+00N	38+80E	0.50	1.00	2.50	26.00	8.00	81.00
L72+00N	39+20E	0.30	8.00	10.00	81.00	7.00	76.00
L72+00N	39+60E	0.10	1.00	2.50	52.00	7.00	64.00
L72+00N	39+70E	0.20	3.00	25.00	50.00	6.00	66.00
L72+00N	40+00E	0.10	7.00	10.00	41.00	8.00	102.00
L72+00N	40+40E	0.10	2.00	2.50	43.00	9.00	63.00
L72+00N	40+80E	0.20	4.00	2.50	26.00	11.00	50.00
L72+00N	41+20E	0.10	4.00	10.00	14.00	10.00	37.00
L72+00N	41+60E	0.10	2.00	2.50	25.00	11.00	56.00
L72+00N	42+00E	0.20	5.00	15.00	50.00	17.00	131.00
L72+00N	42+80E	0.10	1.00	10.00	21.00	11.00	53.00
L72+00N	43+10E	0.30	1.00	2.50	35.00	13.00	78.00
L72+00N	43+20E	0.30	3.00	35.00	34.00	17.00	80.00
L72+00N	43+60E	0.20	1.00	20.00	18.00	11.00	82.00
L72+00N	44+00E	0.60	5.00	175.00	50.00	20.00	281.00
L72+00N	44+80E	0.20	4.00	50.00	47.00	25.00	96.00
L72+00N	46+00E	1.80	1.00	60.00	51.00	56.00	188.00
L72+00N	46+80E	0.30	5.00	35.00	32.00	27.00	113.00
L72+00N	47+20E	0.40	8.00	45.00	71.00	53.00	131.00
L72+00N	47+60E	0.20	3.00	2.50	30.00	15.00	63.00
L72+00N	48+00E	0.20	1.00	2.50	21.00	12.00	60.00
L72+00N	48+40E	0.40	1.00	2.50	20.00	8.00	38.00
L72+00N	49+60E	0.10	10.00	2.50	16.00	17.00	38.00
L72+00N	50+00E	1.20	1.00	2.50	55.00	16.00	63.00
L72+00N	50+40E	0.10	1.00	2.50	19.00	13.00	73.00
L72+00N	50+80E	0.10	1.00	2.50	38.00	16.00	43.00
L72+00N	51+20E	0.10	1.00	50.00	30.00	10.00	54.00
L72+00N	52+00E	0.10	4.00	2.50	41.00	14.00	43.00
L72+00N	52+40E	0.10	6.00	2.50	30.00	12.00	44.00
L72+00N	53+20E	0.60	4.00	2.50	56.00	13.00	51.00
L72+00N	53+60E	0.10	1.00	2.50	41.00	9.00	50.00
L72+00N	54+00E	0.20	1.00	2.50	33.00	25.00	50.00
L72+00N	54+40E	0.30	2.00	2.50	16.00	13.00	55.00
L72+00N	54+80E	0.30	1.00	2.50	42.00	8.00	48.00
L72+00N	55+20E	0.20	3.00	2.50	16.00	8.00	66.00
L72+00N	55+60E	0.30	1.00	2.50	21.00	8.00	45.00
L72+00N	56+00E	0.10	1.00	2.50	28.00	6.00	45.00
L72+00N	56+40E	0.10	1.00	2.50	20.00	6.00	47.00
L72+00N	56+80E	0.10	6.00	2.50	48.00	7.00	44.00
L72+00N	57+20E	0.30	1.00	2.50	33.00	5.00	73.00
L72+00N	57+60E	0.30	1.00	5.00	81.00	16.00	96.00
L72+00N	58+00E	0.20	1.00	2.50	16.00	7.00	66.00
L72+00N	58+40E	0.10	2.00	2.50	60.00	6.00	62.00
L72+00N	59+20E	0.30	1.00	10.00	107.00	7.00	176.00
L73+00N	34+00E	0.10	4.00	2.50	109.00	5.00	73.00
L73+00N	34+80E	0.20	3.00	2.50	77.00	4.00	45.00
L73+00N	35+20E	0.10	1.00	2.50	42.00	4.00	62.00
L73+00N	35+60E	0.10	1.00	2.50	21.00	4.00	32.00
L73+00N	36+00E	0.10	1.00	2.50	20.00	6.00	43.00
L73+00N	36+40E	0.20	4.00	2.50	72.00	7.00	96.00
L73+00N	36+80E	0.20	4.00	2.50	51.00	6.00	61.00
L73+00N	37+20E	0.20	1.00	2.50	13.00	7.00	40.00
L73+00N	37+60E	0.40	2.00	2.50	34.00	6.00	61.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L73+00N	38+00E	0.10	1.00	2.50	20.00	7.00	42.00
L73+00N	38+40E	0.10	1.00	10.00	20.00	5.00	33.00
L73+00N	38+80E	0.10	1.00	2.50	67.00	5.00	60.00
L73+00N	39+60E	0.20	1.00	10.00	10.00	7.00	52.00
L73+00N	40+00E	0.10	1.00	10.00	26.00	8.00	68.00
L73+00N	40+40E	0.10	1.00	10.00	20.00	8.00	71.00
L73+00N	40+80E	0.10	2.00	10.00	57.00	9.00	66.00
L73+00N	41+20E	0.50	1.00	10.00	23.00	6.00	66.00
L73+00N	41+60E	0.20	4.00	30.00	48.00	11.00	117.00
L73+00N	42+00E	0.10	1.00	215.00	46.00	12.00	103.00
L73+00N	42+40E	0.20	7.00	20.00	7.00	10.00	70.00
L73+00N	42+80E	0.60	1.00	20.00	63.00	24.00	168.00
L73+00N	43+20E	0.60	1.00	5.00	37.00	11.00	96.00
L73+00N	43+60E	0.20	2.00	2.50	12.00	6.00	42.00
L73+00N	44+00E	0.10	3.00	2.50	5.00	3.00	17.00
L73+00N	44+40E	0.10	3.00	2.50	19.00	5.00	44.00
L73+00N	45+20E	0.10	1.00	2.50	17.00	18.00	71.00
L73+00N	45+60E	1.30	3.00	35.00	34.00	38.00	118.00
L73+00N	46+00E	0.50	1.00	30.00	47.00	51.00	122.00
L73+00N	46+40E	0.20	3.00	30.00	34.00	32.00	108.00
L73+00N	46+80E	0.10	2.00	25.00	10.00	7.00	28.00
L73+00N	47+20E	0.30	1.00	20.00	11.00	9.00	50.00
L73+00N	47+60E	0.40	3.00	25.00	36.00	13.00	74.00
L73+00N	48+00E	0.90	9.00	30.00	66.00	11.00	87.00
L73+00N	48+40E	0.10	2.00	30.00	7.00	3.00	43.00
L73+00N	48+70E	0.50	8.00	35.00	55.00	7.00	113.00
L73+00N	49+20E	0.60	2.00	60.00	8.00	5.00	22.00
L73+00N	49+60E	0.40	1.00	50.00	23.00	12.00	47.00
L73+00N	50+00E	0.10	1.00	80.00	8.00	9.00	22.00
L73+00N	50+40E	0.40	1.00	10.00	22.00	18.00	128.00
L73+00N	50+80E	0.30	1.00	2.50	20.00	10.00	41.00
L73+00N	51+20E	0.10	1.00	2.50	34.00	14.00	42.00
L73+00N	51+60E	0.10	4.00	2.50	24.00	11.00	37.00
L73+00N	52+00E	0.30	1.00	2.50	24.00	11.00	40.00
L73+00N	52+80E	0.10	2.00	2.50	21.00	15.00	31.00
L73+00N	53+20E	0.40	2.50	2.50	48.00	21.00	104.00
L73+00N	53+60E	0.30	1.00	2.50	38.00	9.00	124.00
L73+00N	54+00E	0.10	1.00	2.50	45.00	10.00	47.00
L73+00N	54+40E	0.70	4.00	2.50	66.00	15.00	67.00
L73+00N	54+80E	0.40	1.00	2.50	30.00	18.00	53.00
L73+00N	55+20E	0.40	1.00	2.50	62.00	8.00	58.00
L73+00N	56+00E	0.10	1.00	2.50	27.00	4.00	40.00
L73+00N	56+40E	0.10	2.00	2.50	24.00	4.00	43.00
L73+00N	56+80E	0.10	1.00	2.50	34.00	5.00	68.00
L73+00N	57+20E	0.20	1.00	2.50	35.00	7.00	60.00
L73+00N	57+60E	0.10	6.00	5.00	23.00	5.00	50.00
L73+00N	58+00E	0.10	3.00	2.50	30.00	6.00	57.00
L73+00N	58+40E	0.40	3.00	2.50	51.00	7.00	166.00
L73+00N	58+80E	0.10	4.00	25.00	52.00	6.00	95.00
L73+00N	59+20E	0.30	3.00	60.00	24.00	5.00	72.00
L73+00N	59+60E	0.20	2.00	10.00	43.00	5.00	57.00
L73+00N	60+00E	0.10	3.00	2.50	62.00	4.00	104.00
L73+00N	60+40E	0.10	1.00	2.50	26.00	5.00	53.00
L73+10N	47+60E	0.50	2.00	2.50	34.00	14.00	75.00
L74+00N	35+20E	0.10	1.00	5.00	28.00	6.00	40.00
L74+00N	35+60E	0.10	1.00	15.00	46.00	6.00	35.00
L74+00N	36+00E	0.10	5.00	2.50	61.00	6.00	55.00
L74+00N	37+20E	0.10	3.00	10.00	14.00	5.00	31.00
L74+00N	37+60E	0.10	1.00	10.00	100.00	4.00	66.00
L74+00N	38+00E	0.10	1.00	2.50	17.00	6.00	41.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L74+00N	38+40E	0.10	1.00	2.50	20.00	6.00	51.00
L74+00N	38+80E	0.10	1.00	2.50	32.00	7.00	62.00
L74+00N	39+20E	0.10	2.00	2.50	25.00	6.00	59.00
L74+00N	39+60E	0.10	1.00	2.50	15.00	6.00	47.00
L74+00N	40+40E	0.20	1.00	2.50	8.00	7.00	74.00
L74+00N	41+20E	0.10	1.00	2.50	47.00	12.00	65.00
L74+00N	42+00E	0.10	1.00	2.50	49.00	10.00	50.00
L74+00N	42+40E	0.30	6.00	2.50	77.00	21.00	170.00
L74+00N	42+80E	0.50	1.00	2.50	17.00	15.00	83.00
L74+00N	43+20E	0.20	1.00	2.50	48.00	9.00	107.00
L74+00N	43+60E	0.10	1.00	2.50	13.00	9.00	50.00
L74+00N	44+00E	0.10	1.00	25.00	20.00	9.00	76.00
L74+00N	44+80E	0.10	1.00	25.00	11.00	11.00	62.00
L74+00N	45+20E	0.30	1.00	30.00	61.00	9.00	100.00
L74+00N	45+60E	0.20	2.00	10.00	22.00	22.00	106.00
L74+00N	46+00E	0.60	1.00	20.00	52.00	40.00	150.00
L74+00N	46+80E	0.10	1.00	60.00	21.00	20.00	80.00
L74+00N	47+20E	0.40	1.00	35.00	68.00	30.00	64.00
L74+00N	47+60E	0.10	1.00	2.50	16.00	10.00	52.00
L74+00N	48+40E	0.30	2.00	2.50	78.00	7.00	90.00
L74+00N	48+80E	0.20	1.00	25.00	25.00	11.00	63.00
L74+00N	49+60E	0.40	3.00	15.00	28.00	32.00	72.00
L74+00N	50+00E	0.10	1.00	10.00	28.00	18.00	80.00
L74+00N	50+40E	0.20	1.00	5.00	41.00	10.00	51.00
L74+00N	50+80E	0.10	7.00	10.00	20.00	10.00	41.00
L74+00N	51+20E	0.10	1.00	2.50	16.00	14.00	38.00
L74+00N	51+60E	0.10	6.00	10.00	20.00	9.00	38.00
L74+00N	52+00E	0.10	7.00	10.00	20.00	12.00	30.00
L74+00N	52+40E	0.30	5.00	2.50	44.00	12.00	50.00
L74+00N	52+80E	0.10	4.00	2.50	40.00	11.00	48.00
L74+00N	53+20E	0.10	5.00	2.50	32.00	8.00	127.00
L74+00N	54+00E	0.10	3.00	2.50	51.00	7.00	41.00
L74+00N	54+40E	0.70	1.00	2.50	17.00	8.00	37.00
L74+00N	54+80E	0.20	7.00	5.00	15.00	7.00	43.00
L74+00N	55+20E	0.30	7.00	2.50	50.00	9.00	60.00
L74+00N	55+60E	0.20	7.00	2.50	26.00	8.00	68.00
L74+00N	56+00E	0.10	6.00	2.50	11.00	8.00	41.00
L74+00N	56+40E	0.10	4.00	2.50	33.00	10.00	185.00
L74+00N	56+80E	0.10	3.00	2.50	32.00	8.00	210.00
L74+00N	57+20E	0.40	2.00	2.50	44.00	7.00	64.00
L74+00N	57+60E	0.10	1.00	2.50	28.00	6.00	88.00
L74+00N	58+00E	0.40	2.00	2.50	30.00	6.00	64.00
L74+00N	58+40E	0.30	1.00	2.50	25.00	6.00	62.00
L74+00N	58+80E	0.30	3.00	2.50	52.00	6.00	67.00
L74+00N	59+20E	0.20	3.00	2.50	44.00	6.00	167.00
L74+00N	59+60E	0.10	2.00	2.50	32.00	6.00	70.00
L74+00N	60+00E	0.10	10.00	5.00	78.00	5.00	265.00
L75+00N	35+20E	0.40	1.00	2.50	42.00	4.00	31.00
L75+00N	37+20E	0.20	1.00	2.50	55.00	5.00	65.00
L75+00N	37+60E	0.10	1.00	2.50	56.00	6.00	45.00
L75+00N	38+00E	0.10	1.00	20.00	16.00	7.00	25.00
L75+00N	38+40E	0.10	2.00	2.50	48.00	6.00	58.00
L75+00N	38+80E	0.10	1.00	2.50	35.00	7.00	45.00
L75+00N	39+20E	0.10	4.00	2.50	43.00	6.00	60.00
L75+00N	39+60E	0.10	1.00	2.50	16.00	11.00	33.00
L75+00N	40+00E	0.10	2.00	2.50	18.00	6.00	40.00
L75+00N	40+40E	0.10	1.00	2.50	6.00	7.00	42.00
L75+00N	40+80E	0.20	1.00	2.50	28.00	8.00	46.00
L75+00N	41+20E	0.10	3.00	10.00	53.00	10.00	74.00
L75+00N	41+60E	0.10	2.00	2.50	50.00	11.00	144.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L75+00N	42+00E	0.40	1.00	25.00	85.00	18.00	180.00
L75+00N	42+80E	0.20	1.00	2.50	28.00	7.00	87.00
L75+00N	43+20E	0.10	5.00	2.50	44.00	11.00	62.00
L75+00N	43+60E	0.20	1.00	2.50	51.00	21.00	100.00
L75+00N	44+00E	0.40	1.00	2.50	36.00	18.00	73.00
L75+00N	44+40E	0.40	1.00	2.50	138.00	11.00	91.00
L75+00N	45+20E	0.80	2.00	2.50	32.00	20.00	93.00
L75+00N	45+60E	0.50	1.00	2.50	33.00	51.00	93.00
L75+00N	46+00E	0.10	5.00	2.50	27.00	28.00	106.00
L75+00N	46+40E	0.30	1.00	50.00	71.00	117.00	103.00
L75+00N	46+80E	0.10	1.00	2.50	10.00	15.00	48.00
L75+00N	47+20E	0.10	1.00	2.50	71.00	32.00	130.00
L75+00N	47+60E	0.10	1.00	2.50	44.00	28.00	116.00
L75+00N	48+00E	0.10	2.00	2.50	56.00	33.00	91.00
L75+00N	48+80E	0.90	8.00	2.50	126.00	7.00	92.00
L75+00N	49+20E	0.10	1.00	2.50	10.00	7.00	18.00
L75+00N	50+40E	0.30	1.00	10.00	103.00	43.00	98.00
L75+00N	51+20E	0.10	1.00	2.50	20.00	12.00	45.00
L75+00N	52+00E	0.10	1.00	2.50	17.00	7.00	40.00
L75+00N	52+40E	0.10	3.00	2.50	46.00	12.00	55.00
L75+00N	52+80E	0.10	3.00	2.50	18.00	12.00	46.00
L75+00N	53+20E	0.10	1.00	10.00	18.00	13.00	38.00
L75+00N	53+60E	0.10	5.00	2.50	21.00	8.00	33.00
L75+00N	54+00E	0.10	1.00	2.50	13.00	10.00	30.00
L75+00N	54+40E	0.10	1.00	2.50	36.00	8.00	58.00
