MAP NO.:	**ASSESSMENT REPORT** X	**DOCUMENT NO:**	092588
	PROSPECTUS	**MINING DISTRICT:**	Whitehorse
115 I 3	**CONFIDENTIAL** X	**TYPE OF WORK:**	Diamond Drilling
	OPEN FILE		

REPORT FILED UNDER: Aurchem Exploration

DATE PERFORMED: 1 May 1988 - 30 Aug 1988 **DATE FILED:** 7 December 1988

LOCATION: **LAT.:** 62 05iN **AREA:** Mt. Nansen

LONG.: 137 10iW **VALUE $:**

CLAIM NAME & NO.: WEDGE 5-15 (YA82171-4, YA82181); RAS 1-4,(YA93138-41); LGCS 1,3 (YA95014,16); MSL (YA95099); BIT 1-5,(YA97733-7)

WORK DONE BY: M. Langdon

WORK DONE FOR: Aurchem Exploration Ltd.

DATE TO GOOD STANDING:

REMARKS: # ~~01 J. DILL~~ 56 GOULTER Work in 1988 consisted of 15 NQ/HQ diamond drill holes totalling 1219.2 m and some fill-in magnetometer survey lines. Two stages of veining are recognised. The first phase veins consist of very fine grained grey quartz containing 0.3-17.1 g/t Au and 10.3 to 102.8 g/t Ag. The second phase veins consist of vuggy white bull quartz with up to 17.1 g/t Au and 2742.8 g/t Ag.

MAP No. 115 I 3

ASSESSMENT REPORT [X]
PROSPECTUS [ ]
CONFIDENTIAL [X]
OPEN FILE [ ]

DOCUMENT NO.: 092588
MINING DISTRICT: Whitehorse
TYPE OF WORK: Diamond Drilling

REPORT FILED UNDER: Awchem Exploration Ltd

DATE PERFORMED: 1 May 1988 - 30 Aug. 1988 DATE FILED: 7 Dec. 1988

LOCATION		AREA / VALUE
LAT.	62 05'N	AREA: Mt Nansen
LONG.	137 10'W	VALUE $

CLAIM NAME & NO. WEDGE 5-15 YA 82171-4, YA 82181; RAS 1-4, YA 93138-41; LACS 1-3, YA 95014,16; MSL YA95099; BIT 1-5, YA 97733-7

WORK DONE BY: M. Langdon

WORK DONE FOR: Awchem Exploration Ltd

DATE TO GOOD STANDING

REMARKS: #81 J. BILL

Twenty-five gold-bearing epithermal veins occur on the property and may be related to a 330° fault system. ~~The mineralized veins is vertical and the flanking veins on both sides appear to converge at a depth of 182-244 m.~~ Work in 1988 consisted of 15 NQ/HQ diamond drill holes totalling 1219.2 m and some fill-in magnetometer survey line. Two stages of veining are recognised. The first phase veins consist of very fine grained grey quartz containing 0.3-17.1 g/t Au and 10.3 to 102.8 g/t Ag. The second phase veins consist of vuggy white bull quartz with up to 17.1 g/t Au and 2742.8 g/t Ag.

092588

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded 7 Dec 1988

TRANSMITTAL FORM

From ▶ Mining Recorder at: Whitehorse

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Bit 1-5, Wedge 1-6, C.S. MSS: Ras. — Claim sheet no.

Type of report: S.D.G. Soil Geoch. — Submitted by: Fairchem Exploration

Cls. work performed on: Bit 1-5 Wedge 1-6 C.S. MSS. Ras — $ req. for ren. application: $9,500.00

YA93138 - etc — 115-I-3

DEPT. OF THE REGIONAL MANAGER MINERAL RIGHTS DEC 07 1988 WHITEHORSE YUKON TERRITORY

Signature

Date returned 13 Dec. 88

REPLY ACTION

Approved as physical work.

Signature

802-6027-26 (6-86)

Report on Diamond Drilling, Geology, Magnetometer Survey, EM-16 survey and Soil Geochem Survey Carried out on WEDGE #5, WEDGE #6, WEDGE #7, WEDGE #8, WEDGE #9, WEDGE #10, WEDGE #15, RAS 1, RAS 2, RAS 3, RAS 4, LGCS 1, LGCS 3, MSL, BIT 1, BIT 2, BIT 3, BIT 4, BIT 5. Claim sheet 115 I/3, 62 05' N/137 10'W

May 1, 1988 to August 30, 1988

Mark Langdon, Aurchem Exploration Ltd.

092588

1988 Diamond Drill and Exploration Program

Carried out on WEDGE #5, WEDGE #6, WEDGE #7, WEDGE #8,
WEDGE #9, WEDGE #10, WEDGE #15, RAS 1, RAS 2, RAS 3, RAS 4,
LGCS 1, LGCS 3, MSL, BIT 1, BIT 2, BIT 3, BIT 4, BIT 5.
Claim sheet 115 I/3, 62° 05' N/137° 10'W
May 1, 1988 to August 30, 1988

Aurchem Exploration Ltd.
16-266 Rutherford Road South
Brampton, Ontario L6W 3X3
Phone: (416) 452-6454
Fax: (416) 454-9195

Mark Langdon
Manager - Geological Projects
November 1988

Table of Contents

List of Maps in Back Folder

Claim Map
EM-16 Survey
Magnetometer (MP-1) Survey
Diamond Drill Hole Locations
Au Geochemical
Ag Geochemical
Pb Geochemical
Zn Geochemical
As Geochemical
Pb/Zn Geochemical

List of Claims and Tag Numbers

RAS 1	YA93138)	Owned by Aurchem
RAS 2	YA93139)	Exploration Ltd.
RAS 3	YA93140)	Brampton, Ontario
RAS 4	YA93141)	
LGCS 1	YA95014)	
LGCS 3	YA95016)	
MSL	YA95099)	
WEDGE 5	YA82171)	
WEDGE 6	YA82172)	Owned by G. Dickson,
WEDGE 7	YA82173)	Whitehorse, Yukon
WEDGE 8	YA82174)	
WEDGE 10	YA82174)	
WEDGE 15	YA82181)	
BIT 1	YA97733)	
BIT 2	YA97734)	Owned by Aurchem
BIT 3	YA97735)	Exploration Ltd.
BIT 4	YA97736)	
BIT 5	YA97737)	

Introduction

The claims and accompanying Leases have been explored by Aurchem Exploration Ltd. from 1985 to present. During 1988 a diamond drill program, a proton magnetometer survey, a "fill in" VLF survey and additional geochemical soil sampling programs were conducted.

During September of 1987 a test magnetometer survey was conducted over a portion of our property to test the usefulness of the instrument. Due to the success of this program, we completed the remainder of the property during the summer of 1988.

Diamond drilling in 1988 was primarily an exploration program for geological information with some as follow-up to 1987 drilling.

The drilling data obtained was essential in trying to put together a geological model for future exploration. Drilling was only conducted on targets over areas that geochemical soils, magnetometer and VLF (EM-16) surveys were completed.

Regional Geology

The claims are located in the valley of Discovery Creek, a tributary of Nansen Creek. Access is from Carmacks by going west on the Mount Nansen Road. The claims are approximately 10 km by road past the Mount Nansen Mine site or 70 km west of Carmacks.

General Geology

Outcrops on the property are rare (1%) and are usually exposed as weathered regolith of large frost-heaved blocks.

The bulk of the property is non-glaciated and overburden consists of in-situ weathered rock and/or slumped rocks from nearby. The depth of regolith varies from 1-75 feet in thickness before some competant bedrock is observed. Within 150 feet on surface around Discovery Creek, we appear to have a zone of glacial-fluvial material overlying the bedrock.

Generally speaking, the property and surrounding properties show Au/Ag epithermal vein style mineralization as steeply dipping, NNE/NNW striking veins.

The western edge of the claims show the Precambrian to Cambrian age Yukon Group metasediments and metavolcanics. The Yukon Group was intruded by a sub-intrusive hornblende diorite of Jurassic(??) age. This may or may not be associated with the Mount Nansen group of early to middle Cretaceous. The Casino Granodiorite intruded in early Cretaceous time. It is still unknown at this time if the Diorite or the Grandiorite intruded first but most evidence seen by myself would favour the Diorite. The Mount Nansen suite of andesitic

to basaltic flows and dykes then post-dated both of the plutonic lithologies. The older sediments (Yukon Group) appear to be a relic block that may be supported totally in the Mount Nansen volcanic unit. The Mount Nansen volcanics may have continued for an extensive period of time to the late Cretaceous where they may be genetically related to the Carmacks Group. In our area, porphyry dykes of andesitic, dacitic and rarely rhyolitic composition cut the lithologies. These dykes appear to have been formed before, during and after the epithermal mineralizations. Alterations within the dykes range from unaltered to highly altered. At the bottom of DDH-88-10, within a 50 ft. zone, we have a highly altered and mineralized dyke against a slightly altered unmineralized dyke with a fresh unaltered andesite dyke just a few feet farther down the hole. The dykes generally have the same strike as the veins, but the genetic implications are questionable. We have grouped the dykes as late phase Mount Nansen Volcanics as the group could have gone through a more felsic last stage. This could imply the possibility that a deep seated heat source that formed the Mount Nansen Volcanics could have been the same heat source as for the epithermal system.

A megacrystic granite is found at the upper forks of Eliza Creek. Other geologists in the area have told me that the granite is part of the Cambrian age metasediment/metavolcanic group but this may not be the case. Evidence indicates that this is the latest lithology and post-dates the epithermal period. It appears to be the cause of a later mineralization (or re-mobilization). This will be more fully discussed in this report under our model of mineralization.

Model of Mineralization - General

It is very difficult to properly explain in writing how and where the mineralized veins are where they are located. From our very limited data base we must make alot of assumptions and many of the details have not yet been put together. Work will continue on this matter but all evidence gained so far continues to support the following ideas. Our model or theory also includes the mineralized veins at the Mount Nansen Mine area but for obvious reasons, we have not spent much time trying to piece together the BYG/Chevron side of the picture.

Our exploration goal has been to find a high grade vein zone what models refer to as the "bonanza zones". Therefore we have spent much of our energy in trying to develop a working model for the mineralization in an attempt to locate the most promising zones to spend our time on.

Model

It has been very apparent to us that we have two separate and distinct vein types. This will be discussed later under vein types. The first is your classic "epithermal" veins. The second mineralization is probably not a true

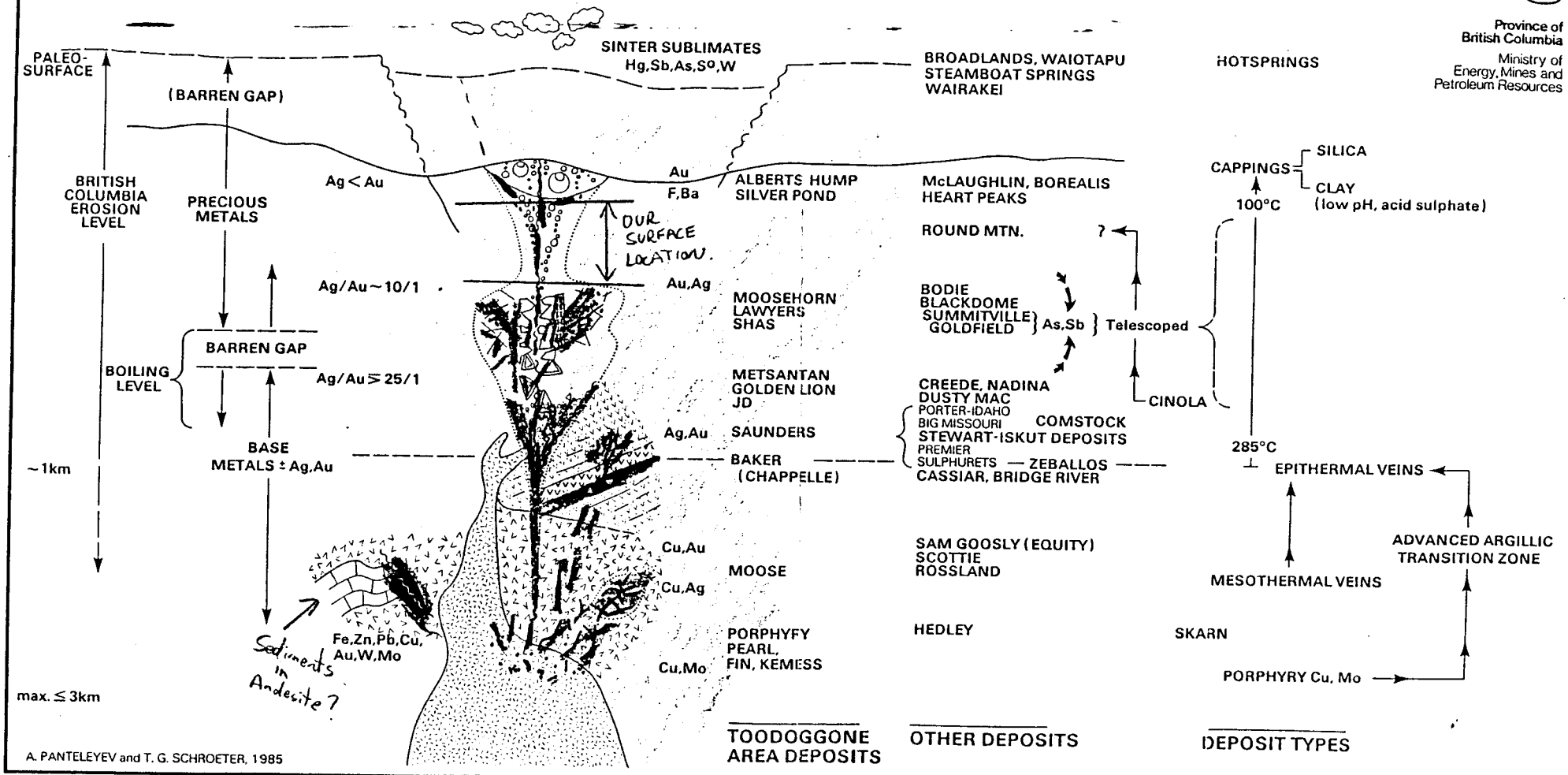
epithermal but more of a hydrothermal or a re-mobilization of the epithermal vein mineralization.

The epithermal veins appear to fit well into the classic models of epithermals such as the one shown on the next page. The granite lithology was not present during this time and the porphyry dykes are coming in during the same epithermal period. This mineralization is very widespread covering an area maybe six miles in length. It is a multi-stage event with much vein hydrofracturing. The mineralizing fluids gradually changed through successive phases with much of the gold and silver coming in the late stages of the system. Alteration during the epithermal is wide-spread (discussed under vein types) and formed a large silicic cap on top. This cap is quite large and the southern edge of it can be found on our property on the north side of Discovery Creek. Some earlier geologists have mapped this zone as rhyodacite but I believe it to be silicified Casino Grandiorite (silica cap) with some rhyodacite plugs intruding. This is at least true on the northern sections of our property but I have not investigated much to the north of here. The cap contains minor gold/silver values, very low base metals and amounts of tungsten and molybdenite. Early exploration by others explored this area as a porphyry system for tungsten. Large white quartz veins can be found with visible molybdenum flakes. Some of the rhyodacite plugs show high level tourmaline rich breccia caps.

The veins produced strike a in general NNW (N330°) direction and are usually very steep dipping. They appear to follow a deep seated N-S fault system with the faults appearing as the hanging wall or footwall of the veins. The main siliceous veins (generally higher grade) are usually found on the footwall side of the fault and wander about sub-paralleling the fault. We have found them up to 150 feet horizontally away from the main fault. These veins pinch and swell, branch out and re-group along strike and in the vertical component. There are probably 25 veins of this type crossing our property, of which four or five have good widths with the remainder being generally narrow. Precious metal values are very erratic ranging from nil to one-half ounce Au (combined Au and Ag values) on samples we have assayed. In the central part of our property where we have done most of our drilling, we are quite high up in the epithermal model and need the deeper targets for the possible higher, consistent grades. The drilled zone shows a central vertical vein with veins to the west dipping at about 60°E towards the centre, and veins to the east dipping at about 75°W towards the centre. Rough estimates show these veins to converge somewhere between 600-800 feet of vertical depth. On this vein system this converging point is our target but as I continue the model it can be seen to be much more complex than this.

Another major fault system at about N60° also pre-dated the epithermal system. There appears to be one major fault of this kind on our property which crosses just south of the upper split of Eliza Creek. Other minor parallel faults in this direction also exist. The veins appear to swell in width as they approach these faults. The swelling up and collapsing of the epithermal system and other outside events has caused post vein movements along the N60° faults in both vertical and horizontal components. This makes surface tracing

BRITISH COLUMBIA EPITHERMAL MODEL



A. PANTELEYEV and T. G. SCHROETER, 1985

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

of veins difficult but most displacements appear to cause only minor lateral movements of the veins (<100 ft). A 200-300 ft vertical movement though would cause only a small lateral displacement on a steeply dipping vein. Therefore a change in grade across a fault could be caused by the nature of the epithermal precipitation requirements or an abrupt change in paleo-elevation.

The second phase of mineralization gave a distinctly different type of vein. It appears to be formed in a very short time period and is very localized in regional extent. There may be other similar events within the epithermal system on strike but this one appears to have only formed veins on parts of our property and in the Mount Nansen Mine Area. (Possibly BYG's Fleck zone is of this type.) The veins formed are higher grade and their formation has caused major "distortion" on the earlier epithermal vein system.