L75+00N	54+80E	0.10	1.00	2.50	35.00	9.00	94.00
L75+00N	55+60E	0.10	1.00	2.50	13.00	12.00	40.00
L75+00N	56+00E	0.10	1.00	2.50	36.00	9.00	47.00
L75+00N	56+40E	0.10	1.00	2.50	41.00	6.00	41.00
L75+00N	56+80E	0.10	1.00	10.00	22.00	7.00	70.00
L75+00N	57+20E	0.30	1.00	5.00	12.00	8.00	72.00
L75+00N	57+60E	0.30	1.00	10.00	18.00	8.00	66.00
L75+00N	58+00E	0.10	1.00	2.50	19.00	8.00	48.00
L75+00N	58+40E	0.40	4.00	10.00	213.00	11.00	323.00
L75+00N	58+80E	0.10	1.00	2.50	23.00	7.00	70.00
L75+00N	59+20E	0.10	1.00	2.50	47.00	5.00	47.00
L75+00N	59+60E	0.20	1.00	15.00	80.00	14.00	304.00
L75+00N	60+00E	0.10	2.00	2.50	75.00	8.00	103.00
L75+10N	48+40E	0.10	1.00	2.50	36.00	16.00	67.00
L76+00N	35+20E	0.10	3.00	10.00	47.00	4.00	37.00
L76+00N	35+60E	0.10	1.00	15.00	30.00	4.00	37.00
L76+00N	36+00E	0.10	3.00	10.00	16.00	4.00	38.00
L76+00N	36+40E	0.50	1.00	2.50	19.00	5.00	63.00
L76+00N	36+80E	0.30	6.00	40.00	44.00	6.00	80.00
L76+00N	37+20E	0.40	10.00	40.00	43.00	9.00	62.00
L76+00N	38+00E	0.30	1.00	25.00	22.00	4.00	42.00
L76+00N	38+40E	0.10	3.00	65.00	57.00	5.00	106.00
L76+00N	38+80E	0.10	1.00	2.50	37.00	4.00	46.00
L76+00N	39+20E	0.10	5.00	2.50	30.00	10.00	53.00
L76+00N	39+60E	0.30	3.00	2.50	28.00	9.00	74.00
L76+00N	40+00E	0.20	2.00	2.50	30.00	9.00	59.00
L76+00N	40+40E	0.10	4.00	2.50	62.00	10.00	90.00
L76+00N	40+80E	0.10	8.00	2.50	115.00	33.00	250.00
L76+00N	41+20E	0.10	4.00	2.50	31.00	10.00	65.00
L76+00N	41+60E	0.20	3.00	2.50	30.00	5.00	118.00
L76+00N	41+80E	0.30	1.00	2.50	81.00	8.00	215.00
L76+00N	42+20E	0.10	2.00	2.50	33.00	9.00	110.00
L76+00N	42+80E	0.10	6.00	2.50	38.00	10.00	76.00
L76+00N	43+20E	0.10	1.00	25.00	40.00	11.00	117.00
L76+00N	44+00E	2.00	3.00	20.00	54.00	10.00	82.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L76+00N	44+20E	0.60	4.00	35.00	103.00	15.00	102.00
L76+00N	45+20E	0.20	1.00	25.00	21.00	32.00	80.00
L76+00N	45+60E	0.40	4.00	30.00	31.00	43.00	96.00
L76+00N	46+00E	0.40	2.00	25.00	36.00	7.00	106.00
L76+00N	46+40E	0.40	1.00	30.00	66.00	76.00	218.00
L76+00N	46+80E	0.40	3.00	20.00	42.00	43.00	105.00
L76+00N	47+20E	0.20	1.00	15.00	40.00	36.00	92.00
L76+00N	47+60E	0.30	5.00	29.00	26.00	32.00	40.00
L76+00N	48+40E	0.30	1.00	15.00	11.00	6.00	50.00
L76+00N	48+80E	0.20	1.00	25.00	11.00	14.00	52.00
L76+00N	51+20E	0.10	6.00	15.00	72.00	24.00	87.00
L76+00N	51+60E	0.10	3.00	2.50	102.00	17.00	70.00
L76+00N	52+00E	1.10	8.00	770.00	135.00	203.00	440.00
L76+00N	52+40E	0.10	2.00	10.00	35.00	18.00	60.00
L76+00N	52+80E	0.10	1.00	5.00	12.00	13.00	38.00
L76+00N	53+20E	0.10	1.00	2.50	25.00	13.00	35.00
L76+00N	54+00E	0.20	1.00	2.50	19.00	14.00	44.00
L76+00N	54+40E	0.30	8.00	2.50	50.00	9.00	50.00
L76+00N	54+60E	0.10	1.00	2.50	14.00	8.00	40.00
L76+00N	54+80E	0.20	3.00	2.50	30.00	8.00	57.00
L76+00N	55+20E	0.10	3.00	2.50	11.00	7.00	26.00
L76+00N	55+60E	0.10	1.00	10.00	20.00	9.00	42.00
L76+00N	56+00E	0.10	1.00	5.00	28.00	9.00	122.00
L76+00N	56+40E	0.20	1.00	2.50	11.00	9.00	30.00
L76+00N	56+80E	0.20	1.00	2.50	17.00	7.00	34.00
L76+00N	57+20E	0.10	1.00	2.50	25.00	9.00	45.00
L76+00N	58+00E	0.30	5.00	2.50	20.00	8.00	54.00
L76+00N	58+40E	0.30	1.00	2.50	63.00	7.00	93.00
L76+00N	58+80E	0.20	1.00	2.50	16.00	5.00	38.00
L76+00N	59+20E	0.20	1.00	2.50	17.00	8.00	37.00
L77+00N	36+60E	0.10	1.00	10.00	60.00	6.00	51.00
L77+00N	36+80E	0.10	1.00	10.00	75.00	6.00	43.00
L77+00N	37+20E	0.10	6.00	60.00	40.00	6.00	42.00
L77+00N	37+60E	0.10	1.00	2.50	35.00	4.00	31.00
L77+00N	37+60E	0.20	8.00	15.00	36.00	5.00	37.00
L77+00N	38+00E	0.20	1.00	2.50	28.00	5.00	30.00
L77+00N	38+40E	0.30	1.00	30.00	41.00	6.00	54.00
L77+00N	39+20E	0.40	2.00	2.50	31.00	6.00	49.00
L77+00N	39+60E	0.20	1.00	2.50	16.00	11.00	27.00
L77+00N	40+00E	0.30	1.00	2.50	17.00	7.00	32.00
L77+00N	40+40E	0.10	1.00	2.50	12.00	8.00	23.00
L77+00N	40+80E	0.10	5.00	2.50	115.00	13.00	60.00
L77+00N	41+20E	0.20	10.00	2.50	25.00	6.00	53.00
L77+00N	41+60E	0.10	2.00	2.50	18.00	8.00	61.00
L77+00N	42+00E	0.10	1.00	2.50	23.00	9.00	74.00
L77+00N	42+80E	0.10	1.00	2.50	10.00	6.00	44.00
L77+00N	43+20E	0.20	1.00	2.50	17.00	7.00	102.00
L77+00N	44+00E	1.80	2.00	2.50	137.00	23.00	113.00
L77+00N	44+40E	0.30	1.00	2.50	68.00	26.00	160.00
L77+00N	45+20E	0.20	5.00	2.50	25.00	12.00	78.00
L77+00N	45+60E	0.30	1.00	75.00	21.00	34.00	93.00
L77+00N	46+00E	0.60	5.00	55.00	45.00	48.00	202.00
L77+00N	46+20E	0.90	1.00	335.00	46.00	55.00	189.00
L77+00N	46+80E	0.20	1.00	2.50	7.00	11.00	28.00
L77+00N	48+00E	0.10	4.00	2.50	32.00	32.00	100.00
L77+00N	48+40E	0.10	2.00	30.00	21.00	18.00	67.00
L77+00N	48+80E	0.40	3.00	10.00	32.00	44.00	89.00
L77+00N	49+20E	1.20	1.00	30.00	35.00	20.00	110.00
L77+00N	50+40E	0.40	1.00	2.50	56.00	41.00	94.00
L77+00N	50+80E	0.30	1.00	25.00	62.00	12.00	90.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L77+00N	51+20E	0.50	1.00	5.00	48.00	34.00	81.00
L77+00N	51+60E	1.60	1.00	105.00	2240.00	104.00	335.00
L77+00N	52+00E	1.00	61.00	1520.00	98.00	38.00	560.00
L77+00N	52+40E	0.10	3.00	10.00	27.00	12.00	48.00
L77+00N	52+80E	0.10	2.00	5.00	28.00	8.00	47.00
L77+00N	53+20E	0.20	1.00	2.50	18.00	12.00	40.00
L77+00N	53+60E	0.20	2.00	2.50	36.00	10.00	41.00
L77+00N	54+00E	0.10	1.00	2.50	24.00	5.00	38.00
L77+00N	54+40E	0.30	1.00	5.00	25.00	7.00	33.00
L77+00N	54+80E	0.30	1.00	5.00	28.00	6.00	33.00
L77+00N	55+20E	0.20	1.00	2.50	31.00	6.00	80.00
L77+00N	55+60E	0.20	2.00	10.00	28.00	8.00	70.00
L77+00N	56+00E	0.20	1.00	5.00	64.00	6.00	62.00
L77+00N	56+40E	0.30	1.00	10.00	38.00	8.00	124.00
L77+00N	56+80E	0.10	1.00	5.00	19.00	7.00	70.00
L77+00N	57+20E	0.20	1.00	2.50	27.00	6.00	40.00
L77+00N	57+60E	0.10	1.00	10.00	55.00	4.00	50.00
L77+00N	58+00E	0.20	1.00	5.00	18.00	6.00	36.00
L77+00N	58+40E	0.10	1.00	10.00	25.00	5.00	35.00
L77+00N	58+80E	0.10	1.00	20.00	8.00	6.00	24.00
L77+00N	59+20E	0.20	1.00	15.00	43.00	7.00	55.00
L77+00N	60+80E	0.20	1.00	5.00	38.00	7.00	38.00
L77+00N	61+20E	0.40	1.00	150.00	286.00	10.00	55.00
L78+00N	37+40E	0.20	1.00	15.00	27.00	4.00	33.00
L78+00N	38+40E	0.30	4.00	2.50	25.00	3.00	37.00
L78+00N	38+80E	0.20	4.00	2.50	15.00	5.00	28.00
L78+00N	39+20E	0.20	1.00	2.50	21.00	4.00	29.00
L78+00N	39+60E	0.20	1.00	2.50	18.00	7.00	47.00
L78+00N	40+00E	0.10	1.00	2.50	27.00	8.00	40.00
L78+00N	40+40E	0.20	1.00	20.00	20.00	8.00	34.00
L78+00N	40+80E	0.20	1.00	2.50	14.00	6.00	27.00
L78+00N	41+20E	0.10	1.00	2.50	71.00	15.00	80.00
L78+00N	41+60E	0.10	1.00	2.50	43.00	10.00	80.00
L78+00N	42+00E	0.20	4.00	2.50	62.00	18.00	86.00
L78+00N	42+40E	0.20	3.00	2.50	20.00	7.00	75.00
L78+00N	42+80E	0.10	4.00	2.50	21.00	11.00	41.00
L78+00N	43+20E	0.70	1.00	25.00	44.00	12.00	70.00
L78+00N	43+60E	0.40	4.00	25.00	18.00	10.00	47.00
L78+00N	44+00E	0.10	1.00	2.50	15.00	10.00	77.00
L78+00N	44+40E	0.30	2.00	2.50	26.00	20.00	76.00
L78+00N	44+80E	0.20	1.00	10.00	14.00	15.00	62.00
L78+00N	45+20E	1.20	1.00	2.50	111.00	9.00	114.00
L78+00N	46+00E	0.20	1.00	2.50	66.00	21.00	87.00
L78+00N	46+40E	0.60	1.00	2.50	48.00	56.00	110.00
L78+00N	46+80E	1.00	1.00	10.00	23.00	29.00	37.00
L78+00N	47+20E	0.40	2.00	10.00	21.00	13.00	53.00
L78+00N	47+60E	0.30	5.00	2.50	16.00	24.00	30.00
L78+00N	48+00E	0.30	1.00	15.00	20.00	36.00	49.00
L78+00N	48+40E	0.50	3.00	2.50	21.00	30.00	80.00
L78+00N	48+80E	1.40	3.00	80.00	29.00	15.00	60.00
L78+00N	50+00E	0.20	2.00	2.50	17.00	20.00	41.00
L78+00N	50+40E	0.20	1.00	5.00	29.00	10.00	61.00
L78+00N	50+80E	0.40	1.00	10.00	63.00	17.00	137.00
L78+00N	51+20E	0.80	1.00	2.50	75.00	32.00	146.00
L78+00N	51+60E	0.20	1.00	5.00	116.00	26.00	101.00
L78+00N	52+00E	0.40	1.00	2.50	30.00	20.00	48.00
L78+00N	52+40E	0.40	1.00	2.50	22.00	12.00	45.00
L78+00N	52+80E	0.40	6.00	2.50	17.00	12.00	80.00
L78+00N	53+20E	0.10	1.00	2.50	19.00	13.00	34.00
L78+00N	53+60E	0.40	7.00	2.50	24.00	20.00	82.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L78+00N	54+00E	0.20	1.00	2.50	21.00	15.00	70.00
L78+00N	54+40E	0.30	3.00	2.50	63.00	10.00	92.00
L78+00N	54+80E	0.20	1.00	2.50	39.00	9.00	38.00
L78+00N	55+20E	0.30	1.00	2.50	46.00	8.00	77.00
L78+00N	55+60E	0.20	5.00	2.50	33.00	7.00	30.00
L78+00N	56+00E	0.20	1.00	2.50	19.00	10.00	32.00
L78+00N	56+40E	0.10	1.00	5.00	40.00	4.00	55.00
L78+00N	56+80E	0.30	4.00	5.00	71.00	7.00	86.00
L78+00N	57+20E	0.20	1.00	2.50	45.00	8.00	90.00
L78+00N	57+60E	0.20	6.00	2.50	41.00	10.00	73.00
L78+00N	58+00E	0.20	1.00	2.50	40.00	6.00	45.00
L78+00N	58+40E	0.10	1.00	2.50	16.00	5.00	28.00
L78+00N	58+80E	0.20	2.00	2.50	25.00	5.00	36.00
L78+00N	59+20E	0.20	1.00	2.50	17.00	9.00	42.00
L78+00N	59+60E	0.10	3.00	2.50	28.00	4.00	45.00
L78+00N	60+00E	0.20	1.00	2.50	34.00	6.00	68.00
L79+00N	44+40E	0.40	1.00	2.50	33.00	39.00	50.00
L79+00N	45+20E	0.20	1.00	2.50	20.00	6.00	46.00
L79+00N	46+00E	1.50	1.00	2.50	54.00	160.00	222.00
L79+00N	46+40E	0.40	1.00	15.00	64.00	119.00	180.00
L79+00N	46+80E	0.40	1.00	2.50	15.00	23.00	60.00
L79+00N	47+20E	0.30	1.00	2.50	38.00	45.00	92.00
L79+00N	47+60E	0.10	1.00	2.50	17.00	20.00	43.00
L79+00N	48+00E	0.40	2.00	2.50	20.00	24.00	59.00
L79+00N	48+40E	0.80	1.00	2.50	50.00	65.00	100.00
L79+00N	48+80E	0.20	1.00	2.50	36.00	37.00	83.00
L79+00N	49+20E	0.20	3.00	2.50	53.00	28.00	64.00
L79+00N	49+60E	0.20	1.00	2.50	50.00	26.00	64.00
L79+00N	50+00E	0.30	2.00	2.50	40.00	27.00	83.00
L79+00N	50+40E	0.20	1.00	110.00	96.00	37.00	88.00
L79+00N	50+80E	0.20	5.00	2.50	20.00	16.00	43.00
L79+00N	51+20E	0.50	1.00	2.50	11.00	10.00	38.00
L79+00N	51+60E	0.40	1.00	2.50	21.00	15.00	40.00
L79+00N	52+00E	0.50	2.00	2.50	28.00	15.00	66.00
L79+00N	52+40E	0.40	7.00	5.00	16.00	15.00	40.00
L79+00N	52+80E	0.50	1.00	2.50	35.00	20.00	80.00
L79+00N	53+20E	0.70	1.00	10.00	34.00	12.00	136.00
L79+00N	53+60E	0.20	1.00	2.50	9.00	3.00	20.00
L79+00N	54+00E	0.40	1.00	10.00	16.00	6.00	76.00
L79+00N	54+40E	0.10	1.00	5.00	76.00	3.00	72.00
L79+00N	54+80E	0.20	1.00	2.50	27.00	3.00	74.00
L79+00N	55+20E	0.10	2.00	20.00	38.00	7.00	63.00
L79+00N	55+60E	0.20	1.00	2.50	19.00	9.00	40.00
L79+00N	56+00E	0.20	1.00	2.50	23.00	9.00	40.00
L79+00N	56+40E	0.10	3.00	2.50	26.00	5.00	38.00
L79+00N	56+80E	0.10	1.00	2.50	29.00	4.00	41.00
L79+00N	57+20E	0.20	1.00	2.50	23.00	2.00	43.00
L79+00N	57+60E	0.20	1.00	2.50	21.00	2.00	40.00
L79+00N	58+00E	0.20	1.00	15.00	27.00	6.00	45.00
L79+00N	58+40E	0.10	1.00	2.50	23.00	6.00	30.00
L79+00N	58+80E	0.20	1.00	2.50	10.00	6.00	31.00
L79+00N	59+20E	0.20	1.00	2.50	23.00	3.00	42.00
L79+00N	59+60E	0.20	10.00	2.50	51.00	4.00	51.00
L79+00N	60+00E	0.30	1.00	2.50	13.00	5.00	34.00
L79+00N	60+40E	0.30	1.00	2.50	90.00	7.00	72.00
L79+00N	60+80E	0.20	1.00	15.00	80.00	5.00	67.00
L79+00N	61+20E	0.10	1.00	15.00	46.00	5.00	42.00
L80+00N	45+20E	0.20	1.00	2.50	24.00	17.00	94.00
L80+00N	45+60E	0.10	2.00	2.50	15.00	24.00	60.00
L80+00N	46+00E	0.40	1.00	2.50	95.00	15.00	96.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L80+00N	46+40E	0.20	1.00	2.50	48.00	13.00	89.00
L80+00N	46+80E	0.70	1.00	2.50	36.00	64.00	186.00
L80+00N	47+20E	0.40	1.00	2.50	60.00	46.00	143.00
L80+00N	47+60E	0.80	1.00	2.50	78.00	37.00	145.00
L80+00N	48+00E	0.40	1.00	380.00	46.00	44.00	97.00
L80+00N	48+40E	0.50	1.00	2.50	82.00	48.00	103.00
L80+00N	48+80E	0.40	1.00	2.50	56.00	63.00	110.00
L80+00N	49+20E	0.20	1.00	15.00	17.00	20.00	51.00
L80+00N	50+40E	0.10	6.00	2.50	59.00	7.00	213.00
L80+00N	50+80E	0.30	1.00	2.50	54.00	45.00	90.00
L80+00N	51+20E	0.30	1.00	2.50	29.00	26.00	163.00
L80+00N	51+60E	0.10	1.00	5.00	12.00	9.00	42.00
L80+00N	52+00E	0.20	3.00	5.00	39.00	17.00	44.00
L80+00N	52+40E	0.20	1.00	2.50	39.00	18.00	48.00
L80+00N	53+20E	0.40	1.00	10.00	23.00	15.00	70.00
L80+00N	54+00E	0.20	1.00	10.00	9.00	12.00	23.00
L80+00N	54+40E	0.20	1.00	125.00	21.00	7.00	40.00
L80+00N	55+20E	0.20	1.00	5.00	22.00	7.00	43.00
L80+00N	55+60E	0.20	2.00	2.50	60.00	7.00	43.00
L80+00N	56+00E	0.10	1.00	2.50	21.00	6.00	35.00
L80+00N	56+40E	0.10	1.00	2.50	21.00	4.00	37.00
L80+00N	56+80E	0.10	1.00	2.50	30.00	6.00	51.00
L80+00N	57+20E	0.10	1.00	45.00	25.00	4.00	57.00
L80+00N	57+60E	0.10	1.00	20.00	29.00	5.00	64.00
L80+00N	58+00E	0.10	1.00	15.00	14.00	7.00	32.00
L80+00N	58+40E	0.30	1.00	15.00	18.00	4.00	35.00
L80+00N	58+80E	0.20	3.00	2.50	15.00	7.00	33.00
L80+00N	59+60E	0.10	1.00	5.00	40.00	6.00	47.00
L80+00N	60+00E	0.30	1.00	10.00	40.00	6.00	41.00
L81+00N	43+20E	0.10	2.00	2.50	12.00	11.00	24.00
L81+00N	43+60E	0.30	1.00	2.50	37.00	19.00	56.00
L81+00N	44+40E	0.50	1.00	30.00	21.00	16.00	60.00
L81+00N	44+80E	0.40	3.00	15.00	42.00	16.00	100.00
L81+00N	45+60E	0.20	1.00	40.00	156.00	10.00	84.00
L81+00N	46+00E	0.90	2.00	50.00	157.00	510.00	334.00
L81+00N	46+40E	0.60	3.00	250.00	50.00	50.00	103.00
L81+00N	46+80E	0.60	1.00	95.00	32.00	63.00	110.00
L81+00N	47+20E	0.60	1.00	15.00	98.00	80.00	132.00
L81+00N	47+60E	0.50	1.00	25.00	31.00	33.00	49.00
L81+00N	48+00E	0.30	1.00	55.00	52.00	53.00	94.00
L81+00N	48+40E	0.70	3.00	20.00	117.00	100.00	162.00
L81+00N	48+80E	0.70	1.00	15.00	41.00	34.00	119.00
L81+00N	50+40E	0.40	2.00	2.50	17.00	7.00	56.00
L81+00N	50+80E	0.80	1.00	2.50	38.00	23.00	37.00
L81+00N	51+20E	0.30	1.00	2.50	35.00	24.00	57.00
L81+00N	51+60E	0.20	1.00	2.50	17.00	18.00	32.00
L81+00N	52+00E	0.60	1.00	2.50	27.00	22.00	42.00
L81+00N	52+40E	0.40	1.00	2.50	32.00	12.00	50.00
L81+00N	53+20E	0.10	1.00	2.50	10.00	10.00	83.00
L81+00N	53+60E	0.30	3.00	2.50	22.00	11.00	40.00
L81+00N	54+00E	0.40	1.00	2.50	18.00	12.00	55.00
L81+00N	54+40E	0.40	1.00	2.50	37.00	4.00	62.00
L81+00N	54+80E	0.20	1.00	15.00	15.00	4.00	34.00
L81+00N	55+20E	0.30	1.00	2.50	27.00	4.00	76.00
L81+00N	55+60E	0.10	1.00	2.50	10.00	9.00	27.00
L81+00N	56+00E	0.20	1.00	2.50	17.00	3.00	43.00
L81+00N	56+40E	0.10	1.00	2.50	12.00	5.00	30.00
L81+00N	56+80E	0.20	1.00	2.50	27.00	5.00	46.00
L81+00N	57+20E	0.30	1.00	2.50	23.00	4.00	43.00
L81+00N	57+60E	0.20	1.00	2.50	18.00	2.00	35.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L81+00N	58+00E	0.10	3.00	2.50	14.00	4.00	33.00
L81+00N	58+40E	0.10	1.00	2.50	10.00	5.00	31.00
L81+00N	58+80E	0.10	1.00	2.50	22.00	3.00	38.00
L81+00N	59+20E	0.10	1.00	2.50	26.00	3.00	60.00
L81+00N	59+60E	0.10	1.00	2.50	19.00	7.00	45.00
L81+00N	60+00E	0.20	1.00	2.50	25.00	8.00	58.00
L81+00N	60+40E	0.20	1.00	2.50	42.00	3.00	50.00
L82+00N	44+00E	1.30	10.00	55.00	213.00	34.00	180.00
L82+00N	44+40E	1.20	2.00	20.00	66.00	27.00	136.00
L82+00N	44+80E	0.40	1.00	15.00	81.00	14.00	111.00
L82+00N	45+20E	0.40	1.00	2.50	81.00	10.00	92.00
L82+00N	46+00E	0.20	1.00	2.50	92.00	170.00	226.00
L82+00N	46+40E	1.00	1.00	70.00	25.00	51.00	70.00
L82+00N	46+80E	1.40	8.00	15.00	161.00	530.00	353.00
L82+00N	47+20E	1.10	2.00	2.50	33.00	36.00	75.00
L82+00N	48+00E	0.30	1.00	2.50	70.00	72.00	227.00
L82+00N	48+40E	0.20	1.00	30.00	14.00	17.00	40.00
L82+00N	48+80E	2.20	1.00	15.00	48.00	193.00	212.00
L82+00N	49+20E	0.50	4.00	30.00	59.00	68.00	127.00
L82+00N	49+60E	2.20	7.00	2.50	220.00	26.00	198.00
L82+00N	50+00E	1.00	1.00	20.00	166.00	160.00	220.00
L82+00N	50+40E	0.40	1.00	10.00	20.00	17.00	47.00
L82+00N	50+80E	2.00	1.00	2.50	42.00	58.00	205.00
L82+00N	51+20E	0.60	1.00	2.50	33.00	18.00	60.00
L82+00N	51+60E	1.00	1.00	2.50	94.00	12.00	51.00
L82+00N	52+40E	0.40	1.00	2.50	56.00	17.00	140.00
L82+00N	53+20E	0.20	1.00	2.50	74.00	22.00	70.00
L82+00N	53+65E	0.20	1.00	2.50	20.00	11.00	37.00
L82+00N	54+00E	0.20	1.00	2.50	24.00	10.00	60.00
L82+00N	54+80E	0.10	1.00	2.50	28.00	6.00	51.00
L82+00N	55+20E	0.10	1.00	2.50	45.00	7.00	50.00
L82+00N	55+60E	0.30	1.00	2.50	35.00	7.00	60.00
L82+00N	56+00E	0.20	1.00	2.50	18.00	10.00	31.00
L82+00N	56+40E	0.20	1.00	2.50	22.00	10.00	30.00
L82+00N	56+80E	0.10	1.00	2.50	33.00	7.00	56.00
L82+00N	57+20E	0.10	1.00	2.50	15.00	10.00	32.00
L82+00N	57+60E	0.20	1.00	2.50	12.00	9.00	33.00
L82+00N	58+00E	0.20	1.00	2.50	20.00	8.00	40.00
L82+00N	58+40E	0.20	1.00	2.50	17.00	8.00	33.00
L82+00N	58+80E	0.20	1.00	2.50	19.00	8.00	46.00
L82+00N	59+20E	0.20	2.00	2.50	23.00	6.00	51.00
L82+00N	59+60E	0.10	1.00	2.50	32.00	2.00	36.00
L83+00N	43+60E	0.10	1.00	2.50	14.00	13.00	39.00
L83+00N	44+00E	1.80	4.00	55.00	34.00	13.00	83.00
L83+00N	44+40E	1.60	6.00	2.50	52.00	13.00	27.00
L83+00N	44+80E	0.60	1.00	2.50	28.00	9.00	71.00
L83+00N	45+20E	0.10	1.00	2.50	20.00	20.00	77.00
L83+00N	46+00E	0.20	1.00	2.50	27.00	23.00	90.00
L83+00N	46+40E	0.70	1.00	2.50	80.00	246.00	157.00
L83+00N	46+80E	1.30	1.00	2.50	195.00	560.00	450.00
L83+00N	47+60E	0.70	5.00	2.50	74.00	33.00	110.00
L83+00N	48+00E	0.60	3.00	45.00	37.00	31.00	144.00
L83+00N	48+40E	0.10	7.00	40.00	36.00	30.00	91.00
L83+00N	48+80E	0.70	7.00	35.00	35.00	34.00	98.00
L83+00N	49+20E	0.80	1.00	10.00	25.00	92.00	114.00
L83+00N	49+60E	0.20	7.00	150.00	12.00	9.00	154.00
L83+00N	50+00E	1.50	14.00	2.50	176.00	88.00	840.00
L83+00N	50+40E	0.10	1.00	5.00	9.00	7.00	18.00
L83+00N	50+80E	0.20	1.00	2.50	45.00	45.00	160.00
L83+00N	51+20E	0.20	6.00	2.50	16.00	11.00	45.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L83+00N	51+60E	0.50	1.00	2.50	27.00	24.00	73.00
L83+00N	52+00E	0.30	1.00	2.50	25.00	22.00	112.00
L83+00N	53+20E	0.30	3.00	2.50	38.00	14.00	102.00
L83+00N	53+60E	0.20	1.00	2.50	13.00	8.00	38.00
L83+00N	53+90E	0.40	2.00	2.50	50.00	11.00	48.00
L83+00N	54+40E	0.10	4.00	2.50	26.00	7.00	42.00
L83+00N	54+80E	0.20	1.00	2.50	42.00	10.00	40.00
L83+00N	55+20E	0.10	1.00	2.50	15.00	10.00	22.00
L83+00N	55+60E	0.10	1.00	2.50	53.00	7.00	50.00
L83+00N	56+00E	0.10	1.00	2.50	12.00	8.00	23.00
L83+00N	56+40E	0.10	1.00	2.50	12.00	7.00	32.00
L83+00N	60+00E	0.10	1.00	2.50	45.00	7.00	47.00
L84+00N	44+40E	0.20	4.00	2.50	54.00	21.00	120.00
L84+00N	44+80E	0.30	2.00	2.50	144.00	16.00	112.00
L84+00N	45+60E	0.40	1.00	2.50	22.00	17.00	62.00
L84+00N	46+00E	0.30	4.00	2.50	32.00	18.00	58.00
L84+00N	46+20E	5.10	3.00	55.00	90.00	1800.00	224.00
L84+00N	46+80E	1.40	8.00	15.00	80.00	280.00	450.00
L84+00N	47+20E	0.90	15.00	840.00	64.00	80.00	258.00
L84+00N	47+60E	0.90	4.00	2.50	37.00	28.00	100.00
L84+00N	48+00E	0.70	1.00	2.50	52.00	16.00	77.00
L84+00N	48+40E	0.60	3.00	2.50	62.00	70.00	107.00
L84+00N	48+80E	0.70	5.00	125.00	41.00	47.00	97.00
L84+00N	49+20E	0.80	12.00	45.00	60.00	140.00	145.00
L84+00N	49+60E	0.60	25.00	100.00	127.00	94.00	395.00
L84+00N	50+00E	0.20	4.00	2.50	72.00	61.00	120.00
L84+00N	50+40E	0.90	1.00	2.50	62.00	36.00	174.00
L84+00N	50+80E	0.80	1.00	45.00	47.00	187.00	372.00
L84+00N	51+20E	0.20	1.00	30.00	47.00	27.00	123.00
L84+00N	51+60E	0.20	1.00	2.50	28.00	21.00	82.00
L84+00N	52+00E	3.00	1.00	80.00	37.00	178.00	340.00
L84+00N	52+40E	0.30	1.00	2.50	31.00	12.00	255.00
L84+00N	53+60E	0.50	1.00	2.50	22.00	10.00	37.00
L84+00N	54+00E	0.20	2.00	10.00	54.00	10.00	58.00
L84+00N	54+40E	0.30	1.00	2.50	15.00	7.00	29.00
L84+00N	54+80E	0.20	2.00	2.50	22.00	8.00	31.00
L84+00N	55+20E	0.10	4.00	70.00	21.00	4.00	32.00
L84+00N	55+60E	0.20	1.00	2.50	23.00	5.00	37.00
L84+00N	56+00E	0.10	1.00	2.50	4.00	8.00	23.00
L84+00N	56+40E	0.30	1.00	2.50	15.00	6.00	36.00
L84+00N	56+80E	0.10	1.00	2.50	13.00	8.00	28.00
L84+00N	57+20E	0.10	8.00	2.50	53.00	4.00	55.00
L84+00N	57+60E	0.10	1.00	2.50	32.00	3.00	56.00
L84+00N	58+00E	0.10	4.00	2.50	34.00	3.00	46.00
L84+00N	58+40E	0.30	1.00	2.50	20.00	7.00	50.00
L84+00N	58+80E	0.90	2.00	2.50	12.00	10.00	43.00
L84+00N	59+20E	0.20	4.00	2.50	32.00	3.00	52.00
L84+00N	59+60E	0.20	1.00	2.50	14.00	9.00	38.00
L84+00N	60+00E	0.10	1.00	2.50	17.00	4.00	33.00
L84+00N	60+40E	0.10	1.00	2.50	16.00	4.00	50.00
L84+00N	60+80E	0.10	1.00	2.50	15.00	4.00	40.00
L85+00N	42+00E	0.10	4.00	2.50	96.00	11.00	46.00
L85+00N	42+40E	0.10	3.00	2.50	18.00	12.00	36.00
L85+00N	42+80E	0.10	1.00	2.50	22.00	11.00	34.00
L85+00N	43+20E	0.80	1.00	2.50	20.00	8.00	41.00
L85+00N	43+60E	0.90	1.00	2.50	26.00	22.00	96.00
L85+00N	44+00E	1.60	1.00	2.50	40.00	6.00	60.00
L85+00N	44+80E	0.10	4.00	2.50	54.00	12.00	83.00
L85+00N	45+20E	1.00	1.00	10.00	130.00	100.00	213.00
L85+00N	45+60E	0.80	6.00	2.50	22.00	18.00	104.00