On a very regional picture, there are major northwest faults (such as Tintina Fault) that appear to be very deep seated and nearly all plutonic/volcanic lithologies seem to originate up these faults. The regional banding of lithologies is very strong in the northwest direction coinciding with plate tectonic models of the formation of the belts in the area. On our property, one of these NW faults crosses the upper junction of the forks of Eliza Creek. The megacrystic granite has come up this fault with the centre of the body appearing to be located at the junction of the northwest fault and the major N60 fault. This point appears to be the centre of the second phase activity and the centre of what was a very large mountain.

As the granite intruded up the northwest fault, doming up of the area caused a set of local faults at about N100 . There are many of these faults but the largest also goes through our main central zone where the granite is found. A strong NNE fault also goes through this central zone. This NNE fault may be one of the original faults that the epithermal vein system was formed in or sub-parallel to.

Figure 1 shows the drainage of the creeks on our property. Figures 2, 3 and 4 show faults and movements on top of the figure 1 base map for correlation but it should be obvious that the creeks are not really there until the last figure.

Figure 2 shows the faults that have been discussed and the central location of the granite. As the granite was intruding, a left lateral displacement of about 400 ft occurred on the NW fault. As the granodiorite/diorite contact approximately followed the NNE fault, this give a jog in the lithogies and in the epithermal veins previously emplaced (see page 6).

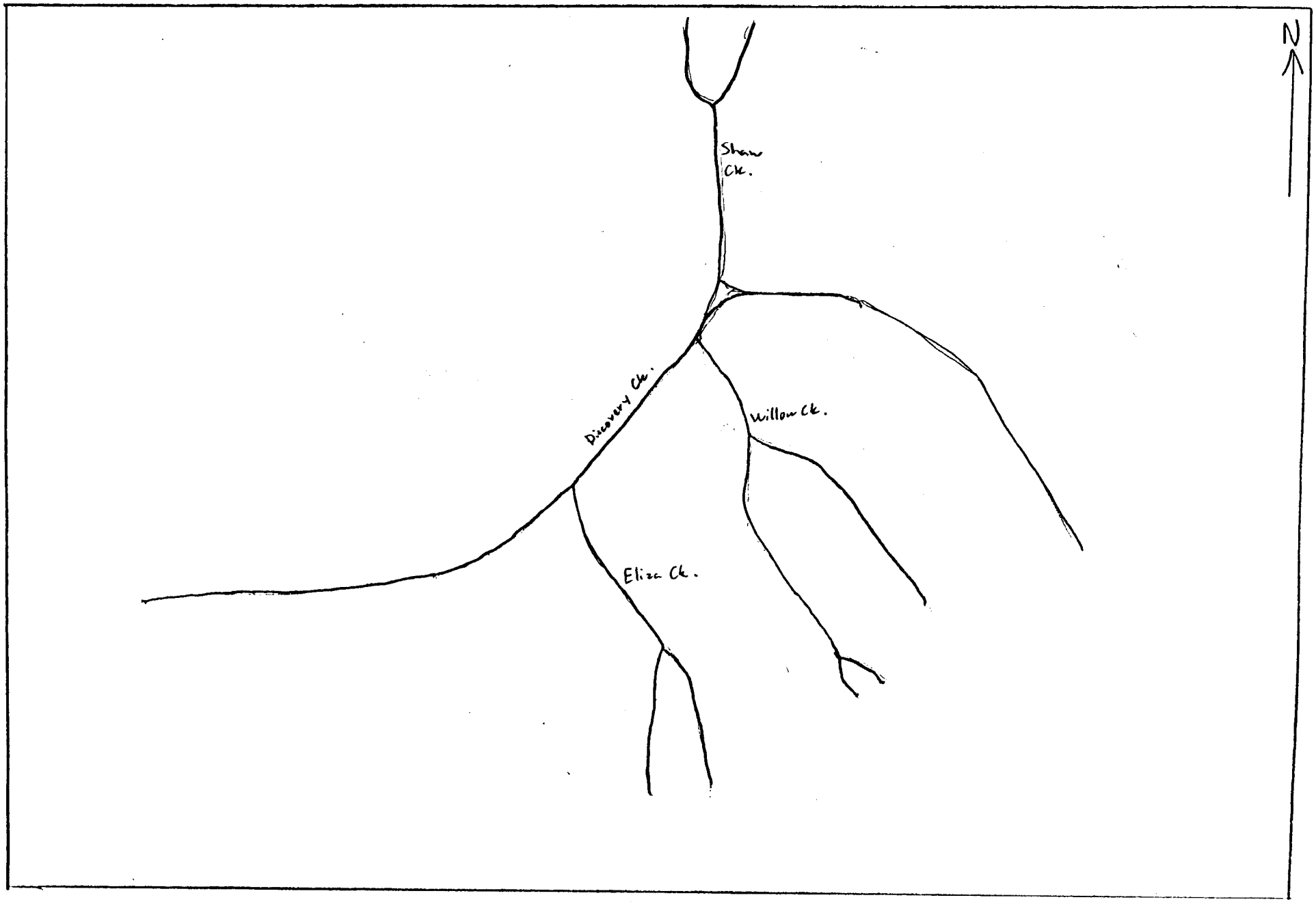


FIG. I.

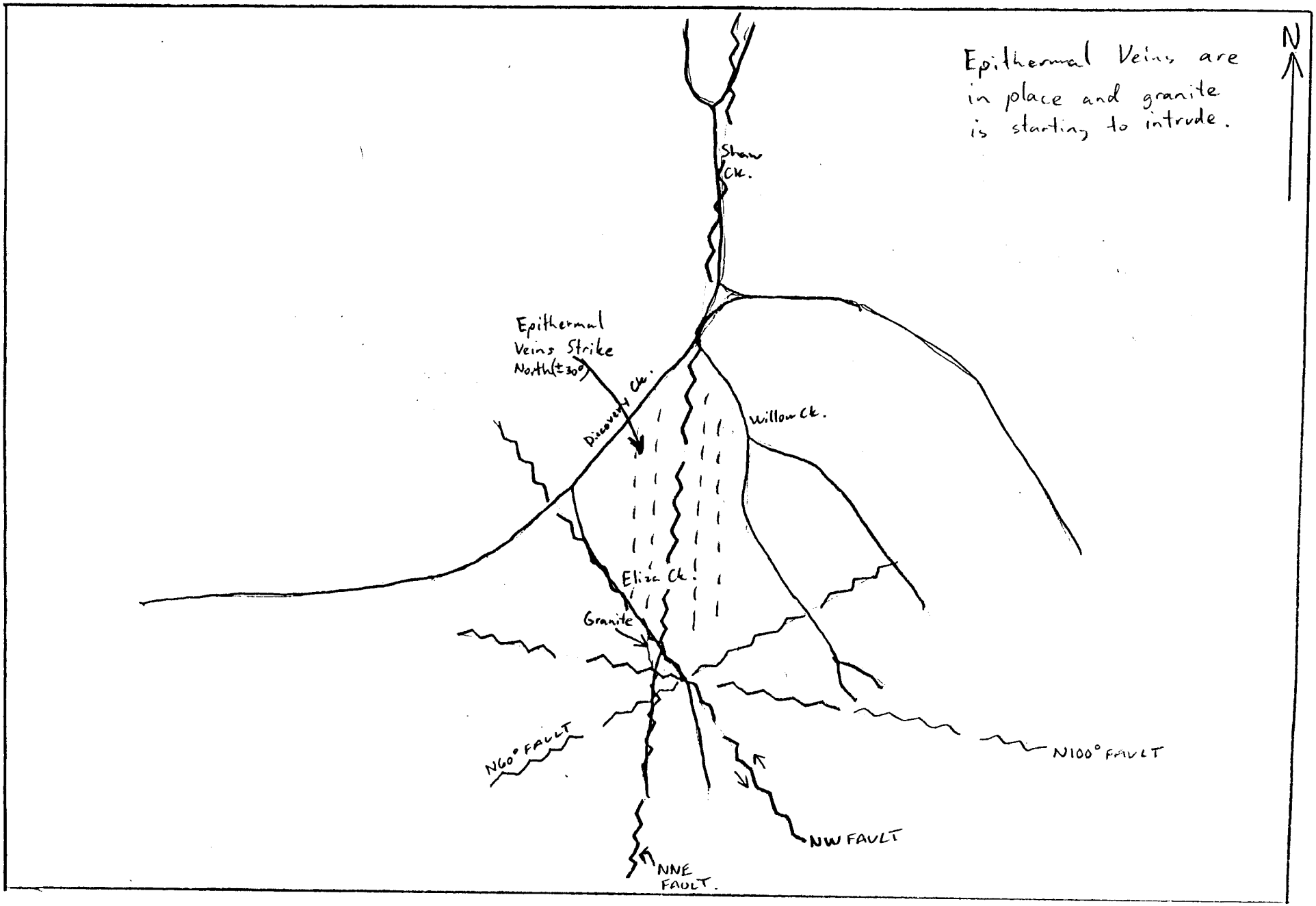
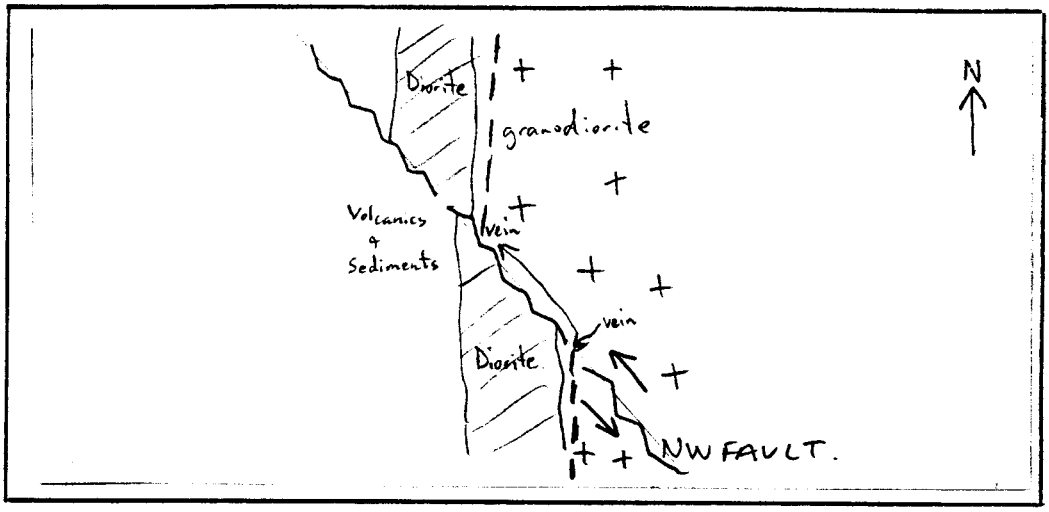

Epithermal Veins are in place and granite is starting to intrude.
N
Shaw Ck.
Epithermal Veins Strike North(±30°)
Discovery Cr.
Willow Ck.
Eliza Ck.
Granite
N60° FAULT
N100° FAULT
NW FAULT
NNE FAULT.

FIG. 2

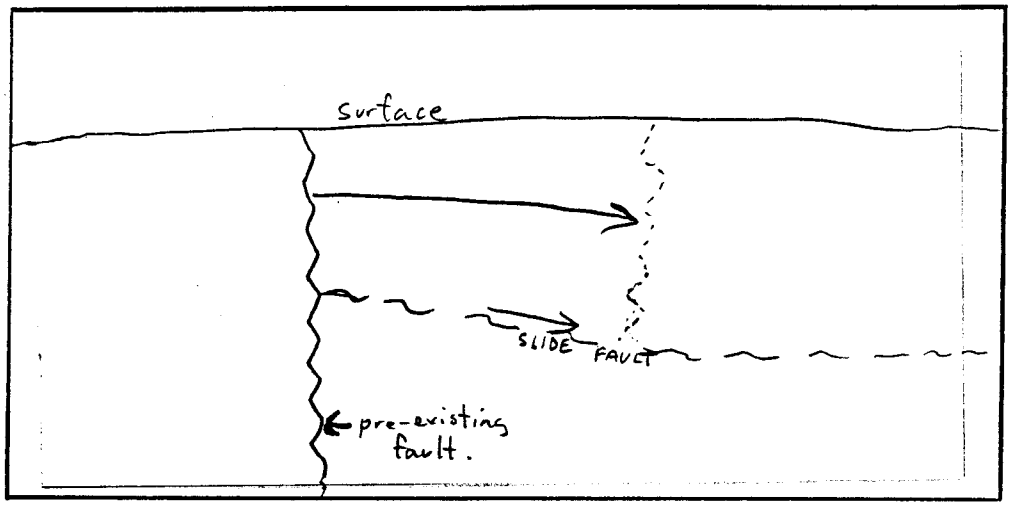


As the granite continued to intrude, a system of parallel NW fractures formed. The heat from the granite created its own hydrothermal (??) forming new veins with a NW strike. As they hit the previous northerly striking epithermal veins, the new material also shot down the epithermal system enriching these veins. Numerous epithermal veins on our property can be seen to have small second phase veins along both edge. Some rhyolite dykes may have also come up the main NW fault but cannot be verified at this time.

The source of mineralization for the second phase may be from depth but is more likely from re-mobilization of veins in the epithermal system (probably from deep in the system). This causes local problems in looking for the "bonanza" zones of the epithermal system as parts of this zone may have been re-mobilized or stripped of the mineralization by the second phase intrusion. Making the problem even more complex is the following general sequence of events.

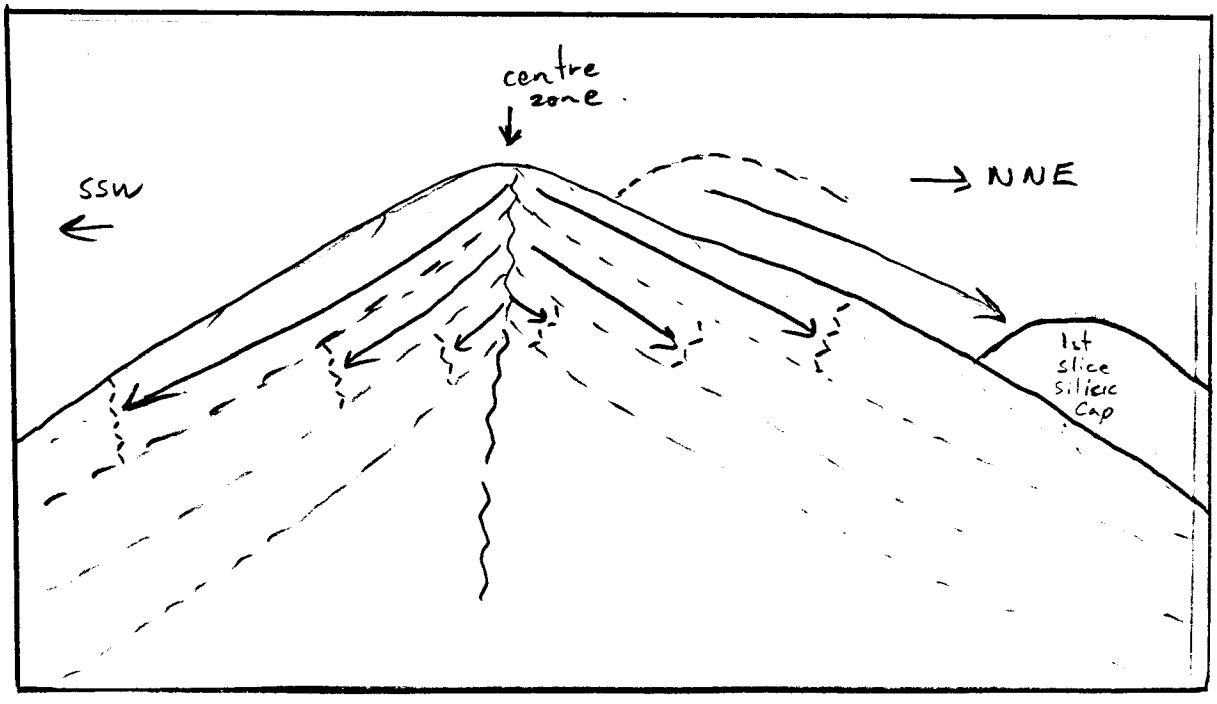
As the granite intruded, the centre location domed to very significant heights. The result was extensive gravity sliding from this central point in a number of directions in successive slices.

Figure 3 shows the first basic movement of slides. This may have occurred quite early, even before the second phase veins were formed. This slice took all of the epithermal's silicified cap off the top of the epithermal system in a northerly direction. This slice is probably a few hundred feet in thickness. In all of the slides, the breakage points are in many instances, were along the pre-existing faults but do not appear to slide on the faults as illustrated below.



Possibly the release of lithostatic pressure from the removal of this first thick slice caused the secondary veins to shoot up to the "then present" surface.

The 2nd movement which takes place, (it is now after the second phase veins are mostly in place) is in a NNE direction as a series of 2 or 3 plates. South of our centre zone a series of slides occur in the opposite direction (see below). These movements appear to be nearly perpendicular to our N100 fault. The successive slides continue to move the silicic cap slice farther away.