BRANDYWINE 1988-89 SOIL GEOCHEMISTRY RESULTS

NORTH	EAST	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L85+00N	46+00E	1.20	2.00	2.50	100.00	72.00	96.00
L85+00N	46+40E	0.60	1.00	2.50	87.00	34.00	170.00
L85+00N	46+80E	0.30	1.00	150.00	15.00	8.00	118.00
L85+00N	47+20E	0.40	1.00	25.00	36.00	13.00	80.00
L85+00N	47+60E	0.40	2.00	50.00	60.00	20.00	110.00
L85+00N	48+00E	0.30	4.00	2.50	70.00	22.00	124.00
L85+00N	48+40E	0.50	5.00	100.00	60.00	200.00	280.00
L85+00N	48+80E	1.60	2.00	20.00	43.00	118.00	500.00
L85+00N	49+20E	0.50	14.00	135.00	145.00	330.00	357.00
L85+00N	49+60E	1.00	17.00	95.00	68.00	200.00	240.00
L85+00N	50+00E	0.10	1.00	2.50	183.00	15.00	710.00
L85+00N	50+40E	0.10	1.00	2.50	6.00	30.00	32.00
L85+00N	51+20E	0.30	1.00	2.50	22.00	47.00	153.00
L85+00N	51+60E	0.60	2.00	2.50	45.00	20.00	53.00
L85+00N	52+00E	0.30	1.00	2.50	5.00	10.00	37.00
L85+00N	52+80E	0.30	4.00	2.50	12.00	16.00	31.00
L85+00N	53+20E	0.20	1.00	2.50	56.00	15.00	60.00
L85+00N	53+60E	0.20	9.00	2.50	80.00	20.00	65.00
L85+00N	54+00E	0.40	4.00	2.50	85.00	20.00	71.00
L85+00N	54+40E	0.10	4.00	2.50	27.00	20.00	60.00
L85+00N	54+80E	0.30	1.00	2.50	11.00	10.00	53.00
L85+00N	55+20E	0.20	1.00	2.50	20.00	13.00	33.00
L85+00N	55+60E	0.10	6.00	2.50	14.00	11.00	30.00
L85+00N	56+00E	0.10	11.00	2.50	27.00	6.00	51.00
L85+00N	56+40E	0.10	7.00	2.50	37.00	5.00	38.00
L85+00N	57+60E	0.20	2.00	2.50	14.00	6.00	32.00
L85+00N	58+00E	0.20	1.00	2.50	22.00	4.00	41.00
L85+00N	58+40E	0.10	1.00	2.50	33.00	3.00	51.00
L85+00N	58+80E	0.10	1.00	2.50	33.00	5.00	50.00
L85+00N	59+20E	0.10	1.00	2.50	37.00	6.00	43.00
L85+00N	59+60E	0.20	1.00	2.50	27.00	7.00	64.00
L85+00N	60+00E	0.40	1.00	2.50	30.00	6.00	51.00
L85+00N	60+00E	0.40	1.00	2.50	56.00	7.00	86.00
L85+00N	60+40E	0.20	1.00	2.50	30.00	6.00	61.00
L85+00N	61+60E	0.10	1.00	2.50	9.00	6.00	22.00