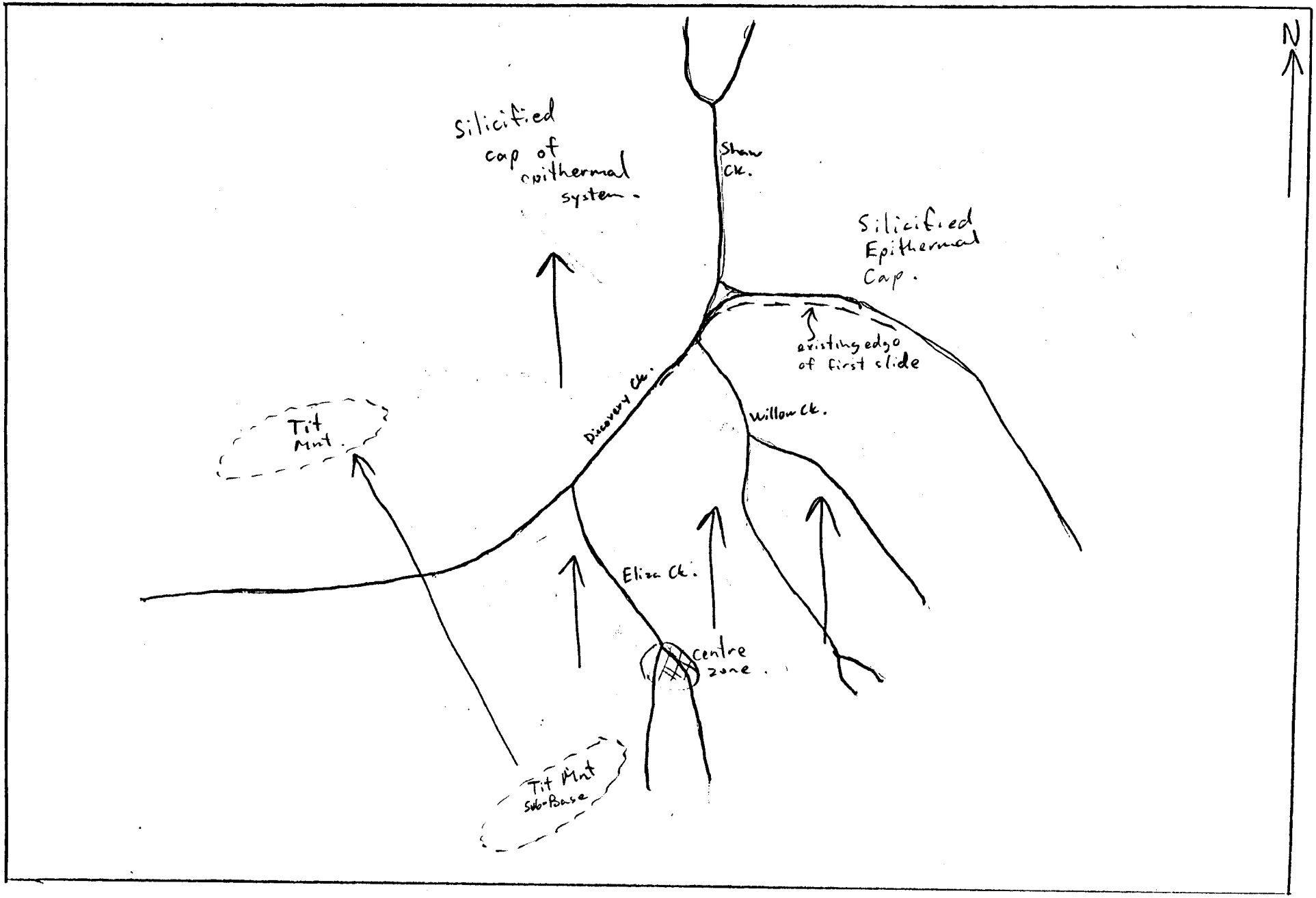
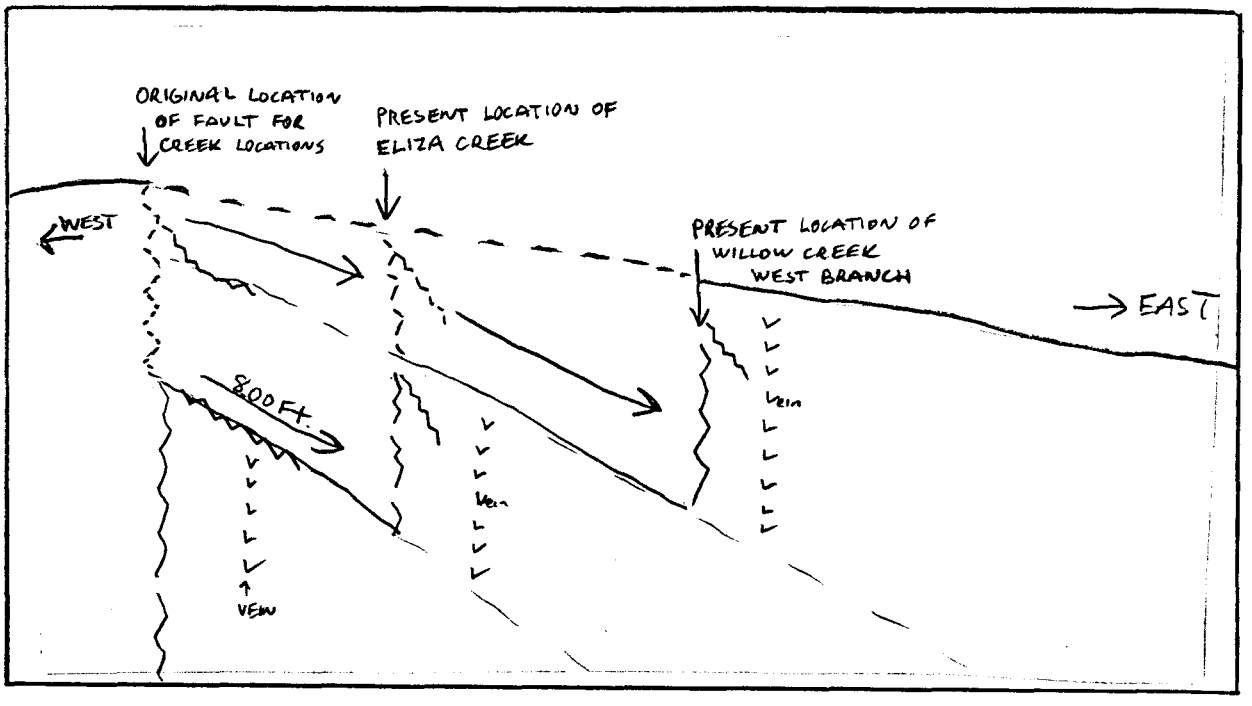

N
Silicified cap of epithermal system.
Shaw Ck.
Silicified Epithermal Cap.
existing edge of first slide
Discovery Ck.
Willow Ck.
Tit Mnt.
Eliza Ck.
centre zone.
Tit Mnt sub-Base

FIG. 3.

The last major movement is a very important one in regards to where the veins are and what they represent. This slide is in the east-west direction away from the centre with most of the movement being to the east.

The figure below and Figure 4 attempt to roughly show this slide in our area.



What essentially happens is that the two creeks are the slide faces. From Willow creek (and east) this block has slid off Eliza Creek. This makes that both creeks were originally formed on the same fault. The junction of Willow Creek east and west moved off the location of the junction of Eliza Creek and Discovery Creek. Both of these blocks have moved together in the "first slice" move of about 800 ft to the east.

In all of the movements discussed, many other "within block" movements also took place of minor amounts. There was also most likely a severe collapsing at the end as the granite cooled.

The implications of all the gravity slides makes exploration on the property difficult but may be of some benefit also. We can locate the same vein on the property at four or five different locations; each having a different paleosurface. Our drilling in the central part of the property found good surface to core correlation up to 400 ft of vertical depth in places so these slices are quite thick on their eastern margins. The western edges of the blocks may be quite thin though. Very little work has been done by us on our Eliza Creek anomaly zone. By reconstructing the slides as we now see them, this anomaly is the relatively unmoved base slice. Our 11 south trench has a good vein showing substantiated to 200 ft of vertical depth by DDH-88-9. This

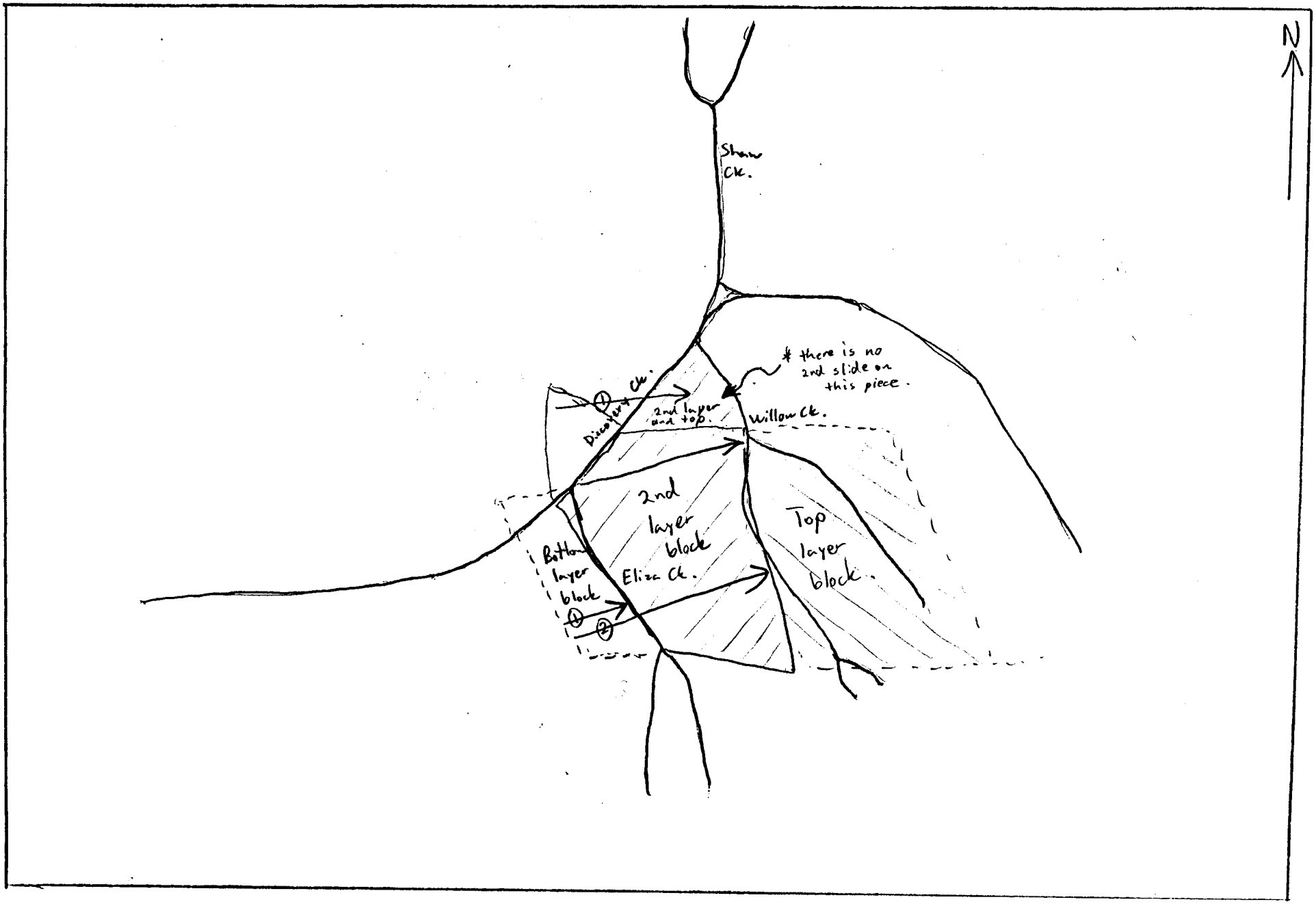

N
Shaw Ck.
* there is no 2nd slide on this piece.
Discovery Ck.
2nd layer and top.
Willow Ck.
2nd layer block
Top layer block
Eliza Ck.
Bottom layer block
1
2

Fig 4.

showing appears to fit directly over the large geochem showing in the Eliza Creek zone. In this zone we may be 300 to 700 feet deeper on the same vein.

From a preliminary view, a "mirrored image" of slides has happened to the south of us. From the aerial photograph and using a similar slide sequence, the Huestis, Weber and Brown McDade zones from Mount Nansen Mine area wind up just south of our granite centre zone.

Much more surface work has to be done to help support our ideas. Obviously deep drilling should not be done until more information in this regard is compiled. More surface trenching, especially in the Eliza Creek area needs to be done.

Magnetometer & EM-16 Surveys

Previous VLF work and the fill in lines of the past summer show good, strong anomalies through the property. Difficulties aligning the same anomaly on strike in places caused confusion in interpretation. The sliding model that we have come up with shows the obvious reason for our interpretation problems.

Another fact of the data is that the first phase epithermal veins show good anomalies with the VLF but the second phase veins don't or are masked by the strong response to the first phase veins. Once a second phase vein has been located on surface, a small VLF response can sometimes be made out from our data. The very strong VLF responses appear to be from the northerly striking faults associated with the epithermal veins.

For this reason we conducted the MP-2 magnetometer survey in an attempt to show our second phase veins. This method appears to show up both types of veins. We get lows over the vein zones due to the alteration halos. The magnetometer data map (enclosed) also gives added proof to slides as we have discussed.

The magnetometer data also aids the interpretation of the basic geology.

Lithology	Reading
Sediments	very high
Volcanics	moderately high
Diorite	moderately high
Granodiorite	moderately low
Silicified Granodiorite (cap)	moderately low with little variation
Porphyry Dykes	very high

Alteration in all lithologies decreases the magnetometer reading.

The problem found with the magnetometer data was in the station spacing (50 ft stns. at 200 ft interval lines). The second phase veins are relatively narrow

high grade veins with narrow alteration halos. A very low reading over known veins might only be found over a five foot width. The magnetometer appears to be very useful in chasing veins from a known location, but 5 ft spacings on 20 ft line spacings was needed. This data tended to show that these veins wander, pinch and swell, branch out, etc. Next year we intend to trench larger areas along strike of known veins and use detailed magmetometer surveys over these zones. We will then have a better idea of its usefulness in chasing the second phase veins.

Drilling

Approximately 4000 ft of HQ/NQ diamond drilling was done this year to more fully investigate the veins in the central property area (see diamond drill location map). A couple of holes were follow-up holes of 1987 drilling and DDH-88-9 was under our Trench 11 south showing. Drill hole data correlated very well with VLF, magnetometer and geochem data obtained along the surface projection of the hole.

Correlating drill holes from line to line is difficult due to the high number of veins and their erratic physical appearance. Work will continue during the winter on this matter.

Once again severe drilling problems were encountered because of intense alteration (high clay content), the high number of faults and driller experience in this type of ground. It was found for a hole to be successful that bentonite mud is much preferred and that the viscosity of the mud must be altered by the driller as the situation (alteration) changes. Drilling must be on a 24 hour basis and any stoppage at all (even 15 minutes) can cause severe problems. Faults necessitated most holes to be reduced due to cave-in.

Cross-sections of the drill holes have not been done at this time but work on this will continue during this winter.

Appendix I gives the drill logs of the holes shown on the drill hole location map (enclosed). The assays of the holes are given in Appendix II.

Assays

Samples were analyzed as a package deal through Bondar-Clegg & Co. Ltd. The samples were prepared in their Whitehorse laboratory and sent to Ottawa for analysis. Gold was assayed using a 30 gram sample and geochemical analysis of Ag, Pb, Zn, Cu, Hg, As, Te, and Sb were done. All samples reaching the geochemical upper limits or Ag values greater than 10 ppm were then assayed. Silver values (and lead) from the second phase mineralization appear to be causing some problems with the assaying technique. The veins have been oxidized from sulphate solutions (with O_2) causing the galena to be converted mostly to cerrusite. Further assays for Ag geochemical anomalies are being conducted presently as some re-assays show values of up to eight times higher

than the geochemical value that was indicated. Gold re-assays also show up to a 50% variance in grade.

Past work has shown us that poor values for Au on a vein do not mean alot. Gold values in the veins are highly erratic. A cut on the same vein 2 feet over will give entirely different values. Bulk sampling of the veins is the only way to get a true value for gold and silver.

Two noteworthy samples from the 2 south trench (grab samples) gave values of

.3 oz/ton Au
80.0 oz/ton Ag
≃65.0% Pb

These samples were re-assayed and confirmed.

Other assay generalities will be touched on in the "vein type" descriptions.

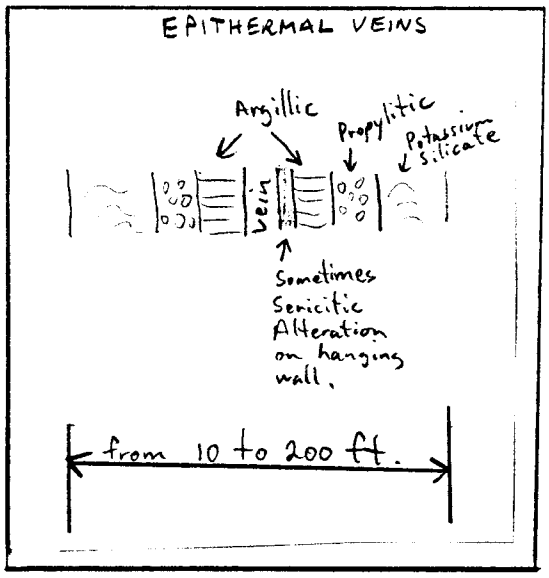
Other

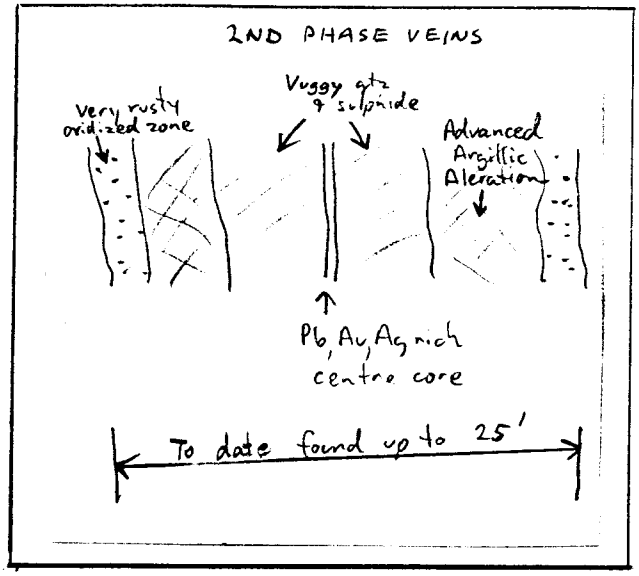
A noteworthy comment which combines bits of information from the drilling, assays and geophysics is as follows. In both drill holes DDH-88-6 and DDH-88-7 a peculiar alteration was found on the granodiorite. It appears to me to be as though the granodiorite had been "cooked" and k-spar rich solutions had gone through the lithology. A broad magnetometer low is also found in the area. The alteration seemed to be over-printed on top of the previous epithermal alteration zonation displayed by the epithermal vein system. Vein zones were also puzzling as they were very wide in extent (80 ft) but seemed almost devoid of even pyrite. Argillized zones around veins usually carry from 4-15% pyrite but these 80 ft. wide zones with no apparent vein at the centre contained only about 1-2% pyrite. Using the sliding model, this zone ends up lying on top of the granite at the Eliza Creek junction. Thin sections of this material will be analyzed to verify our suspicions. This may help us to show that the granite formed later than the epithermal system. The veins may have been leached of minerals by the heat of the underlying grandite. This fits into our present theory of the second phase veins being caused by the granite which gets it's minerals (or part) from the remobilization of the pre-existing epithermal system.

Vein types

Our first and second stage veins have distinct differences which I will list below;

First Phase Epithermal Veins	Second Phase Veins
- are formed by a multi-phase event accompanied by hydrofracturing	- appear as a quick one-stage event (no hydrofracturing)
- are sulphide/quartz/carbonate veins	- are quartz/sulphide veins
- calcium carbonate content can be high	- no calcium carbonate
- quartz is a very fine grained cherty grey quartz	- quartz is a white "bull" quartz with many vugs (druzy?).
- veins contain generally low Au and Ag values Au - .009 to .5 oz/t ($\simeq$.06) Ag - .3 to 3 oz/ton ($\simeq$.5)	- veins contain high Au and Ag values Au up to .5 oz/ton Ag up to 80 oz/ton
- veins generally not oxidized except by post-vein surface oxidation	- almost totally oxidized except vein cores (in most cases) during precipitation
- veins contain low Pb, Zn, Cu, Sb values	- veins contain high values of Pb, Cu, Sb
- Lead/zinc ratios are less than one	- Lead to zinc values are greater than one
- low Ag/Au ratios	- high Ag/Au ratios
- no adularia found	- contains adularia and other advanced argillic materials
- minor native sulphur possible	- abundant native sulphur found
- not formed from H_2S rich solution	- formed from a H_2S rich sulution
- lead is found as galena	- lead is found as cerrusite with galena cores
- veins strike northerly	- veins strike northwest except where they are found on the outside edges of type 1 epithermal veins
- have widespread alteration	- have narrow alteration zones as shown below





Some late phase one mineralization is similar to the second phase veins in that they are narrow high grade Pb/Zn veins with good Au and Ag values. The difference shown by them is in their alteration halos and that they contain calcium carbonate. They are usually less than 6 inches wide (average 1") and can cross-cut the earlier veins.

Future Work and Summary

Due to the model that we have formulated, we intend to concentrate on more extensive surface work in the up-coming field season. This will be composed of bull-dozer trenching with follow-up backhoe trenching. Sampling and detailed magnetometer work will be done over the trenched areas. As well as trenching in the Eliza Creek zone, we intend to extend trenches on previous showings on strike and trench over veins hit in shallow drill holes. Our basic target is to chase our secondary vein zones to see where they go and how they vary. A number of other new zones will also be trenched based on the geophysics and geochemical soil assays. On the epithermal veins trench 4H will be deepened and enlarged in an attempt to find larger low grade tonnage. (At present this zone gave 50 ft of .02 oz/ton Au in DDH-87-3A). In the diorite, trench 8 south will be expanded to cover good geochems 100 ft to the north. The 8 south vein (10 ft of .1 oz/ton Au on combined Au/Ag values) was looked at briefly this year and 6 inch veins of secondary material were found on both sides of the epithermal vein (carrying .3 oz/ton Au and 2.0 oz/ton Ag).

All the surface work to be done in 1989 is to gain better surface knowledge for a more detailed drilling program. With all the gravity sliding that has taken place a good knowledge of the veins on surface is needed prior to any drilling along the vein. To aid in this matter we are also strongly looking at the possibility of conducting an Induced Potential survey over the property looking in greater detail down the strike of the better vein zones. This we hope will give us points along the strike of the veins as well as the depth at which to target drill holes.

Minor geochemical sampling of soils will also be done in an attempt to expand knowledge on areas that we deem as having good potential.

Core storage

Drill core from our 1988 program was shipped to our office in Brampton, Ontario. Further logging, thin section work and metallurgical studies will be conducted on the core during the winter months.

Mark Langdon

Mark Langdon
Manager - Geological Projects

List of Expenditures

a) Personnel Expenditures

Mark Langdon,	Manager - Geological Projects 511 Hayward Crescent Milton, Ontario	
	Field work; supervision and implementation of diamond drill program, core logging, trenching, supervision of other surveys conducted. 56 days at $165/day	$ 9,240.
Katerina Ross,	Geologist 2020 Rebecca Street Oakville, Ontario	
	Field work; partial supervision of diamond drilling, core logging, magnetometer survey, trenching. 56 days at $120/day	$ 6,720.
	Pre-field organization 16 days at $120/day	$ 1,920.
Rob Schneider,	Geological Assistant Acton, Ontario	
	Field work, EM-16 survey, soil geochemical survey, diamond drill core handling and photography. 56 days at $100/day	$ 5,600.
	Office work; 20 day compilation of field work and pre-field organization. 20 days at $100/day	$ 2,000.
John Schneider	President Aurchem Exploration Ltd. Chemical Engineer, Metallurgist, General overall supervision of field work. 10 days at $250/day	$ 2,500.
Secretarial Office Costs	$1,000	$ 1,000.

A) Total Personnel Expenditures $ 38,880.

B) Rental Costs

1 Suburban 4 x 4 truck (2 months)	$ 2,897.
1 Ford Bronco 4 x 4 truck (3 weeks)	$ 536.
1 MP-2 Magnetometer Rental (3 months) (Scintrex)	$ 2,206.
1 EM-16 (VLF) Rental (Geonics) 13 weeks	$ 1,885.
B) Total Rental Costs	$ 7,524.

C) Miscellaneous Field Expenses

Hotels, meals, fuel, etc. for staff	$ 5,000.

D) Cost of Flights to Yukon

Cost of all flights	$ 8,046.

E) Diamond Drilling Costs

Cost of diamond drilling 4000 feet	$211,287.

F) Assay Expenditures

Cost of all assays by Bondar Clegg & Co. Ltd. Au, Ag, Pb, Zn, Cu, Hg, Te, As, Sb	$ 22,825.

G) D7 Cost for Trenching

Kondo Ent. - Carmacks	$ 1,520

H) General Equipment Expenditures

Equipment bought for summer field exploration	$ 1,910.

Summary of Expenditures

A)	Personnel Expenditures	$ 38,880.
B)	Rental Costs	$ 7,524.
C)	Miscellaneous Field Expenses	$ 5,000.
D)	Costs of Flights	$ 8,046.
E)	Diamond Drilling Costs	$211,287.
F)	Assay Expenditures	$ 22,825.
G)	Trenching Costs	$ 1,520.
H)	General Equipment	$ 1,910.
	GRAND TOTAL	$296,992.

For all expenditures receipts are available on request.

Mark Langdon
Manager - Geological Projects
Aurchem Exploration Ltd.

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Mineralogical Investigation of Sulphide and Oxide Ore for Mount Nansen Mines Ltd. (1969) Robard Schmidt.

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Feasibility Report - Mount Nansen Mine (1982) Dolmage, Campbell and Associated Ltd.

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Sampling Analysis of Gold Ores (1986) Mark Hannington.

A Canadian Cordilleran Model for Epithermal Gold-silver Deposits (1986) Andrejs Panteleyer.

Bostock (1936) Carmacks District, Yukon, Geological Survey, Canada. Mem. 169.

Appendix I - Drill Logs

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-1 LENGTH 311.5 ft
LOCATION 80 ft N90 from DDH87-12
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N 270° E DIP -60°
STARTED June 12, 1988 FINISHED June 14, 1988

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°	11270'			

HOLE # NO. 1 SHEET NO. 1
REMARKS Preliminary log

LOGGED BY M.L. & K.R.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	4	Overburden - no core
4	76	Potassium Silicate Granodiorite - no carbonate, fairly siliceous, less 1% sulphides - strongly magnetic, very little fracturing & veining up to 21 ft, then get chlorite - carbonate veining at a core angle of 55° with slightly calcareous fractures and veining from 21 ft, chlorite content increases down the hole, very small amount of manganese on chloritized fractures
76	78.5	Potassic / Propylitic Granodiorite - broken up, with fractures, thin carbonate veins - slighty calcareous, <1% sulphides - strongly magnetic
78.5	91.2	Potassium Silicate Granodiorite - slightly calcareous, randomly oriented carbonate chlorite fractures, strongly magnetic, like first 76 ft.
91.2	93	Dacite - magnetic, very calcareous with multiple calcareous veinlets, most veinlets at a core angle of 55° - very fine disseminated sulphides, <2 % sulphides - medium green grey

SAMPLE NO.	# OF PIECES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL

ASSAYS $	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible] Creek

HOLE NO. DDH-88-1 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FROM	SAMPLE TO	ASSAYS
93	103.5	Potassium Silicate Granodiorite - slightly calcareous, calcareous-chlorite fractures, veinlets - core angle 55°, < 1% sulphides					
103.5	104.2	Propylitic Granodiorite - broken up and mushy, abundant carbonate veins, magnetic, highly calcareous - no sulphides visible, partially oxidized					
104.2	111.8	Potassium Silicate Granodiorite - same as above - last foot, high carbonate content					
111.8	123	Dacite - slightly magnetic, slightly calcareous, disseminated sulphides < 2%, minor quartz eyes - lots of manganese at the contact; contact and core angles at 55° - calcareous veinlets - mottled medium-light-dark green grey to 114' - from 115' to 120 3% finely disseminated sulphide - randomly oriented carbonate veins - manganese at bottom contact as well					
123	125	Propylitic Granodiorite - broken up, partially oxidized, carbonate infilled fractures, < 2% sulphides, calcareous - slightly to non-magnetic					

DIAMOND DRILL RECORD

NAME OF PROPERTY Tuesday Creek

HOLE NO. DDH-98-1 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ. TON	OZ. TON	
125	127	Potassic / Propylitic Granodiorite - calcareous, strongly magnetic - minor carbonate veinlets, <1% sulphides										
127	130	Potassic Granodiorite - slightly calcareous with carbonate veinlets, magnetic - < 1% sulphides										
130	133.3	Propylitic Granodiorite - mostly reduced to mud, strongly magnetic - highly calcareous, partially oxidized, < 2% sulphides										
133.3	138	Potassic Granodiorite - calcareous, minor carbonate veinlets - < 1% sulphides, strongly magnetic										
138	139.5	Propylitic Granodiorite. - same as (130 - 133.3), - manganese @ 139.5										
139.5	145	Potassic Granodiorite - calcareous, slightly magnetic, multiple calcareous veinlets randomly oriented, < 1% sulphides										
145	149	Propylitic Granodiorite - non magnetic, very slightly calcareous, carbonate fractures have been silicified, 2-3% disseminated sulphide. - small sulphide veinlets										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH-88-1 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS
149	152	Argillic Granodiorite - non magnetic, very slightly calcareous - manganese in fractures - sulphide content increases from 3 to 5% as disseminations and small veinlets, partially oxidized						
152	154	Brecciated Quartz-Carbonate Sulphide Vein - carbonate has been silicified (honeycomb texture) - non magnetic, partially oxidized, highly brecciated - 12% sulphide						
154	156.5	Argillic Granodiorite - manganese at 156', a number of 0.5 cm sulphide veins, minor veinlets and sulphide patches - core angle 60°, non-magnetic - 5% sulphide						
156.5	157.5	Brecciated Quartz-Carbonate Sulphide Vein - core angle 55°, non-magnetic, silicified carbonate veins, sulphide veinlets, 12% sulphides - partially oxidized						
157.5	159	Argillic Granodiorite - same as (154-156.5) - slightly less sulphide ~4%.						
159	160	Propylitic Granodiorite - non magnetic, non calcareous						

ASSAYS				
	%	OZ. TON	OZ. TON	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH 4-88-1 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
										OZ/TON	OZ TON	
160	162	Argillic Granodiorite -non calcareous, non magnetic, manganese in fractures - partially oxidized, finely disseminated sulphides, < 1% increasing downwards										
162.	166.2	Argillic Granodiorite - slightly calcareous, non magnetic to slightly magnetic - carbonate veinlets, core angle 45° finely disseminated sulphido, < 1%, partially oxidized										
166.2	168.7	Argillic Granodiorite - strongly magnetic, non calcareous, broken up ... - minor carbonate veinlets - small shears., finely disseminated sulphides. - magnetism decreasing with depth										
168.7	182.5	Argillic Granodiorite - minor sulphide and silicified carbonate veinlets., non calcareous - core angle 50°, non magnetic, sulphides increasing with depth to ~ 10% @ 171' then decreasing to 175' - strongly magnetic at 172.8 - 173' - sulphide veinlets, stringers and disseminated starting @ 175', 1.5" vein of sulphides + silicified carbonate @ 176.5' - core angle 60° - sulphides decrease, < 2%, from 177' - 180', then increase - to ~ 15% as blebs and veinlets with carbonate - core angle 25°, sulphides decreasing @ 180.6' ,,1%										

DIAMOND DRILL RECORD

NAME OF PROPERTY Dixie Queen Creek

HOLE NO. DDH-88-1 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
182.5	186	Argillic Granodiorite - calcareous, magnetic to strongly magnetic - carbonate and sulphide veinlets, core angle 55°, - < 5% sulphides - soft + crumbly in places										
186	200.5	Argillic Granodiorite - silicified, partially oxidized to 188.8', < 5% sulphides - sulphide and carbonate veinlets increasing after 188.8' - core angle 55°, 10% sulphides - decreasing again - @ 190.5', < 5%, finely disseminated and minor veinlets - slightly calcareous - @ 197.5' sulphide veinlets and stringers, 15% sulphides, non magnetic										
200.5	202.5	Brecciated Quartz-Carbonate Sulphide Vein. - abundant carbonate - two types - earlier beige carbonate - later white carbonate - sulphide in massive veins several cm thick in core, and disseminated. - contains galena + sphalerite. - sulphide veins run parallel to core										
202.5	218.5	Argillic Granodiorite - non magnetic, slightly calcareous - finely disseminated sulphides - 15%, sulphide veinlets @ 207' - minor calcareous veinlets, increasing - small brecciated, calcareous - sulphide vein @ 209'										

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible] Creek

HOLE NO. WPM - DH-1 SHEET NO. 7.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE PHYSICS FROM	SAMPLE PHYSICS TO	SAMPLE PHYSICS WIDTH	ASSAYS	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- partially oxidized from 209' - 213.8', more calcareous - sheared at 214.5 along a sulphide vein, parallel to the core - sulphide occures as stringers, blebs, veinlets + disseminations ~10% sulphides										
218.5	237	Propylitic Granodiorite (shear zone starts) - calcareous, sulphide veinlets, carbonate veinlets - sheared - broken + crumbly - 2-3% sulphides - magnetic - increased calcite veining @ 222' - 223.5' - core angle 65° - 228.5' - 237' - has been brecciated, smear marks throughout, < 2% sulphides										
237	241.5	Sheared Argillic Granodiorite + Sulphides - - very calcareous, 10% sulphide - slightly magnetic, sulphide veins contain galena + sphalerite - like blue mud.										
241.5	244.5	Propylitic Granodiorite - minor quartz-sulphide stringers - 2% sulphide, slightly magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible] Creek