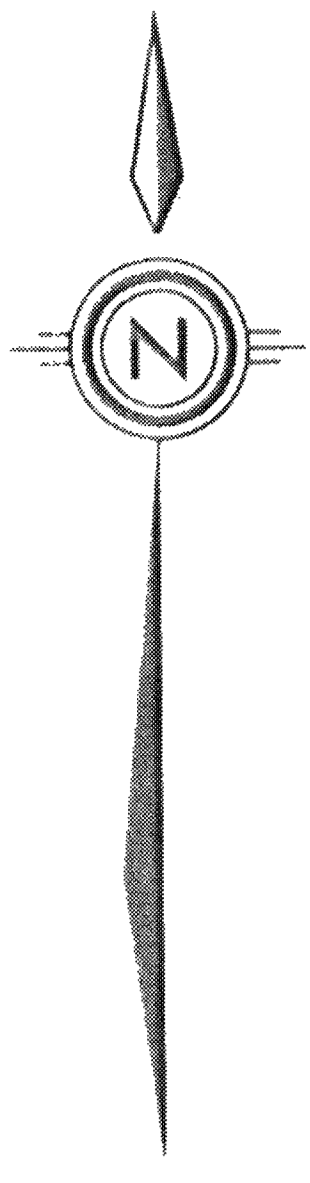
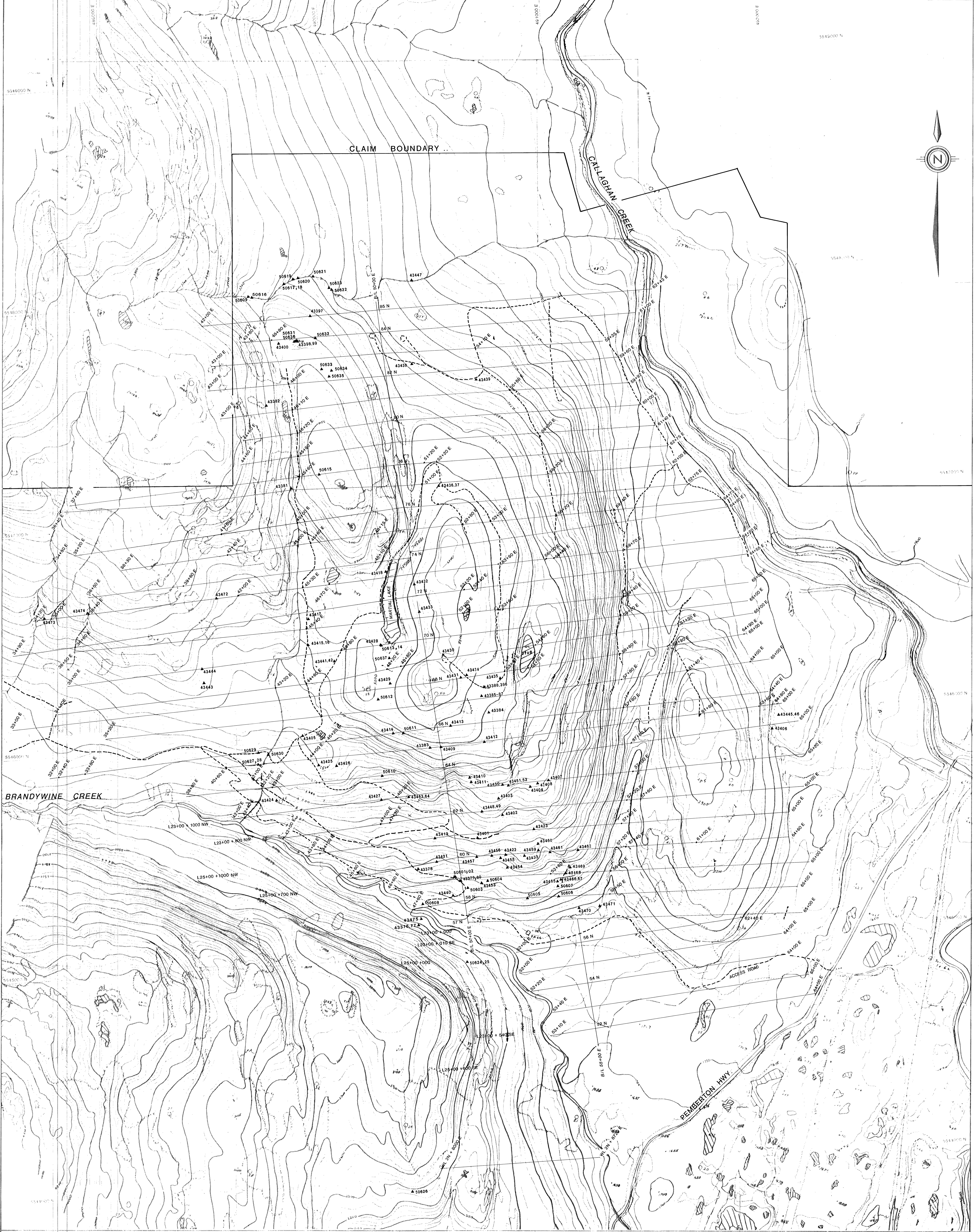
APPENDIX 2 (b)
SOIL GEOCHEMICAL RESULTS:
RECONNAISSANCE

BRANDYWINE SOUTH SIDE SOIL GEOCHEMISTRY RESULTS

LINE	SITE	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
WL1N	80+00E	1.30	17.00	20.00	45.00	46.00	155.00
WL1N	80+80E	0.20	4.00	10.00	5.00	13.00	107.00
WL1N	81+20E	0.50	5.00	15.00	13.00	9.00	55.00
WL1N	81+60E	2.10	19.00	35.00	44.00	19.00	81.00
WL1N	82+00E	1.20	23.00	50.00	92.00	30.00	260.00
WL1N	82+80E	0.10	1.00	20.00	18.00	12.00	48.00
WL1N	83+20E	0.10	4.00	30.00	21.00	12.00	39.00
WL1N	83+60E	0.10	1.00	25.00	22.00	17.00	112.00
WL1N	84+00E	0.10	5.00	15.00	10.00	8.00	31.00
WL1N	84+40E	0.20	4.00	20.00	25.00	8.00	50.00
WL1N	84+80E	1.20	5.00	35.00	65.00	41.00	176.00
WL1N	85+60E	1.30	17.00	15.00	113.00	21.00	190.00
WL1N	86+00E	0.10	3.00	10.00	4.00	5.00	36.00
WL1N	86+40E	0.20	2.00	10.00	15.00	7.00	42.00
WL1N	86+80E	0.10	2.00	10.00	9.00	6.00	40.00
WL1N	87+20E	0.20	1.00	5.00	28.00	9.00	68.00
WL1N	87+60E	0.10	5.00	15.00	15.00	11.00	84.00
WL2N	80+00E	0.40	9.00	100.00	12.00	11.00	60.00
WL2N	80+80E	0.40	13.00	75.00	23.00	24.00	94.00
WL2N	81+20E	0.20	13.00	65.00	26.00	27.00	98.00
WL2N	81+60E	0.50	19.00	125.00	58.00	32.00	103.00
WL2N	82+00E	1.00	13.00	45.00	20.00	24.00	112.00
WL2N	82+40E	0.10	11.00	60.00	18.00	45.00	128.00
WL2N	82+80E	0.10	1.00	40.00	37.00	7.00	77.00
WL2N	83+20E	0.10	2.00	25.00	9.00	11.00	40.00
WL2N	83+60E	0.50	9.00	20.00	40.00	11.00	71.00
WL2N	84+00E	0.20	1.00	15.00	26.00	6.00	67.00
WL2N	84+40E	0.10	6.00	15.00	15.00	8.00	61.00
WL2N	84+80E	0.10	6.00	15.00	10.00	8.00	48.00
WL2N	85+20E	0.10	9.00	25.00	8.00	7.00	35.00
WL2N	85+60E	0.10	5.00	30.00	11.00	10.00	78.00
WL2N	86+40E	0.80	4.00	25.00	20.00	19.00	205.00
WL2N	86+80E	0.10	14.00	15.00	4.00	2.00	15.00
WL2N	87+20E	0.10	3.00	15.00	14.00	5.00	34.00
L23+00	0+20SE	0.20	3.00	20.00	25.00	4.00	30.00
L23+00	0+40NW	0.20	4.00	2.50	16.00	6.00	27.00
L23+00	0+60SE	0.10	4.00	15.00	13.00	4.00	26.00
L23+00	0+80NW	0.30	1.00	2.50	20.00	12.00	46.00
L23+00	1+00SE	0.10	8.00	25.00	27.00	8.00	44.00
L23+00	1+20NW	0.20	5.00	2.50	21.00	4.00	30.00
L23+00	1+40SE	0.10	2.00	30.00	12.00	16.00	143.00
L23+00	1+60NW	0.20	4.00	2.50	24.00	4.00	42.00
L23+00	1+80SE	0.10	2.00	15.00	20.00	6.00	41.00
L23+00	2+00NW	0.10	5.00	2.50	20.00	4.00	28.00
L23+00	2+20SE	0.10	1.00	15.00	15.00	6.00	75.00
L23+00	2+40NW	0.20	3.00	2.50	20.00	7.00	45.00
L23+00	2+60SE	0.20	9.00	10.00	30.00	23.00	117.00
L23+00	2+80NW	0.30	3.00	2.50	21.00	5.00	39.00
L23+00	3+00SE	1.70	30.00	20.00	26.00	121.00	265.00
L23+00	3+20NW	0.10	4.00	2.50	36.00	4.00	56.00
L23+00	3+40SE	0.40	17.00	2.50	12.00	62.00	218.00
L23+00	3+60NW	0.10	1.00	2.50	13.00	3.00	42.00
L23+00	4+00NW	0.10	1.00	2.50	17.00	5.00	20.00
L23+00	4+20SE	1.40	5.00	2.50	28.00	195.00	410.00
L23+00	4+40NW	0.40	2.00	2.50	21.00	7.00	33.00
L23+00	4+60SE	4.20	27.00	90.00	71.00	139.00	280.00
L23+00	4+80NW	0.20	1.00	25.00	22.00	2.00	31.00
L23+00	5+00SE	1.50	800.00	35.00	74.00	60.00	212.00
L23+00	5+20NW	0.30	1.00	10.00	25.00	8.00	121.00
L23+00	5+40SE	0.30	11.00	20.00	14.00	20.00	84.00

BRANDYWINE SOUTH SIDE SOIL GEOCHEMISTRY RESULTS

LINE	SITE	AG (PPM)	AS (PPM)	AU1 (PPB)	CU (PPM)	PB (PPM)	ZN (PPM)
L23+00	5+60NW	0.10	1.00	2.50	16.00	5.00	30.00
L23+00	6+00NW	0.40	3.00	2.50	22.00	6.00	26.00
L23+00	6+40NW	0.20	1.00	2.50	24.00	5.00	36.00
L23+00	6+80NW	0.40	1.00	2.50	36.00	6.00	47.00
L23+00	7+20NW	0.30	5.00	10.00	23.00	5.00	27.00
L23+00	7+60NW	0.10	1.00	10.00	29.00	5.00	31.00
L23+00	8+00NW	0.10	6.00	2.50	22.00	6.00	40.00
L23+00	8+40NW	0.20	1.00	5.00	23.00	7.00	44.00
L23+00	8+80NW	0.10	4.00	2.50	18.00	5.00	38.00
L23+00	9+20NW	0.10	6.00	2.50	14.00	4.00	24.00
L23+00	9+60NW	0.10	5.00	2.50	16.00	5.00	27.00
L23+00	10+00NW	0.10	3.00	2.50	17.00	4.00	21.00
L25+00	0+00NW	0.10	2.00	2.50	45.00	14.00	81.00
L25+00	0+40NW	0.30	1.00	180.00	38.00	20.00	56.00
L25+00	0+80NW	0.20	1.00	2.50	32.00	22.00	34.00
L25+00	0+80SE	0.10	1.00	10.00	10.00	4.00	28.00
L25+00	1+20NW	0.10	3.00	2.50	25.00	14.00	57.00
L25+00	1+20SE	2.10	8.00	75.00	46.00	85.00	530.00
L25+00	1+60NW	0.40	6.00	2.50	71.00	16.00	63.00
L25+00	1+60SE	1.00	36.00	15.00	36.00	293.00	760.00
L25+00	2+00SE	1.60	8.00	25.00	58.00	122.00	183.00
L25+00	2+40NW	0.20	8.00	2.50	160.00	5.00	80.00
L25+00	2+40SE	4.00	12.00	60.00	43.00	36.00	174.00
L25+00	2+80NW	0.10	4.00	2.50	43.00	8.00	51.00
L25+00	2+80SE	0.70	7.00	30.00	26.00	14.00	188.00
L25+00	3+20NW	0.10	9.00	2.50	44.00	9.00	44.00
L25+00	3+20SE	2.60	17.00	25.00	45.00	92.00	306.00
L25+00	3+60NW	0.40	49.00	40.00	8.00	43.00	58.00
L25+00	3+60SE	1.30	1.00	100.00	32.00	56.00	176.00
L25+00	4+00SE	0.30	13.00	10.00	12.00	15.00	67.00
L25+00	4+40SE	1.10	12.00	15.00	26.00	13.00	76.00
L25+00	4+80SE	1.10	11.00	20.00	26.00	11.00	76.00
L25+00	5+20SE	3.50	34.00	25.00	37.00	26.00	96.00
L25+00	5+60NW	0.20	1.00	10.00	13.00	7.00	28.00
L25+00	5+60SE	2.10	80.00	5.00	55.00	16.00	81.00
L25+00	6+00NW	0.40	1.00	2.50	12.00	14.00	97.00
L25+00	6+00SE	8.00	15.00	15.00	13.00	21.00	40.00
L25+00	7+20NW	0.80	4.00	2.50	15.00	24.00	42.00
L25+00	7+60NW	2.10	3.00	5.00	47.00	38.00	146.00
L25+00	8+00NW	0.30	1.00	15.00	16.00	19.00	46.00
L25+00	8+40NW	0.20	3.00	2.50	29.00	7.00	22.00
L25+00	9+60NW	0.10	1.00	25.00	43.00	12.00	47.00
L25+10	5+60NW	0.20	1.00	2.50	15.00	8.00	33.00