HOLE NO. DDH-88-1 SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE WIDTH FROM	SAMPLE WIDTH TO	SAMPLE WIDTH TOTAL	ASSAYS				
244.5	246	Sheared Argillic Gd with Sulphide Veins - less than previous zone (237-241.5) < 1% sulphides - slightly calcareous, non magnetic										
246	247.8	Sheared Propylitic Gd. - < 1% sulphides - strongly magnetic. - slightly calcareous										
247.8	249.5	Sheared Argillic Gd. - quartz sulphide vein with galena, randomly oriented - 4% sulphide, highly calcareous - non magnetic										
249.5	256	Sheared Propylitic Gd. - carbonate veinlets, strongly magnetic - 2% sulphides, 255-256' a sulphide vein - 4% sulphide										
256	258	Bleached Diorite - sulphide and carbonate veins, core angle 54° - highly calcareous, non magnetic, 7% sulphide										
258	265	Diorite - sheared + carbonated, carbonate stockwork - strongly magnetic, < 2% disseminated sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible] Creek

HOLE NO. TDH-88-1 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON	
265	267.5	Bleached Diorite - 25° core angle contact, highly calcareous - carbonate stockwork, 5% sulphide - in veinlets - galena + pyrite sulphide veins, non magnetic										
267.5	280.5	Diorite - strongly magnetic, calcareous - < 1% sulphides, strong carbonate stockworks - still within the shear zone										
280.5	287	Bleached Diorite - carbonate stockwork, sulphide veinlets, very calcareous - 280.5'-283.2' < 4% finely disseminated sulphide - 6" patch of unbleached diorite @ 282. - 283.2-287' < 5% sulphides, pyrite & galena in veins										
287	295.2	Diorite - same as 267.5 to 280.5, lots of shearing - 2% sulphides from 289-289.2 on shear surfaces - diorite is partially bleached - strong carbonate stockwork										
295.2	299.2	Bleached Diorite. - calcareous, strong carbonate stockwork, sulphide veinlets - 4% sulphides, - tiny (0.5) cm "silver" wire - fresh diorite from 297.1-298 - partially bleached 298-299.2 } finely disseminated sulphides, 2%										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. PDH-88-1 SHEET NO. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ. TON	
299.2	306.5	Diorite - strongly magnetic, calcareous, strong carbonate stockwork - still in shear zone, <1% sulphides										
306.5	308	Bleached Diorite Vein Zone (Sheared) - very calcareous, 10% sulphides, core angle 45° - non magnetic										
308	311.5	Diorite - Same as 299.2 - 306.5'										
311.5		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek
HOLE NO.: DDH-88-2 LENGTH: 603'
LOCATION: L12+38S / 12+15E
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: N60°E DIP: -55°
STARTED: June 14, 1988 FINISHED: June 19/88

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-55°	N60°E			
603'	-52°	N60E			

HOLE NO. [illegible] SHEET NO. 1
REMARKS Preliminary Log
LOGGED BY N.R. + A.L.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS $	ASSAYS ¢	ASSAYS OZ/TON
0	7.2	Overburden - broken up potassium silicate granodiorite							
7.2	28.5	Potassium Silicate Granodiorite - minor carbonate veinlets, randomly oriented - strongly magnetic, <1% sulphides - partially oxidized in fractures starting @ 19' - minor carbonate sulphide veinlets @ 22', diorite? inclusions.							
28.5	29	Ice							
29	34	Propylitic Granodiorite - strongly magnetic, stockwork chlorite: magnetite veins, minor sulphide veinlets, <2% sulphides - @ 33' there is 6" of 5% magnetite							
34	36	Potassium Silicate Gd. - magnetic, same as 7.2-28.5							
36	45.5	Propylitic Gd. - partially oxidized in fractures - 38-39' potassium granodiorite patch							

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH-BB-2 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS $	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
		- slightly magnetic, minor carbonate veins - epidote around 31', <1% sulphides									
45.5	49.5	Potassic Granodiorite - magnetic, minor chlorite carbonate veinlets - core angle 50°, <1% sulphides									
49.5	51	- Propylitic Gd. - small fault @ 51', core angle 50° - calcareous, magnetic, < 1% sulphides									
51	53.5	Potassic Gd. - minor carbonate & chlorite veinlets - strongly magnetic, < 1% sulphides									
53.5	58	Propylitic Gd. - carbonate chlorite veinlets, slightly magnetic - 55.5 - 56.5' silicified section, ~ 2% sulphides,									
58	64.8	Potassic Gd. - chlorite - carbonate veinlets, core angle 55° - strongly magnetic,									
64.8	66	Propylitic Gd. - manganese rich, partially oxidized									

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek

HOLE NO.: DDH-88-2 SHEET NO.: 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- nonmagnetic, slightly calcareous										
66	72.2	Potassium Silicate Gd.										
		- minor chlorite - carbonate veinlets.										
		- carbonate sulphide vein @ 68' - 60° core angle, 2" propylitic granodiorite on either side										
		- <1% sulphides										
72.2	78	Propylitic Gd.										
		- strongly magnetic, calcareous										
		- minor carbonate + chlorite veinlets										
		- <1% sulphides,										
		- silicified from 75.5 - 76.3, - more carbonate veins &										
		- chorite										
		- broken up 77' - 78',										
78	80.5	Propylitic Gd. (Mud)										
		- carbonate sulphide veins. ground up										
		- from 78.8 - 79.6 - nearly argillic										
		- mud from 78 - 79.2, very calcareous										
		- <2% sulphides										
80.5	88	Potassium Silicate Gd.										
		- magnetic, non calcareous										
		- minor chlorite + carbonate veinlets, core angle 57°										

DIAMOND DRILL RECORD

NAME OF PROPERTY Dixon-y Creek

HOLE NO. DDH-88-2 SHEET NO 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE SULPH	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
88	90.5	Propylitic Gd. - magnetic, noncalcareous, minor chorlet carbonate veinlets - <2% sulphides, - sulphide-quartz veinlet, <1cm at 89.5', core angle 15° - minor chalcopyrite, sphalerite in veinlet.										
90.5	96.8	Potassium Silicate Gd. - magnetic, non calcareous except on fractures - <1% sulphides, partially oxidized in fractures - chloride veinlets										
96.8	102.5	Propylitic Gd. - slighty magnetic, slightly calcareous, chlorite-carbonate veinlets, core angle 45°, minor carbonate stock work - potassic/propylitic from 97.5 to 98' - quartz-carbonate vein with very minor sulphides at 101.2', core angle 55° - <1% sulphides										
102.5	108.2	Potassium Silicate Gd. - magnetic, noncalcareous except for fractures - core angle 35°, <1% sulphides										
108.2	109.5	Propylitic Gd. - quartz- minor sulphide veinlet at 108.2'-core angle 70° - extensive carbonate stockwork from 109'-109.5										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH-89-2 SHEET NO 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- non magnetic, - manganese in fractures, partially oxidized in fractures - < 2% sulphides										
109.5	110.8	Potassic Gd - non calcareous, chlorite veinlets, magnetic - < 1% sulphides										
110.8	114.4	Propylitic Gd. - broken up, calcareous, magnetic - <2% sulphides										
114.4	118.5	Potassic Gd. - non calcareous, strongly magnetic - core angle 50°, minor carbonate veinlets - < 1% sulphides, minor manganese in fractures										
118.5	122.5	Propylitic Gd. - broken up, oxidized, magnetic, very calcareous - sulphide veinlet at 121.2', core angle >70° and at 121.5', core angle 55° - 2% sulphides finely disseminated + veinlets.										
122.5	123.8	Argillic Gd. slightly - slighty magnetic, calcareous, partially oxidized - < 1% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek

HOLE NO. DDH-89-2 SHEET NO 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
123.8	126	Argillic Gd with Sulphide veins - sulphide veinlet at 123.8', core angle 55° - "second phase" veins - galena sulphide quartz veins - non calcareous, non magnetic, partially oxidized - 5% sulphide										
126	127.5	Propylitic Gd - minor sulphide veins, very slightly calcareous - partially oxidized, very slightly magnetic - last 6" is totally oxidized - 3% sulphides										
127.5	133.5	Argillic Gd / Vein Material - non calcareous, non magnetic - "secondary" galena sulphide veins - 15% sulphides, - between 132 - 132.5' get 20% sulphides										
133	137.5	Oxidized Argillic Gd - non calcareous, magnetic - core angle 45°, 2% sulphides										
137.5	141	Oxidized Propylitic Gd - minor manganese, non calcareous, carbonate in fractures - strongly magnetic, < 2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek

HOLE NO.: DDH-88-2 SHEET NO.: 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE FROM	SAMPLE TO	SAMPLE TOTAL	ASSAYS				
141	156.3	Potassic Gd. - magnetic, slightly calcareous - carbonate in fractures, < 2% sulphides - minor chlorite veinlets, very minor carbonate-sulphide veinlets - oxidized in fractures - minor ground up sulphide vein at 153.5'									
156.3	159	Argillic Gd. / Vein Material - 20% vein material - carbonate - quartz - sulphides - core angle 45°, nonmagnetic - 10% sulphides									
159	164.4	Propylitic Gd - slightly sheared, calcareous with carbonate veins, partially oxidized - < 2% sulphides, slightly magnetic - core angle 45°									
164.4	170.9	Argillic Gd. / Carbonate-Quartz Sulphide Veins - noncalcareous, non magnetic, carbonate veins. - core angles variable - 40°-60°, 45° average - minor manganese at 169.5' - from 164.6 - 166' - 5% sulphides									

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

DRILL HOLE NO DDH-89-2 SHEET NO 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- from 166 to 167' - 10% sulphides - from 167 to 169' - 8% sulphides - from 169 to 170.9 - 4% sulphides									
170.9	174	Propylitic Gd - non calcareous, magnetic, minor carbonate in fractures - core angle - 50°									
174	181	Potassium Gd. - slighty calcareous, carbonate in fractures - chlorite veinlets, strongly magnetic, < 1% sulphides									
181	182.6	Propylitic Gd - quartz carbonate sulphide veins - calcareous, 3% sulphides, non magnetic - core angle 45°									
182.6	193.5	Potassic Gd - same as 174 - 181.									
193.5	200.8	Propylitic Gd - calcareous, magnetic - stockwork carbonate, very minor carbonate sulphide stringers, < 2% sulphides - carbonate content increases after 197									

LANGRIDGES – TORONTO – 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek

HOLE NO.: DDH-88-2 SHEET NO.: 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
200.8	213.8	Potassic / Propylitic Gd MIXTURE - calcareous, carbonate content increasing down hole - magnetic, very minor carbonate stockwork with sulphides, <2% sulphides - carb/sulph veinlets increase down hole to 3% at end.									
213.8	216	Argillic Gd - oxidized in fractures, noncalcareous, nonmagnetic - 3% sulphides, in tiny veinlets									
216	216.5	Calcareous Sulphide Vein Material - very calcareous, partially oxided, 5% sulphide -									
216.5	217	Altered Dacite Dyke - 5% sulphide, very calcareous, magnetic - slightly sheared									
217	220	Brecciated Vein Material Mixed With Argillic Gd. - very calcareous, 10% sulphides									
220	221.2	Argillic Mud - <1% sulphide, noncalcareous									

DIAMOND DRILL RECORD

NAME OF PROPERTY: Downey Creek

HOLE NO.: DDH-88-2 SHEET NO: 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ/TON	OZ/TON	
221.2	223	Argillic Gd. - non calcareous carbonate in fractures - non magnetic, heavily chloritized, <1% sulphides										
223	224.3	Propylitic Gd - < 2% sulphides, partially oxidized in fractures - non calcareous										
224.3	226.5	Argillic Gd. - noncalcareous, partially oxidized in fractures - < 2% sulphides										
226.5	228	Propylitic Gd - same as 223-224.3										
228	229	Argillic Gd. With Minor Quartz Sulphide Veinlets - calcareous - non magnetic - 3-4% sulph as dissem + veins.										
229	240	Propylitic Granodiorite 229-231 → silicified, non magnetic, <2% sulph. - minor quartz veinlets, core angle of 50° 231-233.5 → slightly calcareous, very magnetic, <2% sulph. 233.5-235 → non magnetic, non calcareous, silicified, <2% sulph. 235-240 → stale endi, calcareous, non magnetic - <2% sulph.										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
240	247.5	Potassium Silicate Granodiorite - multi-chlorite veins. - minor carb stub (calcareous. - < 1% sulph. - strongly magnetic - diorite veins at 55° core angle (good.)										
247.5	249	Propylitic Granodiorite - strongly magnetic - calcareous. - < 2% sulph. - broken c/p + mushy.										
249	254	Argillic Granodiorite with Sulphide Veins. - non calcareous - non magnetic 249 - 253 → 6% sulph 253 - 254 → 3% sulph.										
254	255	Propylitic Granodiorite - strongly magnetic - calcareous with carb stubs. - chloride stub. 2% sulph.										
255	255.6	Argillic Gd with Sulph. same as 249-254										
255.6	257.5	Propylitic Gd - same as 254-255										
257.5	258	Argillic Gd with Sulph. same as 249-257.5										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
258	265-5	Propylitic Gd - strongly magnetic → some magnetite veinlets - ~~fracture~~ carb stwk → calcareous - ~2% sulph. - rust with carbonate. - sample D2-88-100 has 3 magnetite veins in it.									
265-5	276-5	Argillic Granodiorite with Sulph Stringers. - good core angles at 35° - calcareous → carb stwk with sulph. - sulph veins ≈ 4-5% sulph. (third 1.5ft 2% sulph.) - light blue green colour. - non magnetic.									
276-5	283	FAULT – Propylitic Gd. - a 1ft section of mud at 276-5 and at 282-283 - all broken up in between - minor argillic pieces - non magnetic to slightly magnetic - very calcareous - 2% sulph.									
283	285-5	Argillic Gd. with Sulph Veins ≈ 5% sulph. - calcareous. - carb/sulph vein at 35° core angle. - non magnetic.									
285-5	299-4	Potassium Silicate Gd. - minor carb/sulph stringers throughout - ≈ 2% sulph.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. 1968	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS $/TON	ASSAYS OZ/TON	ASSAYS
		- slightly calcareous because of carb/sulph veins. - where veins go through rock is argillic halo. - strongly magnetic.										
299.4	301	Argillic Gd with Sulph Veins. - 6% sulph from sulph/carb/qtz veins - slightly calcareous - rock appears silicified. - 60° core angle.										
301	310	Potassium Silicate Gd. - strongly magnetic - slightly calcareous → carb and carb/chlorite veins at 45° core angle - ≃ 2% sulph → minor carb/sulph veinlets (307.5, 309										
310	320	Propylitic with Minor Argillic & Potassic Gd Mixture - 40% propylitic, 10% argillic, 50% potassium Silicate - where sulph veins go through rock is propylitic or argillic - calcareous throughout (carb stain.) - potassic sil. is very magnetic + rest is non magnetic. - overall about 2% sulph.										
320	323	Argillic Granodiorite/Vein (qtz/sulph) - 6" vein at 321.5 to 322 → 20% sulph of pyrite, sphalerite, galena and probably enargite. - rest has small veinlets running through argillic gd (carb, chl, sulph) - 320 to 321 → 5% 321 to 322 → 15% 322 to 323 → 3% 55° core angle (excellent - no carbonate, non magnetic.											

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE PULP NO 1988	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
323	324.3	Propylitic Gd. - calcareous, nonmagnetic - carbonate veinlets - <2% sulphides										
324.3	327.3	Potassium Silicate/Propylitic Gd - 80% potassium silicate. - slightly calcareous, minor quartz, carbonate sulphide veins - strongly magnetic, <2% sulphides										
327.3	329	Propylitic Gd - quartz sulphide vein 1cm across @ 327.5', pyrite + minor sphalerite, core angle 55° - with the exception of the vein the gd is <2% sulphide - strongly magnetic										
329	332	Argillic Gd with Quartz Sulphide Veins - blue mud smears - small shears, - calcareous to very calcareous - 10% sulphides										
332	333.4	Argillic Gd. - non calcareous, non magnetic, - <1% sulphides										
333.4	337	Propylitic Gd - crumbly, sheared - noncalcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- <2% sulphides										
337	339	Argillic Gd.										
		- non calcareous, non magnetic										
		- minor quartz-sulphide veins surrounded by small (1-2cm) propylitic alteration zones										
		- <2% sulphides										
339	341.3	Propylitic Gd										
		- noncalcareous, strongly magnetic										
		- <1% sulphides										
		- pink 'veins' (0.25-2cm) core angle 45°, possible tiny dykes										
341.3	344.8	Argillic Gd										
		- non calcareous, non magnetic										
		- quartz-sulphide veinlets @ 342 with propylitic alteration, 5% sulphides 342 - 342.2'										
		- <1% sulphides 341.3 - 342', 342.2 - 344.8										
344.8	353	Propylitic Gd										
		- very calcareous, crumbly from 345 - 346.2'										
		- 4 inch piece of argillic, noncalcareous 346.2 - 346.5'										
		- <1% sulphide 344.8 - 346.5										
		- propylitic noncalcareous from 346.5', magnetic										
		- <2% 346.5 - 353										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
353	356	Argillic Gd. - non calcareous - carbonate - quartz veins, core angle 52° - <1% sulphide
356	359.5	Propylitic Gd - strongly magnetic - non calcareous - barren 0.5cm quartz vein, @ 357.5', core angle 55° - <1% sulphides
359.5	361.5	Argillic Gd with carbonate sulphide Veins - slightly calcareous - quartz carbonate sulphide Veins, core angle 55° - some galena - 5% sulphide
361.5	363	Argillic Gd. - calcareous, - < 1% sulphide
363	377	Propylitic Gd - core angle - 55°, non calcareous - strongly magnetic - 4" argillic patch @ 264.5' - minor carbonate veinlets - carbonate in fractures @ 376' - <1% sulphides

SAMPLE NO	SULPH	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ/TON	OZ/TON	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

DRILL NO. DDH-88-2 SHEET NO. 16

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
377	381.5	Argillic Gd. - calcareous, core angle 55° - <2% sulphide
381.5	387	Quartz Sulphide Vein with Argillic Gd. & Dacite(?) - core angle 55° - non calcareous, 7% sulphides, - dacite is pale green, contains sulfasalts - breaks up white granular as seen in 4H-trench
387	390	Quartz Sulphide Vein - calcareous, - sulfasalts - 15-20% sulphides
390	393	Quartz Sulphide Vein with Argillic Gd. - slightly calcareous - contains sulfasalts - 5% sulphides 390-391' - 3% sulphides 391-393
393	407.5	Argillic Gd - non calcareous - <2% sulphide 393-396.5 - minor carbonate stockwork - 3% sulphide 396.5-401.3 <2% " " 401.3-407.5 - some galena

SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	ASSAYS g	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO DDH-88-2 SHEET NO 17

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
407.5	411.5	Quart Sulphide Vein with Argillic Gd. - core angle 50°, 55° - slightly vuggy @ 408' - 10% sulphide - calcareous - partially silicified (silicified arb/gangue/sulph min) - minor galena - partially brecciated
411.5	413	Argillic Gd. (slightly sheared) - calcareous, nonmagnetic, - <1 % sulphide
413	416.3	Propylitic Gd (slightly sheared) - calcareous, carbonate stockwork - 2% sulphide
416.3	417.4	Argillic Gd - slightly calcareous - <1% sulphide - slightly sheared.
417.4	424.5	Propylitic/Argillic Mixture - slightly calcareous - <2% sulphides, partially oxidized - slightly sheared
424.5	433	Propylitic Gd (Slightly sheared) - highly calcareous, carbonate in fractures - magnetic, - <2% sulphides, core angle 65°

SAMPLE NO	SAMPLE TYPE	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	ASSAYS $	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO 18

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		-partially oxidized.										
		- @ 428'. becomes slightly calcareous										
433	449	Propylitic / Potassium Silicate Gtd Mixture										
		- slightly sheared, strongly magnetic										
		- non calcareous 433 - 434.5										
		- highly calcareous 434.5 - 436.8'										
		- slightly calcareous 436.8 - 442.5										
		- < 1% sulphides										
449	480	Argillic Gtd / Blue Mud Vein (slightly sheared)										
		- very calcareous										
		- minor galena, sphalerite veins										
		- probable fault @ 449.5'										
		- 10% sulphide 449 - 451'										
		- 5% sulphide 451 - 455.2'										
		- 7% sulphide 455.2 - 462'										
		- 4% sulphide 462 - 464'										
		- 10% " " 464 - 473'										
		- 4% " " 473 - 480'										
		-non magnetic										
480	489	MUDDY ARGILLIC/PROPYLITIC MIXTURE										
		≈2% sulph										
		- calcareous										
		-non magnetic										
		- similar to blue mud material but almost no sulphides + bands of dioritic intrude. (minor carb veins.)										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO 19

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	ASSAYS
487	492	Argillic - Gd. - (Slightly Chloritized) - very slightly calcareous near small carb. veins - slightly sheared - non magnetic - < 2% sulphide.										
492	494.5	Argillic Gd - slightly calcareous, nonmagnetic - 3% sulphides - in patches. - slightly sheared										
494.5	497.5	Propylitic Gd - strongly magnetic - slightly calcareous, sheared - argillic patches, - < 1% sulphides										
497.5	509.8	Argillic Gd - non calcareous to very slightly calcareous - non magnetic - Slightly sheared, partially oxidized - reddish streaks - <2% sulphides 497.5 - 502.5' - 4% sulphides 502.5' - 509.8' - carbonate sulphide veins. - core angle 55° - minor chloritized patches - last foot partially silicified											

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO 20

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ./TON	ASSAYS
509.8	514.7	Propylitic Grd - strongly magnetic - slightly calcareous - <2% sulphides										
514.7	522	Argillic Grd - nonmagnetic - chloritized patches 514.7'- 517' - calcareous 514.7-516, non calcareous 516- - sheared - 3% sulphide - core angle 60° - carbonate stockwork begins @ 519.8', has been silicified										
522	527.9	Propylitic Grd - extensive carbonate stockwork- silicified. - nonmagnetic, slightly sheared - 2% sulphides, 522'- 525.5' - 4% sulphides 525.5-527.9 - argillic 524.5-525.5 - core angle 70°										
527.9	545	Argillic Grd (with sulphide Veins) - noncalcareous, nonmagnetic - slightly sheared - 3% sulphides 527.9- 531.4-										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO. 21

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- 5% sulphides 531.4 - 535', silicified carbonate-sulphide stockwork, blue mud vein 532.5 - 533' - 10% sulphides, 535 - 535.5', silicified carbonate sulphide veins up to 2 cm across, core angle 70° - 2% sulphides 535.5' - , core angle 50° - 6" propylitic material at 542'										
545	548	Propylitic Gd - strongly magnetic, noncalcareous - < 1% sulphides										
548	573	Argillic Gd - noncalcareous, nonmagnetic - 4% sulphides - finely disseminated - black sulphide mineral -										
573	582.8	Propylitic Gd - magnetic, calcareous - < 2% sulphides, minor carbonate sulphide veins, core angle 60° - more argillic in places - last 1.5' partially oxidized										
582.8	586	Propylitic Gd with Carbonate - Sulphide Veins (abundant) - highly calcareous, carbonate stockwork, - slightly sheared, partially oxidized										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-2 SHEET NO. #2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE BULK	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS g	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
		- 4% sulphides, non magnetic - Argillic patch 584' - 585'										
586	603	Propylitic Gd - strongly magnetic, noncalcareous - partially sheared, partially oxidized - 2% sulphides 586 - 592.6, becomes calcareous @ 592.6 - carbonate sulphide vein @ 593.5', 4cm across, core angle 50° - 7% sulphide 592.6 - 594' - 2% sulphide 594 - 603', carbonate-sulphide veinlets End of Hole 603'										

LANGRIDGES – TORONTO – 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek.
HOLE NO. DDM-88-4 LENGTH 250'
LOCATION L14+335 / 11+92E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N60° DIP -55°
STARTED June 22 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-55	N60°			
250'	-49°	N60°			

HOLE NO. 4 SHEET NO. 1
REMARKS Prelim.

LOGGED BY M. Longdon / K. Ross

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SUBMITTED	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
0	13	OVERBURDEN - mixture of propylitic & pot. silicate granodiorite. - last 2 feet show strong manganese.										
13	13.5	Propylitic Granodiorite - reduced to sandy mush. - manganese rich & totally oxidized. - non magnetic - no carbonate										
	*	NOTE; at 13.5 is 1 foot of cave in from top of hole.										
13.5	14	ADVANCED ARGILLIC Granodiorite - white mud. - mostly oxidized. - non calcareous - no carbonate										
14	20	OXIDIZED ARGILLIC GRANODIORITE - manganese rich - noncalcareous - nonmagnetic										
20	30.8	Propylitic Granodiorite - noncalcareous, carbonate in fractures - strongly magnetic - manganese in fractures - <1% sulphides										

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE Inches	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
30.8	31.7	Argillic Granodiorite - core angle 65° (poor) - carbonate veins, very slightly calcareous. - 2% sulphide										
31.7	36.9	Potassic Gd. - noncalcareous - strongly magnetic - partially oxidized in fractures - <1% sulphide										
36.9	37.9	Propylitic Gd - noncalcareous, - magnetic										
37.9	39.4	Oxidized Argillic Gd. - muddy - carbonate vein, core angle 45° - noncalcareous - 2% sulphide										
39.4	41.5	Potassic Gd - non calcareous, magnetic - <2% sulphides - carbonate in fractures, fractures partially oxidized										
41.5	43	Propylitic Gd. - very slightly calcareous - very strongly magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-80-4 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
43	46	Oxidized Argillic Gd. - noncalcareous - minor manganese - last 3 inches, almost mud, highly calcareous - 2% sulphides										
46	47.3	Propylitic Gd - noncalcareous - strongly magnetic - core angle 40° - <1% sulphides										
47.3	54.5	Potassic Gd - noncalcareous - strongly magnetic - core angle 50° - calcareous, partially oxidized fractures - <1% sulphides										
54.5	55	Oxidized Argillic Gd WM ?? - totally oxidized sulphide vein, core angle 50° - noncalcareous - manganese										
55	60	Propylitic Gd - noncalcareous, magnetic - minor manganese - <1% sulphide										

DIAMOND DRILL RECORD

NAME OF PROPERTY: [redacted]

HOLE NO. DDH-89-4 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE [illegible]	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
60	61	Oxidized Argillic Gd - Abundant Manganese - forms a black coating on fractures - non magnetic, noncalcareous - <1% sulphide										
61	67	Propylitic Gd / Potassic Gd Mixture - non calcareous - manganese - partially oxidized in fractures, oxidation increasing in patches - minor manganese - <1% sulphide										
67	74.5	Potassic Gd - noncalcareous - strongly magnetic - very minor manganese - <1% sulphide										
74.5	75	(Advanced) Argillic Gd - noncalcareous to calcareous - <2% sulphides										
75	77.5	Propylitic Gd - partially oxidized - slightly calcareous - strongly magnetic - <1% Sulphides - minor carbonate sulphide veins										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	ASSAYS
77.5	88	Potassium Gd. - very slightly calcareous - strongly magnetic - calcareous mud at 80' to 80.5' (propylitic/fault) - <1% sulphides									
88	93	Propylitic Granodiorite - minor potassium silicate granodiorite - at 88.5 is a 1" wide qtz/minor carb/pyrite/minor galena vein. with a core angle of 58° (good) → manganese near vein. - 88-90 → very slightly calcareous, 2% sulph, very slightly magnetic. 90- → same but <1% sulph.									
93	95	Potassium Silicate Gd. - non calcareous - slightly magnetic - <1% sulph.									
95	97	Propylitic Gd. - non magnetic - no carb. - <2% sulph - at 95.5 is 2 qtz stringers with manganese & <2% sulph.									
97	99	Potassium Silicate Gd. - strongly magnetic - non calcareous - <1% sulph. - some chlorite/silicified carb stuff.									
99	101	Argillic Gd with Sulph - first foot is propylitic gd sheared with sulph on shears. → calcareous, 2% sulph, non magnetic (minor fault?) 100-101 → argillic gd with 40% sulph. → calcareous with silicified patches, non magnetic.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE (SULPH) FOOTAGE FROM	SAMPLE (SULPH) FOOTAGE TO	SAMPLE (SULPH) FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	
101	104	Propylitic/Potassic Gd Mixture. -strongly magnetic -slightly calcareous with rusty carb varialets. -< 2% sulph.									
104	106	SILICIFIED ARGILLIC Gd with Sulph -multiqtz/carb veins in light grey gd. (silicified) -slightly calcareous. -4% sulph → minor galena & grey/black sulph. -non magnetic -core angle ≈ 25°									
106	112	Potassium Silicate Gd -non calcareous -strongly magnetic -<1% sulph									
112	113	Propylitic Gd. -35° core angle -many chlorite/carb/minor sulph veins. -calcareous. -≈2% sulph. -strongly magnetic									
113	120	Potassium Silicate Gd → (shear zone near) -carb on fractures (slightly calcareous.) -very strongly magnetic -<1% sulph. → at 116 dark marker steel to show carbonate content increases with more fractures. → sheared at 55°									
120	126	SHEAR ZONE - SHEARED PROPYLITIC Gd. -highly chloritized with slippery/greasy texture - calcareous with carb on all shears. - dark green colour - minor pyrite → 2%									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ./TON	ASSAYS
		- core angle at 126' is 50°										
		- strongly magnetic										
126	127	Propylitic Gd										
		- not sheared										
		- 2% sulph.										
		- slightly calcareous.										
		- non magnetic										
127	136	Propylitic/Potassic Mixture										
		- very slightly calcareous.										
		- magnetic										
		- < 1% sulph										
		- very pink stnd. with chlorite/carb stwk.										
		* at 130.5 to 131.5 is a small argillic/propylitic patch with a quartz/carb/rhyolite? vein										
		→ fine grained qtz rich pink rhyolite, minor qtz, 2% sulph. 45° core angle of vein.										
		→ granodiorite almost seems potassium enriched because of pink colour (getting near to granite composition in patches)										
136	142.5	Propylitic Granodiorite										
		- core angle of 52°										
		- chlorite/qtz stockwork.										
		- some qtz/sulph stringers → at 30° core angle.										
		- non calcareous.										
		- slightly magnetic to magnetic										
142.5	144.5	Argillic Gd with Veins.										
		- at 143.3 (core angle of 65° ignored) is a 1.75" quartz vein with pyrite/galena/sphalerite.										
		- ± 4% sulph overall. (dissem. pyrite in rest.)										
		- non calcareous.										
		- non magnetic.										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
144.5	150.5	Propylitic Gd. - chlorite stwk. - very minor carb on some fractures. (→ non calcareous. < 2% sulph. - strongly magnetic										
150.5	152.5	Argilic/Propylitic Gd. - not quite argillic - no carb - non magnetic - minor 1mm pyrite/galena/qtz veinlets. - overall 3% sulph.										
152.5	157.6	Propylitic Gd. - non calcareous, nonmagnetic - other than magnetite patches - carbonate stockwork - pyrite in with chlorite, abundant magnetite - small chlorite · pyrite vein @ 155.5 - 156' - < 3% sulphides overall										
157.6	159.5	Argilic Gd - noncalcareous, nonmagnetic - core angle 40°, carbonate sulphide vein - < 2% sulphides										
159.5	163.4	Potassic Gd. - noncalcareous, magnetic - < 1% sulphides - minor chlorite veinlets										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	ASSAYS
163.4	165.3	Propylitic Gd - non magnetic, noncalcareous - chlorite + carbonate veinlets - 3% sulphides										
165.3	193	Potassic Gd / Propylitic Gd Mixture - noncalcareous, nonmagnetic to magnetic - carbonate sulphide veinlets, - (minor) - core angle 45°-55° - potassium zones very pink - < 2% sulphide - everything is slightly silicified - becomes slightly calcareous @ 176' - 55° core angle - purple carbonate vein @ 175.7' - carbonate-sulphide vein @ 180.5' - overall < 2% sulphides											
193	195.5	Argillic Gd with Sulphides - ≈ 3-4% sulph as qtz/sulph stringers (minor galena) - non calcareous (faintly rusty siliceous) - non magnetic - 50° core angle										
195.5	196.8	Propylitic Gd - non magnetic - non calcareous - 2% sulph										
196.8	202.5	Potassium Silicate Gd - forms propylitic rock veinlets - mainly very pink (K-spar) rich gd with minor veinlets of										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-RE-4 SHEET NO 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. ORES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		qtz/carb/pyrite/sphalerite/galena. - core angle of 50° but some go to 70°. - chlorite veins throughout - very hard & siliceous rock./ magnetic - slightly calcareous only on → non calcareous.										
202.5	204.2	Propylitic Gd - non calcareous, - with carbonate-sulphide veins. - slightly magnetic - pyrite, sphalerite, galena - 3% sulphides										
204.2	206.3	Argillic Gd - noncalcareous, slightly magnetic - carbonate veins - disseminated sulphides and as carbonate-chlorite-sulphide veins - Core angle 40-55° - 4% sulphides										
206.3	211	Potassic/Propylitic Gd Mixture - very slightly magnetic to very strongly magnetic - noncalcareous - disseminated sulphides - chlorite-carbonate-sulphide veins - <2% sulphide										
211	213.5	Argillic/Propylitic Gd Mixture - 50° core angle (good - noncalcareous - contains galena, magnetite - 3% sulphide										
213.5	214.8	Argillic Gd - noncalcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH - 88 - 4 SHEET NO. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ/TON	ASSAYS
		- 3% sulphides										
214.8	216.5	Sheared Rhyolite Dike with Sulphide Veins										
		- sheared to mud with fine sulphides in it										
		- 5% sulphides										
		- non calcareous										
216.5	217	6 inch Massive Sulphide Vein										
		- slightly calcareous										
		- core angle 40° (good)										
		- 50% Sulphide										
		- 5% chalcopyrite, contains sphalerite										
217	221.6	Argillic Gd										
		- noncalcareous, nonmagnetic										
		- slightly sheared										
		- disseminated sulphides, minor sulphide veinlets										
		- 4% sulphides										
221.6	227	Propylitic Gd										
		- magnetic, slightly calcareous										
		- slightly sheared										
		- < 2% Sulphide										
227	227.5	Sheared Rhyolite Dyke										
		- sheared to mud										
		- <1% sulphide										
		- slightly calcareous										
227.5	229	Propylitic / Potassic Gd										
		- strongly magnetic, noncalcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-4 SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- <1% sulphide										
229	231	Argillic Gd. -										
		- muddy 229-231 - <2% sulphide										
		- hard 231-232 - 3% sulphide										
		- slightly calcareous, nonmagnetic										
		- Sheared										
231	249.2	Potassic Gd										
		- noncalcareous, strongly magnetic										
		- carbonate in fractures										
		- <1% sulphide - little bit on shears										
249.2	250	Rhyolite / Dacite Dyke										
		- very strongly magnetic										
		- calcareous, fine grained										
		- dark green, disseminated pyrite										
		End of Hole @ 250'										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-5 LENGTH 321 Ft.
LOCATION 14+335/1192E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N245° DIP -65°
STARTED June 19/88 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°	N245°			
321	--				