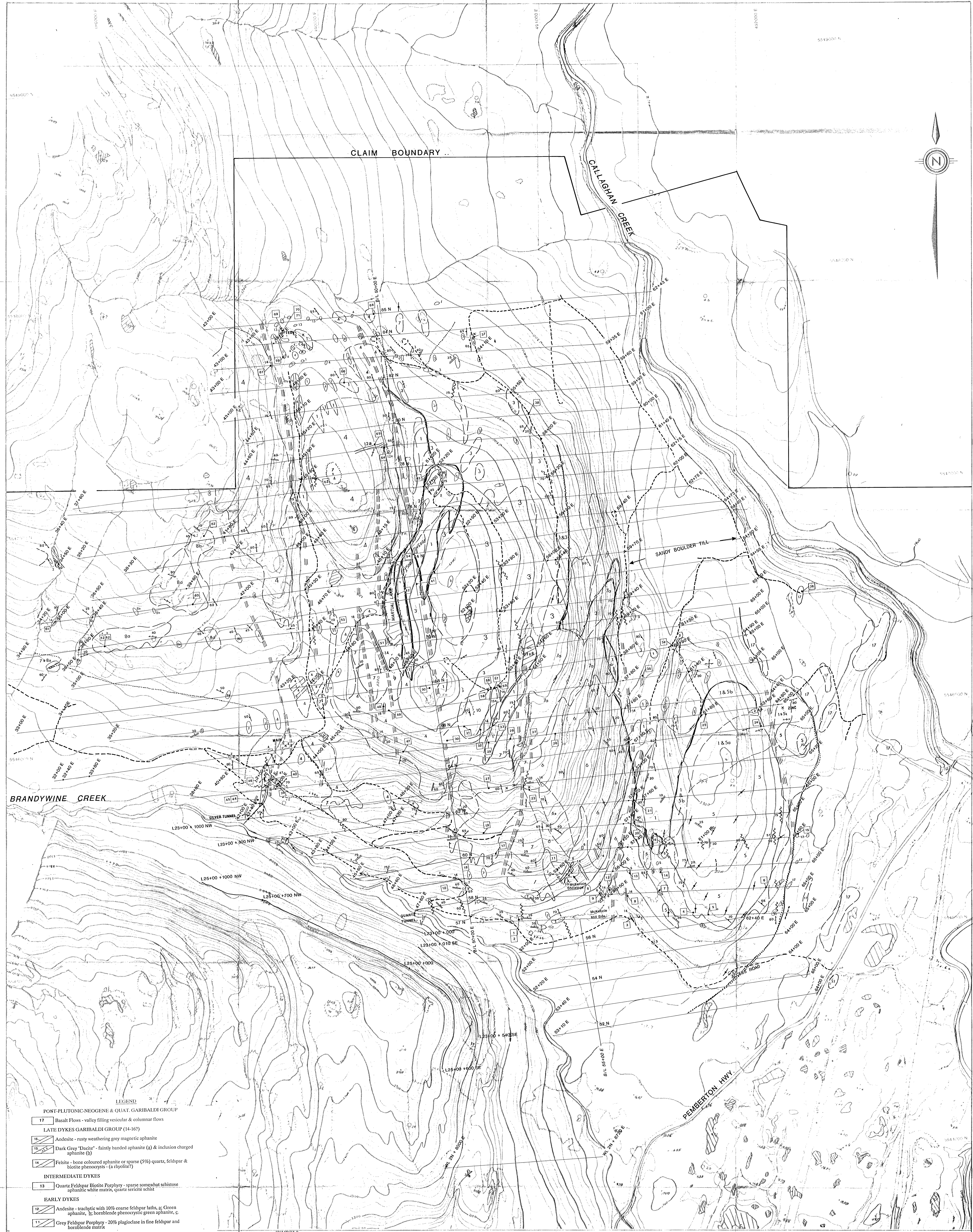
NOTE
 TOPOGRAPHY SUPPLIED BY WESTERN GEOLOGICAL BRANCH
 DIMENSIONS APPROXIMATE FROM 1:50,000 SCALE ASSESSMENT REPORT

▲ 50616 ROCK SAMPLE LOCATION

20,047

FIGURE 4

DPLACER DOME INC.	
BRANDYWINE PROPERTY 233	
SAMPLE LOCATION MAP	
DRAWN: HRS	
DATE: APRIL 89	
SCALE: 1:5000	
REVISED: AUG. 89	FILE N. NORTH SHEET



- LEGEND**
- POST-PLUTONIC-NEOGENE & QUAT. GARIBALDI GROUP**
- 17 Basalt Flows - valley filling vesicular & columnar flows
- LATE DYKES GARIBALDI GROUP (14-16)**
- 16 Andesite - rusty weathering grey magnetic aphanite
 - 15 Dark Grey "Dacite" - faintly banded aphanite (a) & inclusion charged aphanite (b)
 - 14 Felsite - bone coloured aphanite or sparse (5%) quartz, feldspar & biotite phenocrysts - (a rhyolite?)
- INTERMEDIATE DYKES**
- 13 Quartz Feldspar Biotite Porphyry - sparse somewhat schistose aphanite white matrix, quartz sericite schist
- EARLY DYKES**
- 12 Andesite - trachytic with 10% coarse feldspar laths, a: Green aphanite, b: hornblende phenocrysts green aphanite, c: Grey Feldspar Porphyry - 20% plagioclase in fine feldspar and hornblende matrix
 - 11 Grey Feldspar Porphyry - 20% plagioclase in fine feldspar and hornblende matrix
- PLUTONIC ROCKS, COAST PLUTONIC COMPLEX (3-9)**
- 10 Aplitic Granite - buff weathering white fine sugary granite, >40% quartz, 5% biotite
 - 9 Granite - variably coarse, white weathering granite with graphic clots
 - 8 Mixed Gneiss - Sa: mafic gneiss, Sb: felsic gneiss, pegmatite & quartz, Sc
 - 7 Granodiorite - medium to fine medium, white weathering granodiorite with 20-25% quartz, Ta fine granodiorite
 - 6 Porphyritic Diorite - lathy crowded plagioclase porphyry diorite with fine mafic rich matrix, Sa migmatite
 - 5 Hornblende Quartz Diorite - fine to fine medium quartz diorite or quartz bearing diorite (5-15% quartz), Sa migmatite Sb - quartzite
 - 4 Hornblende Diorite - medium & fine, equigranular diorite
 - 3 Hybrid Diorite - variable textured, inclusion charged diorite
- PRE-PLUTONIC ROCKS - GAMBIER GR?**
- 2 Limestone - marble, skarn
 - 1 Greenstone - meta greenstone, amphibolite, green schist mafic gneiss

- SYMBOLS**
- S1, Flow Foliation, Igneous Rocks
 - S1, Bedding, Volcanic & Sed. Rocks
 - S2, All Rocks
 - Joins
 - Veins
 - Flow Direction
 - Minor Fault, Dip, Striae
 - Shear Fault, Defined
 - Shear, Approximate
 - Showing
 - Geological Contact Projected
 - Approximate
 - Outcrop
 - Outcrop Area
 - Road
 - Specimen No. & Location

NOTE

PROPERTY OWNED BY DPLACER DOME INC. GEOLOGICAL BRANCH ASSESSMENT REPORT

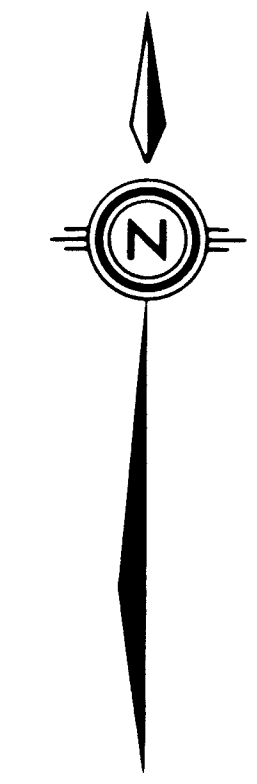
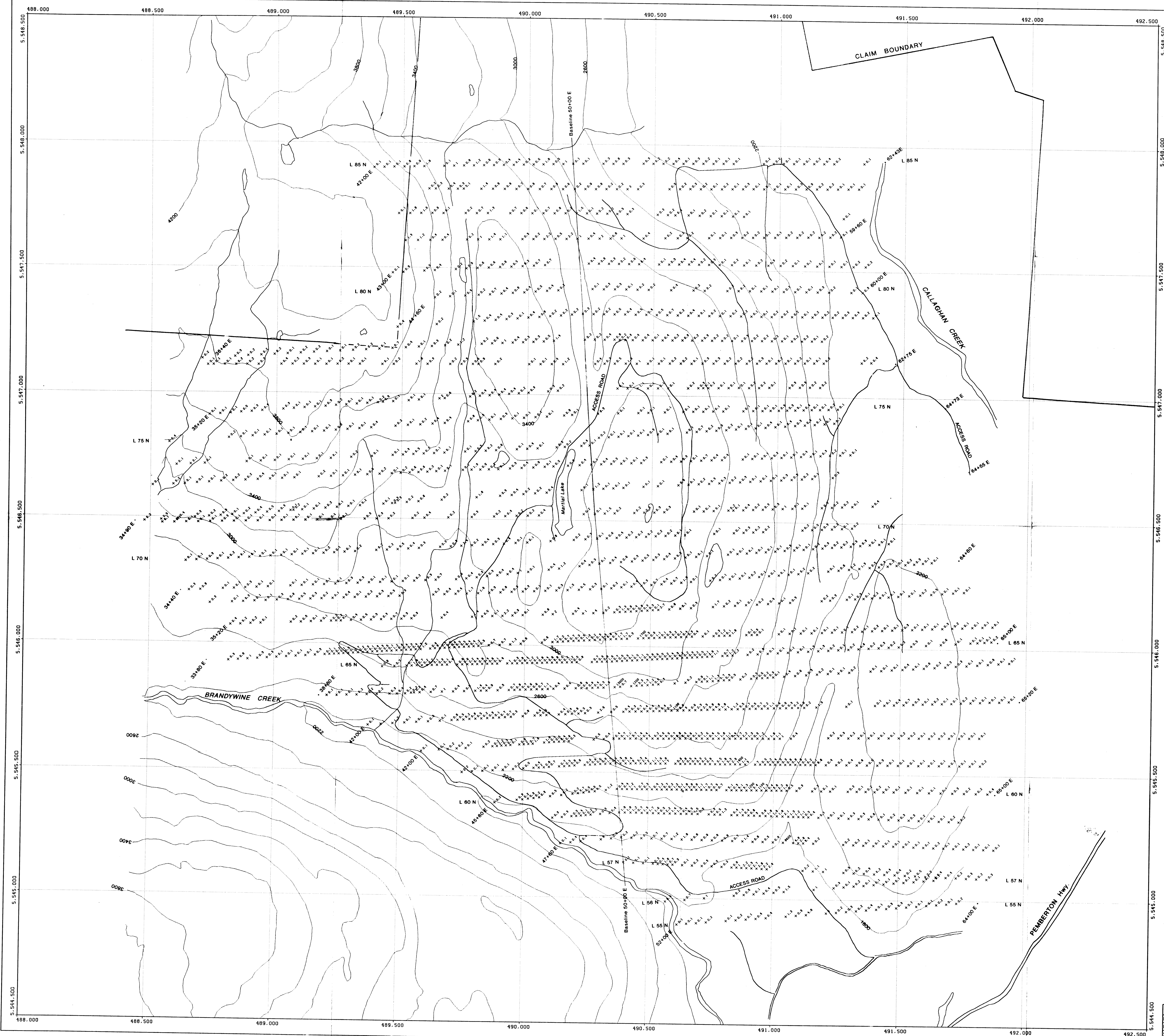
20,047