HOLE NO. DDH 88-5 SHEET NO. 1
REMARKS Preliminary Log

LOGGED BY HR & AL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	8	Overburden										
8	23.4	Potassium Silicate Granodiorite - strongly magnetic, slightly calcareous, carbonate in fractures - partially oxidized in fractures										
23.4	25.7	Oxidized Argillic Granodiorite - non magnetic, slightly calcareous - core angle 25° - quartz carbonate veins - minor carbonate - strong manganese										
25.7	44.2	Potassium Silicate Granodiorite - strongly magnetic, slightly calcareous - minor patches of propylitic - carbonate veinlets, core angle 55° - minor manganese in fractures - partially oxidized in fractures										
44.2	47.5	Oxidized Argillic Granodiorite (with manganese) - Manganese staining, manganese veins - non calcareous, non magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IBES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
47.5	50	Oxidized Argillic Gd - totally oxided, no carbonate, nonmagnetic - very broken up, mushy										
50	64.5	Oxidized Argillic Gd / Advanced Argillic Gd - gravelly - lots of gravelly white quartz - non calcareous, nonmagnetic - probably secondary white mud vein - partially oxidized, partially vuggy - 2% sulphide - possible core angle 30°										
64	65	Oxidized Argillic Gd - non calcareous, nonmagnetic										
65	70.5	Oxidized Argillic / Advanced Argillic Gd - same as 50-64'										
70.5	72.5	White Mud - last half is oxidized white mud.										
72.5	80.5	Oxidized Argillic - 72.5 - 74.5' is muddy, non calcareous - 74.5 - 80.5' - solid, slightly calcareous - abundant manganese, non magnetic - carbonate veinlets - core angle 20°										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
80.5	88	Propylitic Gd - slightly calcareous, minor chlorite veins - minor manganese in fractures - <1% sulphide - " " magnetic										
88	92.5	Potassium Silicate Gd. - calcareous, magnetic - manganese in fractures - <1% sulphides										
92.5	100	Oxidized Argillic Gd - strong manganese - noncalcareous, silicified carbonate veins - <2% sulphide - 25° core angle										
100	113	Oxidized Argillic Gd. with Sulphide Veins - noncalcareous, nonmagnetic - 20° core angle - silicified carbonate (quartz) sulphide veins - contain galena - oxidation decreasing down hole - 2% sulph. (mostly oxidized).										
113	129.6	Propylitic Gd/Potassic Gd Mixture - slightly magnetic, <1% sulphides - non calcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-5 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IBES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		-becomes strongly magnetic @ 119' - becomes calcareous @ 127' - carbonate sulphide vein @ 129'										
129.6	132.8	Propylitic Gd - minor manganese, partially oxidized - minor carb/sulph veins & dissem. sulph ≈ 3%. - non magnetic - calcareous.										
132.8	134.2	Propylitic / Argillic Gd - calcareous, partially oxidized - slightly sheared - <2% sulphide										
134.2	144.5	Propylitic / Potassic Mixture - slightly calcareous, strongly magnetic - propylitic 138.2 - 139.5, also slightly sheared - <1% sulphides, partially oxidized in fractures										
144.5	147.6	Propylitic Gd - carbonitized - minor carbonate sulphide veins - slightly sheared, oxidized (partially) - 2% sulphide										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
147.6	148.2	Argillic Gd - carbonitized, nonmagnetic, slightly sheared - 3% sulphides										
148.2	153.5	Propylitic / Potassic Gd Mixture - calcareous, strongly magnetic - < 1% sulphides										
153.5	164.5	Propylitic Gd - calcareous, strongly magnetic - abundant carbonate veins @ 157 - 158.5', 162 - 164' - partially sheared - core angle 35° - increased shearing starting @ 162' - < 2% sulphides - some carbonate stockwork										
164.5	166	Potassicum Silicate Gd - slightly calcareous, strongly magnetic - < 1% sulphide										
166	172.8	Potassic / Propylitic Gd Mixture - slightly calcareous, magnetic - partially oxidized - last foot is propylitic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
172.8	175.4	Argillic Gd - slightly sheared - highly calcareous - core angle 30°, minor carbonate sulphide veins - 3% sulphides									
175.4	199.9	Potassic Gd - minor carbonate stockwork, slightly calcareous - minor propylitic patches - partially oxidized in fractures - <1% sulphides - slightly sheared and blocky -									
199.8	208.1	Argillic Gd - with carbonate sulphide veins 199.8 - 201' - highly calcareous, partially oxidized 199.8 - 201' - 7% sulphide 199.8 - 201' - <2% sulphide 201 - 208.1, non calcareous totally oxidized 204.2 - 206.2' - 3% sulphide vein @ 207', highly calcareous									
208.1	210.8	Potassic / Propylitic Gd Mixture - minor pink dyklets - highly calcareous, magnetic - < 1% sulphides									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
210.8	212.3	Sheared Propylitic Gd - partially oxidized - very calcareous										
212.3	216	Argillic Gd - highly oxidized to partially oxidized downhole. - 3% sulphides - possible fault @ 216 - ground up material										
216	226.7	Sheared Propylitic Gd - strongly magnetic - calcareous - < 1% sulphides - 224-225' - potassic gd.										
226.7	228	Argillic Gd - calcareous, 2% sulphides										
228	231	Blue Mud Vein - highly calcareous, slightly silicified @ 230.5' - core angle 45° - shear faces of smeared sulphides - 15% sulphides										
231	248	Potassic/Propylitic Gd. Mixture - some carbonate veins, noncalcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		-strongly magnetic -minor shear faces, carbonate in fractures -<2% sulphides										
248	261	Potassic Gd. -strongly magnetic, calcareous, -<1% sulphides - broken and blocky - ground up 251-254'. possible fault. - highly calcareous @ 252'-256.5' - propylitic patches in ground up material										
261	268.7	Argillic Gd - with carbonate sulphide veins with galena - highly calcareous, - core angle 50°, - 4" propylitic patch with veins @ 263.1-263.5' - 2% sulphides 261-262' - 7% sulphides 262-263.5' - slightly sheared - <2% sulphides 263.5-265.8'. - ground up, contains some propylitic material 264-265.8 - 2% sulphides 265.8-267.5' - <2% sulphides 267.5-268.7										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-5 SHEET NO 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH MIN	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
268.7	277.2	Propylitic Gd./Potassic Gd Mixture - strongly magnetic, very slightly calcareous - carbonate veinlets, minor sulphide veins, core angle 45° - slightly sheared, argillic patches - 2% sulphides										
277.2	280	Argillic Gd/Propylitic Gd Mixture - highly calcareous, strongly magnetic - slightly sheared - 3% sulphides										
280	289	Propylitic Gd - slightly calcareous, magnetic - < 2% sulphides - carbonate in fractures, much carbonate in last 3' - slightly sheared										
289	321	Diorite - non calcareous, magnetic - carbonate stockwork - dark green - sheared mud @ 291 - 292' - < 1% sulphide 289 - 294.5 - light green patch with carbonate sulphide vein 294.5' - 295.5', 3% sulphides - Mud + rock fragments 295.5 - 298										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE $ SULPH IDED	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ./TON	ASSAYS
		- < 1 % sulphides 295.5 - 307' - minor bleached patches - occasional carbonate sulphide veins - 3% sulphide 307 - 309' - < 1% sulphide 309 - 310' - 3% sulphide 310 - 319' - < 1% sulphide 315 - 321' End of Hole @ 321'										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek.
HOLE NO. DDH-EE-6 LENGTH 184 Ft.
LOCATION L16+70S / 11+70E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N240° DIP -60°
STARTED June 25/87 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60	N240°			
184'	-56°	"		"	

HOLE NO. 6 SHEET NO. 1
REMARKS Preliminary
LOGGED BY MR & MC.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	6	Overburden										
6	19.5	Potassium Silicate Gd. - noncalcareous, magnetic - <1% sulphides - very pink - few mafic minerals 15.5 - 18', possible dyke, - no abrupt contact, just a gradual transition from rock type to another on upper contact, more irregular on lower contact - abrupt contact @ 18.8' between coarse grained pink & black granodiorite and fine grained pink stuff, 18.8-19.5'										
19.5	53.5	Propylitic Gd. - noncalcareous, strongly magnetic - <1% sulphides - 2cm fine grained pink dyke @ 25.7' - carbonate in fractures starting @ 27', minor manganese										
53.5	55.5	Argillic Gd. - very slightly calcareous, & nonmagnetic - partially oxidized, carbonate veins - < 2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-6 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
55.5	69.8	Propylitic Gd./Potassic Gd Mixture - noncalcareous, strongly magnetic - carbonate in fractures - <1% sulphides										
69.8	72.6	Propylitic Gd. - ground up 70-70.8' - slightly calcareous, strongly magnetic - <1% sulphides										
72.6	110	Argillic Gd.- - partially oxidized - noncalcareous - core angle, 45° @ 80.5' - nonmagnetic - minor manganese - 3% sulphides - finely disseminated throughout - carbonate veining with minor sulphides, core angle 45°-97.6' - quartz veins with minor sulphides, - 1 cm vein runs parallel to the core - realgar/cinnabar? - minor veinlet @ 101.7 - increasing manganese starting @ 85' - veins have random orientation											
110	137.2	Propylitic Gd./Argillic Gd Mixture - nonmagnetic, noncalcareous - carbonate - sulphide veins - contain sphalerite										

LANGRIDGES — TORONTO — 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-6 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	ASSAYS
		- 2% sulphides 110 - 122' - 3-4% sulphides 122 - 128.5' - magnetite veins @125' - veins have random orientation - < 2% sulphides 128.5 - 137.2										
137.2	141	Mottled Gd. - slightly magnetic to magnetic - non calcareous (minor carb in fractures) - mottled dark green propylitic - fine grained pink. gd. with rusty red specks. - (cinnabar?) - < 2% sulph										
141	147	Propylitic Granodiorite - magnetite/pyrite/red mineral veins with minor carb. (< 2% sulph. - magnetic. - slightly calcareous.										
147	151	Mottled Gd - same as 137.2 - 141 - non calcareous. - magnetic < 2% sulph.										
151	156	Propylitic Gd - - calcareous - non magnetic < 2% sulph										
156	161	Propylitic Gd with Magnetite Veins. - strongly magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-6 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- magnetite veins with minor disem. sulph. specks. (<1%)										
		- calcareous										
		- slightly sheared in places.										
		- mag. veins run almost straight down core (0° core angle)										
161	162.5	Argillic Gd with Carb/Sulph veins										
		- very calcareous.										
		- ± 5% sulph.										
		- non magnetic										
		- possible 2nd phase sulph.										
		- only about 50% core recovery										
162.5	169	Mottled Gd / Potassium Rich.										
		- calcareous										
		- magnetic										
		- <1% sulph.										
		- goes from mottled to 65° and then turns to very pink gd (or granite) (K spar enriched.										
169	175	NO CORE - MISCATCH										
175	179	SHEARED PROPYLITIC Gd										
		- sheared at 50° core angle.										
		- calcareous										
		- very dark green + sheared										
		- partially oxided → 2% sulph on shears.										
		- magnetite specs seen.										
179	184	MOTTLED Gd.										
		- some carb stringers. (calcareous)										
		- magnetic.										
		<1% sulph.										
		END OF HOLE										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek.
HOLE NO. DDH-88-7 LENGTH 516'
LOCATION L16+70S / 11+70E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N60° DIP -50°
STARTED June 27/88 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°	N60°			
516	-48°				

HOLE NO. 7 SHEET NO. 1
REMARKS Pulse
LOGGED BY M.C. & R.R.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SIZE	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS $	ASSAYS ¢	ASSAYS OZ/TON	ASSAYS	ASSAYS
0	11	OVERBURDEN - only 1st recovered.										
11	19.8	Potassium Silicate Granodiorite - noncalcareous - magnetic - core angle 50° @ 17', - 6" of propylitic gd. - carbonate in fractures - <1% sulphides										
19.8	23.5	Propylitic Granodiorite - calcareous, slightly magnetic - ground up 21.8 - 23' - <1% sulphides										
23.5	41.5	Potassium Silicate Granodiorite - slightly calcareous to noncalcareous - magnetic - <1% sulphides - carbonate veinlets - core angle 45°										
41.5	47	Propylitic Gd. - slightly calcareous										

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-7 SHEET NO 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH 1989	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- magnetic - partially oxidized in fractures - oxidized, muddy 45.8 - 46.2' - <1% sulphides										
47	49.5	Potassium Silicate Gd. - same as 23.5 - 41.5										
49.5	50.5	Partially Oxidized Argillic Gd - 2-3% sulphides - calcareous, nonmagnetic - 50° core angle - manganese coatings										
50.5	51.4	Potassium Silicate Gd. - same as 23.5 - 41.5										
51.4	52.2	Propylitic Gd - slightly calcareous - strongly magnetic - <2% sulphides										
52.2	55.8	Partially Oxidized Argillic - noncalcareous, nonmagnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- mushy 53'-54', rest is solid - core angle 50° - carbonate veins - ~~~ minor sulphide - 3% sulphides -										
55.8	57.3	Propylitic / Potassic Gd Mixture - magnetic, slightly calcareous - <1% sulphides										
57.3	77	- Partially Oxidized Argillic Gd - first 6' is mushy - very slightly calcareous - core angle 50° - minor carbonate-sulphide veins - minor manganese 62-75', then increasing - minor carbonate stockwork - 3% sulphides										
77	93	- Partially Oxidized Argillic Gd - manganese rich - non calcareous - manganese veins + coatings - silicified carbonate-sulphide veins - 4% sulphides - manganese forms 1cm wide zones around small fractures										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-7 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
93	95.5	Partially Oxidized Argillic Gd. - non calcareous, silicified - rusty red alteration - non magnetic - minor manganese - 2% sulphides										
95.5	138.5	Partially Oxidized Argillic Gd - slightly calcareous, nonmagnetic - minor manganese - minor calcareous veinlets, random orientation. - ∠2% sulphides - crushed up and slightly muddy 112 – 120.5 - the solid rock has a slight reddish colour - becomes noncalcareous @ 124' - slightly sheared beginning @ 130.' - crushed and muddy 133.5 – 135' - increasingly reddish - last 3' totally oxidized										
138.5	139.5	Advanced Argillic (white Mud) - non calcareous - first 6" red oxidized mud. - last 6": red and purple streaks - 6% sulphides - sheared @ 139'										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS g	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
139.5	145	Argillic Gd - partially oxidized - non calcareous, non magnetic - 1 jagged quartz vein @ 143', core angle 58° - 3% sulphides										
145	152.5	Propylitic/Argillic Mixture - slightly sheared @ 50° - slightly calcareous - carbonate-sulphide veins - nonmagnetic - fairly soft and crumbly - <2% sulphides - chloritized argillic (yellow-green colour)										
152.5	156.5	Argillic Granodiorite (with sulph.) - light grey-green colour - 5% diverse angular veinlets (minor galena specks seen) - slightly calcareous. - non magnetic										
156.5	162.5	DACITE DYKE - dark grey/green colour. - non magnetic, non calcareous - 2-3% sulphides										
162.5	186.4	Argillic Granodiorite (with sulphides) - slightly calcareous - carbonate sulphide veins										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- non magnetic - blue-grey colour - 4% sulphides 162.5 - 163.5 - 2% sulphides 163.5 - 168' - slightly sheared @ 168' - mushy 168.5 - 170' - 3% sulphides 168 - 172.5' - core angle 50° (good) - 15% sulphides 172.5 - 174', black sheared veins of sulphides @ 173.4', and 173.9' - 80% sulphides 174 - 174.5' - massive sulphide vein, black fine grained material grading rapidly to coarse grained sulphides (pyrite, chalcopyrite, sulfosalts, galena) a second 0.5cm fine grained black band borders the vein on the down hole side, core angle 45° - 3% sulphides 174.5 - 180.6', core angle 45', (pyrite, galena) - increased shearing 182' - <2% sulphides 180.6 - 186.4'										
186.4	194.5	Carbonatized Propylitic/Potassic Gd. - slightly to very calcareous - pink-white pale green mottled - crumbly, slightly sheared - <2% sulphide										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE BULK IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ/TON	ASSAYS
194.5	197.3	Dacite Dyke - calcareous, magnetic - dark gray-green, fine grained - minor quartz eyes - <1% sulphides										
197.3	208.9	Propylitic Gd. - noncalcareous, magnetic - carbonate veins, minor carbonate stockwork - slightly sheared - mushy 201.7 - 202.5' - <1% sulphides										
208.9	215.5	Potassium silicate Gd. - noncalcareous - strongly magnetic - core angle 40° - <1% sulphides										
215.5	223.5	Propylitic Gd. - very calcareous, nonmagnetic - slightly sheared - ground up - carbonate veins throughout - <1% sulphide										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
223.5	230	Potassium Silicate Gd. - non calcareous, strongly magnetic - minor carbonate veins - <1% sulphides										
230	232.25	Carbonitized Potassic / Propylitic Gd - highly calcareous - core angle 70° - slightly sheared - 2% sulphides - disseminated										
232.25	236.2	Propylitic / Potassic Gd Mixture - calcareous - strongly magnetic - <1 % sulphides										
236.2	240	Propylitic Gd/Argillic Gd Mixture - noncalcareous, non magnetic - < 2% sulphides										
240	241	Argillic Gd - quartz sulphide stringers - non calcareous, non magnetic - 6 % sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-7 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
241	242	Argillic Gd / Vein - non calcareous, non magnetic - quartz-sulphide with galena, sphalerite - 8% sulphides - 30% vein material										
242	243	Argillic / Advanced Argillic Gd - noncalcareous, non magnetic - 4% sulphides - minor white mud										
243	243.5	Argillic Gd / Vein - noncalcareous, non mag. - quartz sulphide veins - same type of material as 241-242										
243.5	247	Argillic / Propylitic Gd - noncalcareous, non magnetic - quartz-sulphide stringers - narrow. 5" vein @ 246.5°										
247	252.7	Argillic Gd - first 3' is propylitic - noncalcareous, non mag. - carbonate veins, core angle 35°										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		- slightly sheared - <1% sulphides									
252.7	257.3	Propylitic Gd. - calcareous, magnetic - 3% sulphides - disseminated & in stringers									
257.3	261.9	Argillic Gd / Propylitic Gd Mixture - very slightly calcareous - nonmagnetic - core angle 40° (poor) - <.2% sulphides									
261.9	265.1	Argillic Gd - slightly calcareous, nonmagnetic. - 2% sulphides									
265.1	267	Propylitic Gd - noncalcareous, nonmagnetic - quartz-sulphide veins. - massive sulpide vein @ 265.7 to 266, core angle 45°, 70% sulphide - contains minor sphalerite, - carbonate vein adjacent to massive sulphide vein. - 7% sulphide (other than massive vein)									
267	270	Argillic/Propylitic Gd Mixture - noncalcareous, nonmagnetic									