FIGURE 5

DPLACER DOME INC.
BRANDYWINE PROPERTY 233

GEOLOGY

DRAWN: HRG
DATE: APRIL 89
SCALE: 1:5000
REVISED: JULY 89
FILE NO: NORTH SHEET



DATA PLOTTED ON THIS MAP:
 DIRECTORY: S:\EXPL\BRANDYWINE\GCHM

FIELD FILE
 + POINTS: AG BH, SOILUM
 SEG ROAD
 SEG STREAM
 SEG LAKE
 SEG ELEV

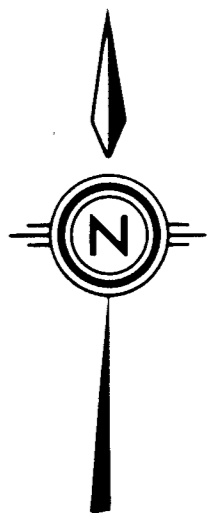
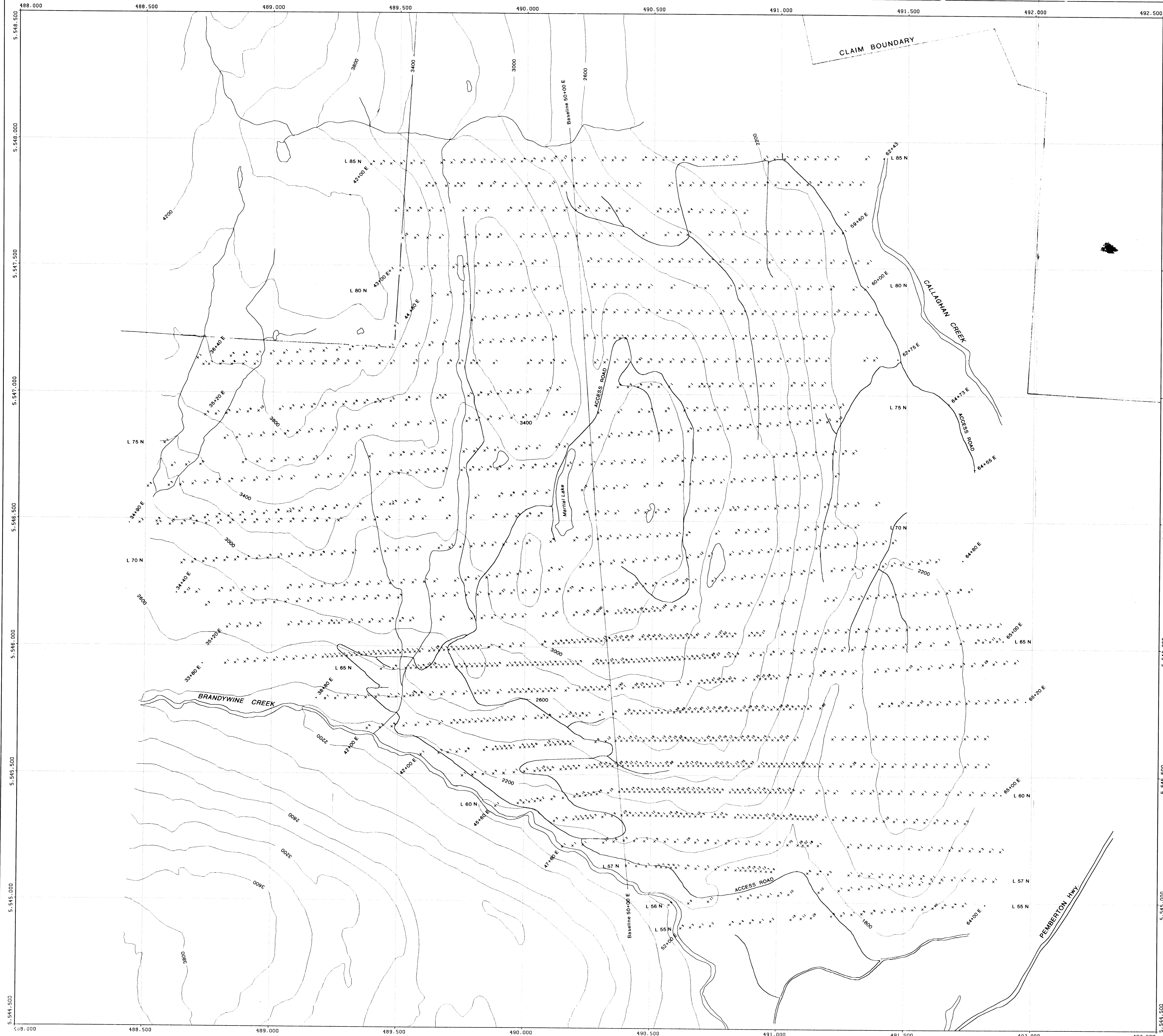
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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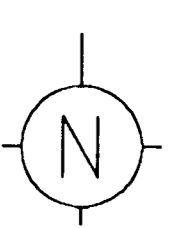
DRAWN GRH		PLACER DOME INC.	
DATE 89:08:29		BRANDYWINE SOIL GEOCHEMISTRY	
SCALE 1:5000		AG (PPM)	
NO.		PLATE	

FIGURE 6



DATA PLOTTED ON THIS MAP:
 DIRECTORY: 8EXPL/BRANDYWINE/GCHM

POINTS	FIELD	FILE
+	AS	BW_SOILUM
—	SEG	ROAD
—	SEG	STREAM
—	SEG	LAKE
—	SEG	ELEV

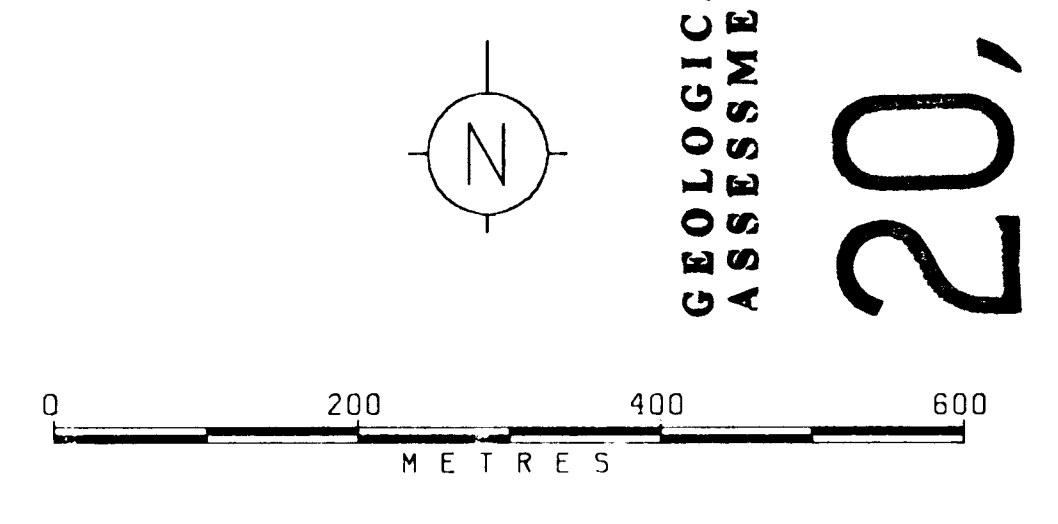
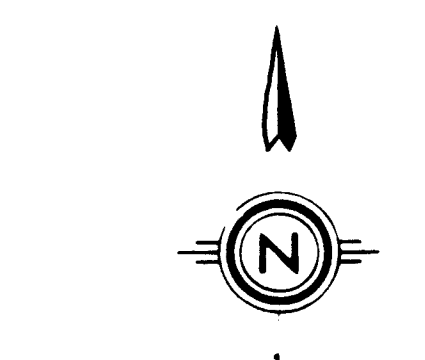
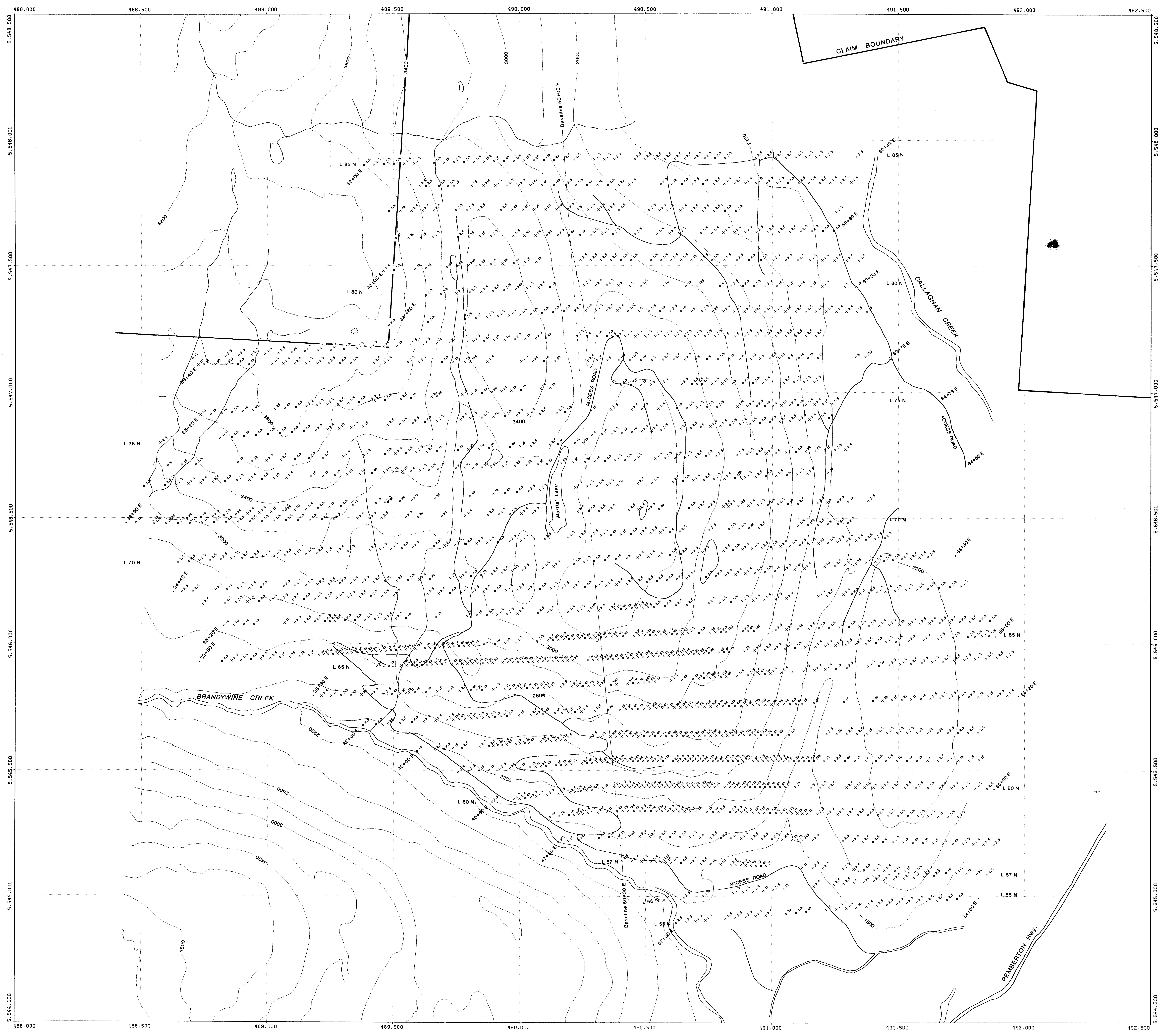


GEOLOGICAL BRANCH
ASSESSMENT REPORT
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DRAWN		GRH	BRANDYWINE SOIL GEOCHEMISTRY	
DATE		89:08:29	AS (PPM)	
SCALE		1:5000		
NO.			PLATE	

FIGURE 7

PLACER DOME INC.



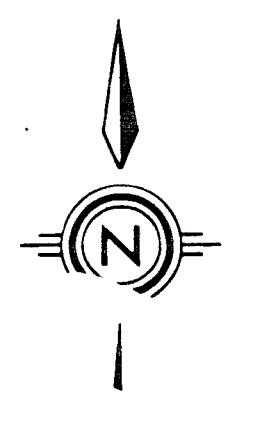
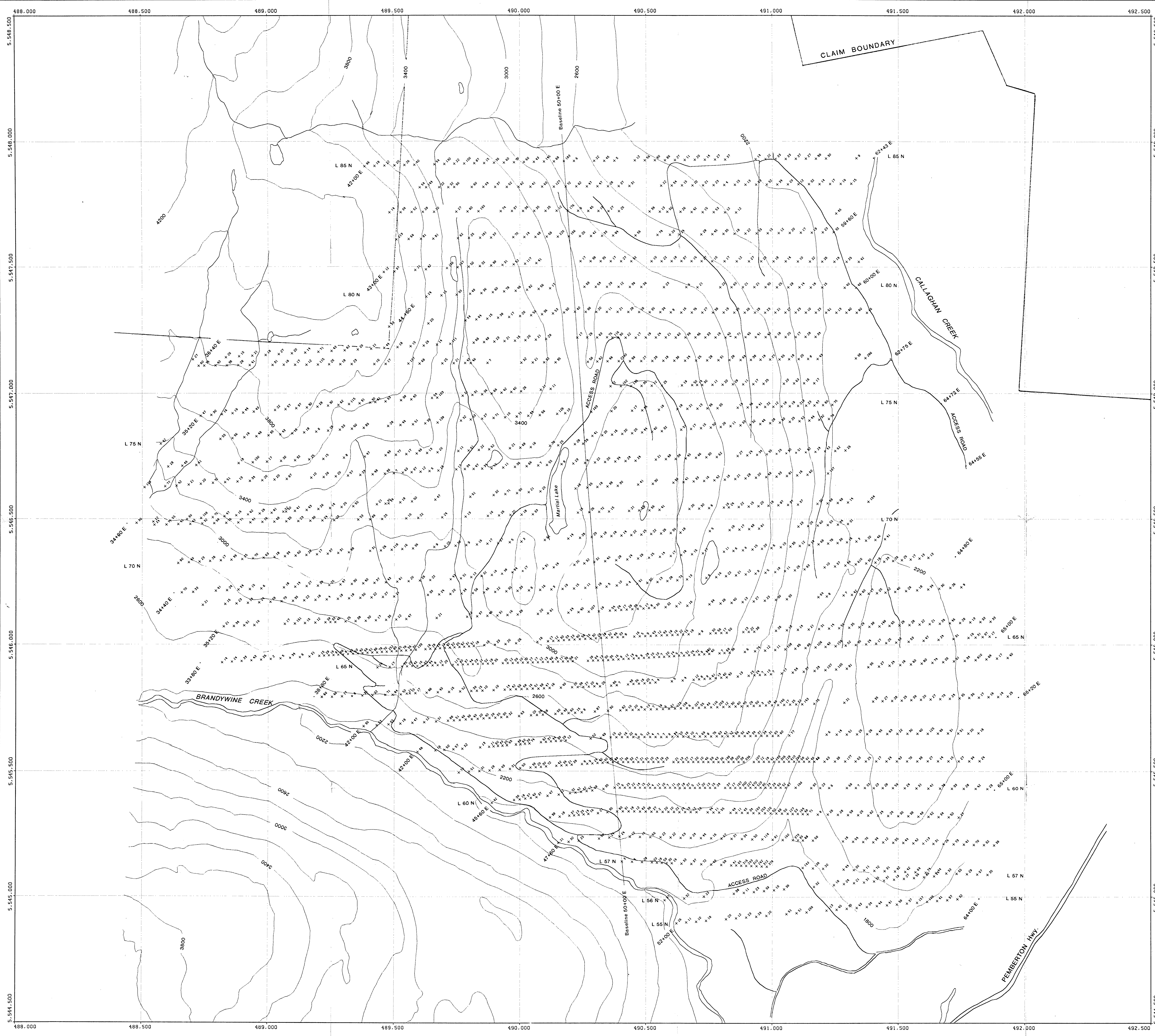
DATA PLOTTED ON THIS MAP:
 DIRECTORY: 8EXPL/BRANDYWINE/GCHM

+	POINTS:	FIELD	FILE
+	RU1	BM	SOILUTM
—	SEC	ROAD	STREIM
—	SEC	LAKE	ELEV
—	SEC		

GEOLOGICAL BRANCH
ASSESSMENT REPORT

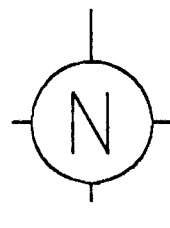
20,047

FIGURE 8	
PLACER DOME INC.	
DRAWN GRH	BRANDYWINE SOIL GEOCHEMISTRY
DATE 89:08:29	RU1 (PPB)
SCALE 1:5000	
NO.	PLATE



DATA PLOTTED ON THIS MAP:
 DIRECTORY: ZEXPL/BRANDYWINE/GCHM

POINTS	FIELD	FILE
+	CU	BW_SOILUTM
—	SEC	ROAD
—	SEC	STREAM
—	SEC	LAKE
—	SEC	ELEV

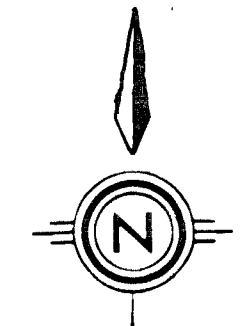
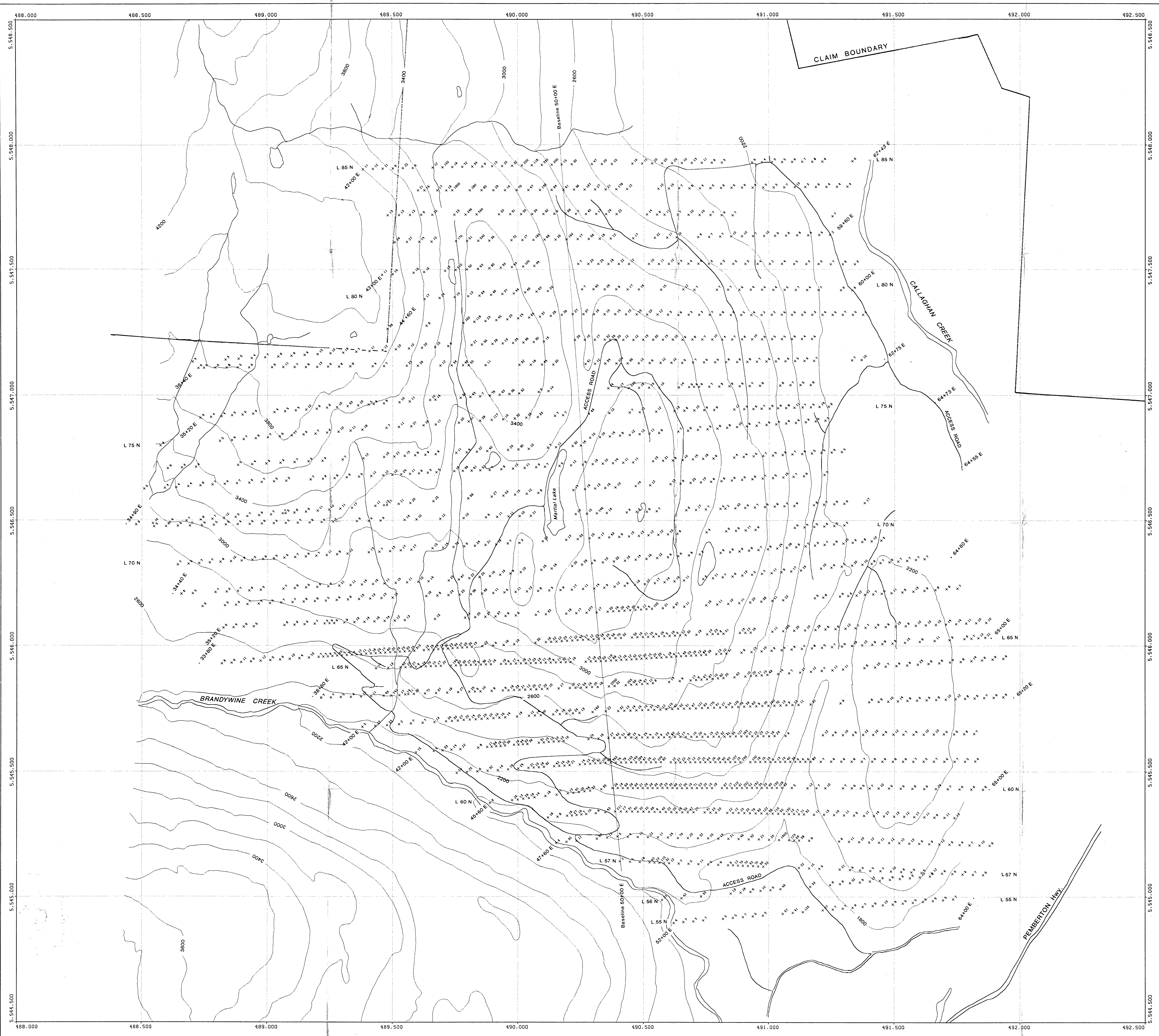


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DRAWN GRM		BRANDYWINE SOIL GEOCHEMISTRY	
DATE 09:08:29		CU (PPM)	
SCALE 1:5000		PLATE	
NO.		PLATE	

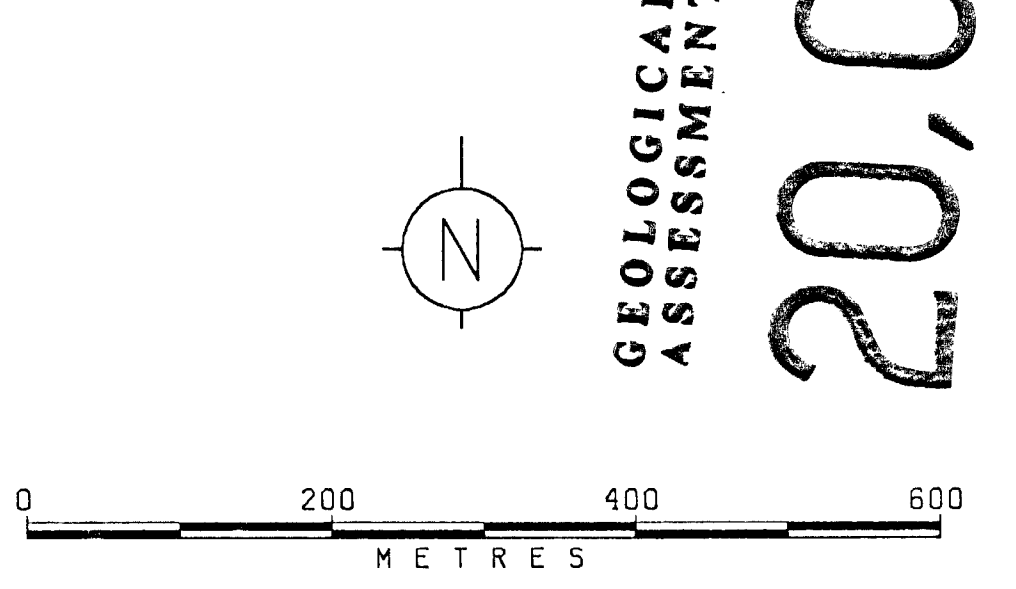
FIGURE 9

PLACER DOME INC.



DATA PLOTTED ON THIS MAP:
 DIRECTORY: \EXPL\BRANDYWINE\GCHM

+	POINTS:	FIELD	FILE
+	PB	BW_SOILUM	
—	SEC	ROAD	
—	SEC	STREAM	
—	SEC	LAKE	
—	SEC	ELEV	

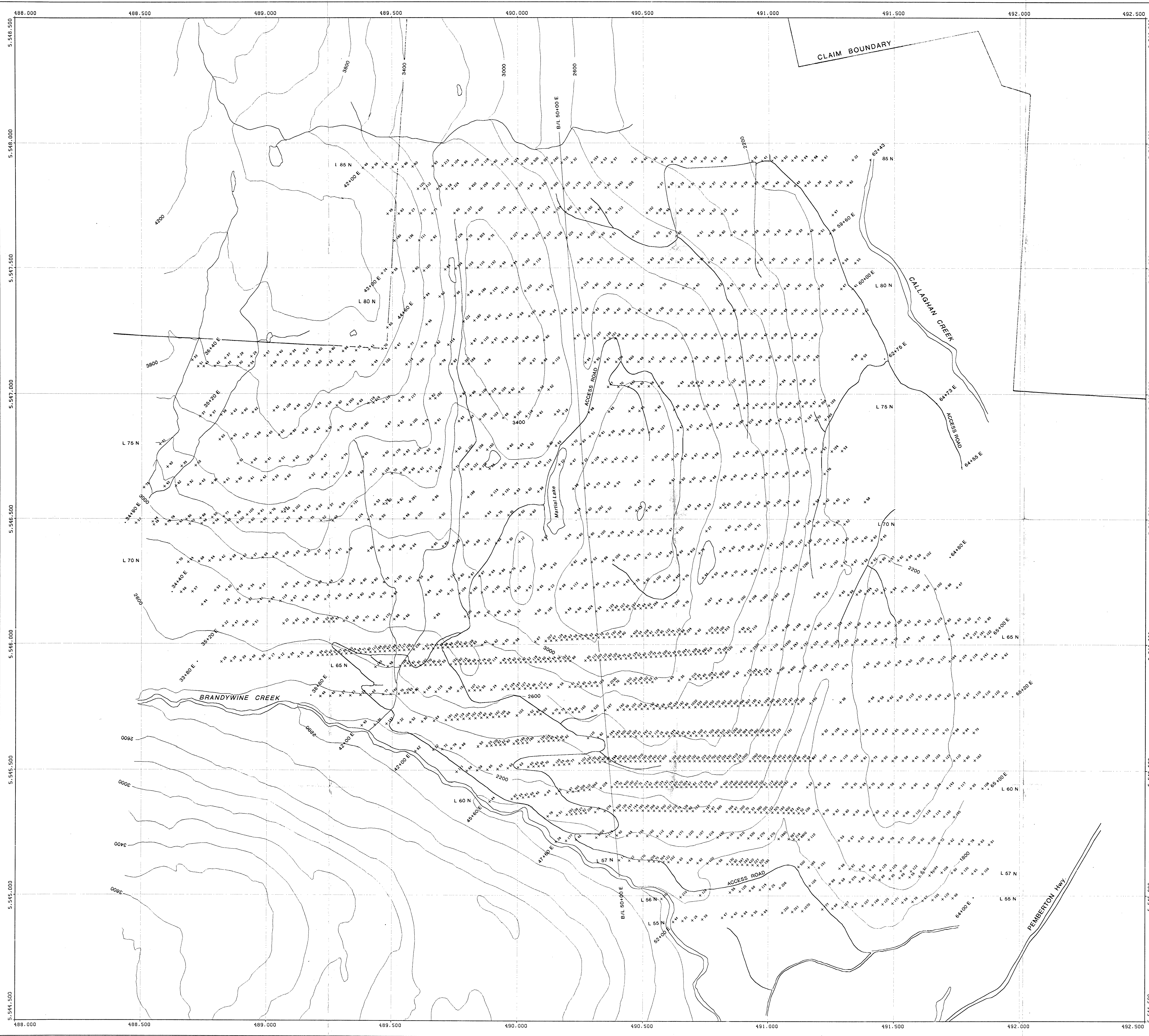


GEOLOGICAL BRANCH
 ASSESSMENT REPORT
20,047

DRAWN		GRH	BRANDYWINE SOIL GEOCHEMISTRY PB (PPM)
DATE		89:08:29	
SCALE		1:5000	
NO.			PLATE

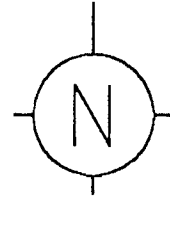
FIGURE 10

PLACER DOME INC.



DATA PLOTTED ON THIS MAP:
 DIRECTORY: 3EXPL/BRANDYWINE/GCHM

FIELD	FILE
* POINTS: ZN	BA_S01LUM
ROAD	ROAD
STREAM	STREAM
LAKE	LAKE
ELEV	ELEV



GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,047

FIGURE 11	
PLACER DOME INC.	
DRAWN	GRH
DATE	89:08:29
SCALE	1:5000
NO.	PLATE