LANGRIDGES – TORONTO – 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE $ SWLM 1985	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- carbonate veins, core angle 40° - 2% sulphides - very finely disseminated,										
270	274.6	Argillic Gd. - non calcareous, nonmag. - 10% sulphides - small quartz sulphide vein @ 270.2 - sulphides are disseminated, in veins & in stringers										
274.6	278	Propylitic Gd. - slightly calcareous - strongly magnetic - < 2% sulphides										
278	279.4	Argillic Gd - carbonate - sulphide vein @ 278° - highly calcareous - 5% sulphides										
279.4	283.7	Propylitic Gd - dark green - partially oxidized - calcareous, slightly magnetic - ∈ 2% sulphides, finely disseminated										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE $ (Cdn) 1988	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
283.7	297	Potassium Silicate Gd. - noncalcareous, strongly magnetic - minor carbonate veins - diorite(?) inclusions - <1% sulphide 283.7-291.5 - increased carbonate veining, 2% sulphides 291.5-293 - slightly sheared - <2% sulphides 293-297. - sheared carbonate veins 294.8°, 4° propylitic gd.										
297	298.6	Potassium/Propylitic Gd. Mixture - noncalcareous, magnetic - core angle 55° - 2% sulphides							/			
298.6	300.5	Propylitic Gd - calcified to 299.3 - slightly sheared * - purple brown dyke(?), 3" wide, core angle 50°, possibly altered granodiorite @ 299.4°, noncalcareous, strongly magnetic - last foot noncalcareous										
300.5	304	Fragilic Gd/Vein - noncalcareous, nonmagnetic - quartz sulphide vein										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-7 SHEET NO. 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- 10% sulphides 300.5 - 302.2' - 15% 302.2 - 302.2 - 303', core angle 65° - 10% 303 - 304' - galena from 302 - 304' - core angle 50° → contact										
304	306.75	Dacite Dyke - noncalcareous, - very slightly magnetic - quartz sulphide veins, core angle 50° - 10% sulphides 304 - 305' - 2% sulphides 305 - 306.75' - slightly sheared										
306.75	311	Argillic Gd - noncalcareous - quartz-carbonate veins, core angle 50° - slightly sheared - 3% sulphides, finely disseminated										
311	314.7	Propylitic Gd - noncalcareous 311 - 314.4. - last four inches slightly calcareous - very slightly magnetic - 2% sulphides, finely disseminated.										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-99-7 SHEET NO. 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
314.7	322	Potassium Silicate Gd. - slightly calcareous - magnetic - <1% sulphides										
	*	- 6" of argillic gd. with quartz carbonate vein @ 317' - core angle 50°										
322	325	Propylitic Gd. - slightly calcareous, very slightly magnetic - <1% sulphides - partially oxidized, calcified 324-325' - 1% carbonate veins, last 3" mushy										
325	329	Propylitic/Potassic Gd Mixture - slightly calcareous, magnetic - <1% sulphides										
329	334.2	Propylitic Gd - slightly calcareous, slightly magnetic - minor quartz-carbonate sulphide veins - 2% sulphide 329-330.5 - 6% sulphides, green-grey veins, rusty red minerals associated with sulphides, stockwork, 330.5-332.5										
334.2	340.8	Argillic Gd - slightly calcareous										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- core angle 45° - partially sheared, 2" mud @ 339.3 - 2% sulphides, finely disseminated										
340.8	348.2	Potassium/Propylitic Gd. Mixture - very slightly calcareous - magnetic - <1% sulphide										
348.2	351.3	Propylitic Gd - noncalcareous, nonmagnetic - white + green mottled										
	*	- small dacite dyke, 3" wide, core angle 45°, purplish - <2% sulphides										
351.3	361.2	Potassium/Propylitic Gd Mixture - same as 340.8 - 348.2 - white + green mottled propylitic @ 354.5 - 355.3' and @ 359 - 359.5'										
361.2	364.2	Propylitic Gd - highly chloritized - calcareous to slightly calcareous - variable - magnetic, <1% sulphides										
364.2	366.1	Argillic Gd - noncalcareous - silicified carbonate veins - <2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 16

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
366.1	367.1	Propylitic Gd - same as 361.2 - 364.2										
367.1	374.2	Argillic Gd - noncalcareous, nonmagnetic - partially oxidized, faint pinkish colour - core angle 55° - carbonate veins with oxidized sulphides - 3% sulphides 367.1 - 371.4 - sulphide veins - galena, core angle 60° - slightly sheared, core angle 50° - 4% sulphides 371.4 - 374.2', more oxidized										
374.2	382.3	Potassium Silicate Gd. - noncalcareous nonmagnetic - < 1% sulphides										
382.3	386	Propylitic Gd. - noncalcareous, - very slightly magnetic - carbonate ± sulphide veins - minor, core angle 35° - 3% sulphides										
386	388.4	Argillic Gd With Quartz Sulphide Veins - noncalcareous (messed up core) - 2" vein @ 387' - 4% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 17

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
388.4	390.3	Propylitic Gd / Potassium Gd Mixture - non calcareous, magnetic - highly chloritized - <1% sulphides										
393	397.3	Argillic Gd - noncalcareous, slightly pinkish - carbonate-sulphide veins, core angle 55° (good) - chloritized in patches - slightly sheared, core angle 55° (good) - 3% sulphides, minor carbonate sulphide veins										
397.3	400	Propylitic Gd. - noncalcareous, nonmagnetic - highly chloritized - <2% sulphides										
400	400.8	Argillic Gd. - slightly calcareous - slightly sheared - 2% sulphides										
400.8	402.2	Propylitic Gd - same as 397.3-400'										
402.2	409	Argillic Gd With Sulphide Veins - non calcareous - slightly sheared - 3% sulphides - finely disseminated 402.2 - 405.2										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 18

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
	*	- 3" carbonate quartz & sulphide (pyrite & chalcopyrite) vein @ 406', core angle 45°										
	#	- advanced argillic with sulphides 406' - 406.4'										
		- 10% sulphides 405.2 - 406.4										
		- 3% sulphides 406-4										
		- calcareous, mushy patch @ 407.5										
		- sheared @ 45°, - @ 408.9'										
409	411	Quartz-Sulphide Vein										
		- very slightly calcareous										
		- 25% sulphides										
		- pyrite rich with possible chalcopyrite										
		- soft & mushy core										
411	416	Argillic Gd with Sulphide Veins										
		- minor quartz-carbonate-sulphide veins										
		- 4% sulphides										
		- very slightly calcareous, nonmagnetic										
		- slightly sheared										
416	429	Propylitic Gd.										
		- very slightly calcareous, strongly magnetic										
		- slightly sheared										
		- partially oxidized increasing to fully oxidized @ 423.5', decreasing to partially oxidized										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 19

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		- small fault @ 427'
429	432	Propylitic Gd with Carbonate Veining - calcareous - slightly silicified - core angle 48° - non magnetic, <2% sulphides
432	440.6	Propylitic Gd - same as 416-429'
440.6	445.5	Argillic Gd. - very slightly calcareous, silicified - 3% sulphides
445.5	446.2	Sulphide Vein (Blue Mud) - non calcareous - mushy - 7% sulphides
446.2	449.5	Argillic Gd - non calcareous - all mud - sheared - 3-4% sulphides
449.5	453	Sulphide Vein (Blue Mud) - very slightly calcareous

SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 20

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 10% sulphides										
453	461	Argillic / Advanced Argillic Gd. - minor 3-4" patches of Advanced Argillic. - noncalcareous - but occasional calcareous patch - mostly mud - 3-4% sulphides										
461	486.5	Argillic Gd. with Carbonate Veins - slightly calcareous, silicified. - minor sulphide veins - sheared slightly - generally soft and crushed up - 3% sulphides - small fault @ 485										
486.5	489.9	Argillic Gd / Propylitic Gd Mixture - Very slightly calcareous - < 2% sulphides										
489.9	504	Argillic Gd. - non calcareous, non magnetic - 3% sulphides, finely disseminated										
504	510.1	Propylitic Gd. - noncalcareous, magnetic - almost potassic. - < 2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-7 SHEET NO. 21

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
510.1	515.5	Argillic Gd - highly calcareous, nonmagnetic - slightly sheared - 3-4% sulphides - partially oxidized - core angle varies 45-60° - possible fault gouge										
515.5	516	Propylitic Gd - broken - < 2% sulphide - noncalcareous, magnetic										
		End of Hole										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Discovery Creek
HOLE NO.: DDH-88-8 LENGTH: 401 Ft.
LOCATION: L18+67S/1350E
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: N240° DIP: -62°
STARTED: July 5 FINISHED: July 8th

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-62°	N240°			

HOLE NO.: 9 SHEET NO.: 1
REMARKS: Preliminary Log
LOGGED BY: VR

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE DIES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS $	ASSAYS $	ASSAYS oz/ton	ASSAYS oz/ton	
0	7	Overburden										
7	38.6	Propylitic Gd - noncalcareous, magnetic - partially oxidized - minor manganese - <1% sulphides - manganese increases @ 18', becoming abundant @ 23.5' - highly oxidized 21.4-23.6', some mud. - slightly calcareous with minor sulphide veinlets at 27.5-28.5', 3% sulphides										
37.6	39	Argillic Gd. - slightly calcareous with carbonate veins - nonmagnetic - highly oxidized - abundant manganese - can't determine % sulphides										
39	40	Propylitic Gd - noncalcareous, slightly magnetic - slightly oxidized, minor manganese										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-8 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS
40	43.9	Propylitic Gd / Argillic Gd Mixture - non calcareous, non magnetic - very broken up - oxidized - abundant manganese - ? % sulphides										
43.9	64.7	Argillic Gd - noncalcareous, nonmagnetic - 40% recd from 43.0 – 47.5 - oxidized - abundant manganese on fractures - slightly sheared - any sulphides have been oxidized - core angle 48°, @ 62.5 – blue quartz (silicified carb?) vein with minor sulphides										
64.7	69.6	Argillic Gd - noncalcareous, nonmagnetic - broken up and muddy - oxidized - crushed up quartz sulphide veins - 5% sulphides on less oxidized rock - abundant sulphide										
69.6	72.8	Argillic Gd - noncalcareous, nonmagnetic										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-8 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
40	43.9	Propylitic Gd / Argillic Gd Mixture - non calcareous, non magnetic - very broken up - oxidized - abundant manganese - ?% sulphides										
43.9	64.7	Argillic Gd - noncalcareous, nonmagnetic - 40% mud from 43.0 - 47.5 - oxidized - abundant manganese on fractures - slightly sheared - any sulphides have been oxidized - core angle 48°, @ 62.5 - blue quartz (silicified carb?) vein with minor sulphides										
64.7	69.6	Argillic Gd - noncalcareous, nonmagnetic - broken up and muddy - oxidized - crushed up quartz sulphide veins - 5% sulphides on less oxidized rock - abundant sulphide										
69.6	72.8	Argillic Gd - noncalcareous, nonmagnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-8 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- partially oxidized - silicified carbonate-quartz sulphide veins - core angle 65° @ 72.5' (poor) - 7% sulphides - abundant manganese										
72.8	74.6	Argillic Gd / Mud - noncalcareous - oxidized - 7% sulphides										
74.6	77.8	Argillic Gd - noncalcareous - highly oxidized - abundant manganese - < 2% sulphides										
77.8	80.1	Propylitic Gd - noncalcareous, magnetic, minor manganese - 2% sulphides - core angle 58°, at 79' (poor)										
80.1	83.6	Propylitic Gd / Argillic Gd Mixture - noncalcareous, non-magnetic → magnetic - patches - partially oxidized - core is pitted @ 80.8' - probably weathered out sulphides - 7% sulphides - minor manganese										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-8 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
83.6	87.5	Propylitic / Potassic Gd Mixture - noncalcareous, magnetic - oxidized in fractures - 90% Propylitic - < 2% sulphides										
87.5	90	Argillic Gd / Mud. - noncalcareous - totally oxidized - no visible sulphides - Advanced Argillic @ 88.8' - 2 inches										
90	92.3	Propylitic Gd. / Argillic Gd Mixture - noncalcareous, nonmagnetic - carbonate veins - partially oxidized in fractures - < 2% Sulphides										
92.3	102	Argillic Gd - noncalcareous, nonmagnetic - partially oxidized. - minor manganese - < 2% sulphides - minor carbonate veins with trace sulphides										
102	140.1	Argillic Gd. - slightly calcareous, nonmagnetic - slightly oxidized - carbonate sulphide veins, Variable core angles 20 - 90° (poor)										

LANGRIDGES — TORONTO — 368-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DD4-85-8 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS
		- finely disseminated sulphides - 5% sulphides 102 - 111' - 3% sulphides 111 - 119' - rusty up and oxidized @ 114' - from 119 - 122 the rock is a mixture of argillic + potassic - very pink associated with a minor dark gray non calcareous stockwork. - <2% sulphides 119-122' - 3% sulphides 122-127' - finely disseminated - 5% sulphides 127 - 133' - finely disseminated. - 133 - 133.6', finer grained, dark grey pink colour - gradual contact with the argillic rock - 3% sulphides, 133 - 140.1, disseminated, occasional stringers at 80 - 85° core angle, at 135.4' (poor)						4				
140.1	149.2	Propylitic Gd / Potassic Gd Mixture - noncalcareous, propylitic - occassional argillic patch - chlorite stockwork - 2% sulphides										
149.2	159	Argillic Gd. - noncalcareous - silicified carbonate veins with minor sulphides - core angle 10° @ 150' (poor) - 3-4% sulphides - finely disseminated - partially oxidized in fractures										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-8 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
159	168.8	Argillic/Propylitic Gd Mixture - 10% propylitic - 2-3% sulphides - 2nd+ disseminated - noncalcareous, nonmagnetic - silicified carbonate veins - core angle 20°, quartz-carb. vein @ 161.5 (good) - partially oxidized - minor chlorite-carbonate veining with increased propylization 164 - 164.7										
168.8	192	Argillic Gd. - noncalcareous, nonmagnetic - quartz sulphide vein, core angle 50°, @ 169', (good) - contains galena - minor carbonate in fractures - carbonate in veins is silicified - 5% sulphides 168.8 - 174' - core angle 10°, @ 173.5' (good), quartz-sulphide vein - slightly sheared 173.5 - 174' - core angle 25° @ 177', silicified carb. vein (good) - 2-3% sulphides 174' - 192 - from 181 - 190.5, there are anastamosing, only partially silicified carbonate veins running parallel to the core, barren of sulphides, 0.25 - 0.75 cm thick - last foot 10-15% propylitic gd.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-93-8 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
192	196.7	Propylitic Gd./Potassic Gd Mixture - noncalcareous, magnetic - highly chloritized patches - carbonate in fractures - minor silicified carbonate sulphide veins - < 2% sulphides										
196.7	210	Argillic Gd - noncalcareous, nonmagnetic - slightly oxidized - < 2% sulphides 196.7 - 203' - 3% sulphides 203 - 205' - 5% sulphides 205 - 208' - see fish! - core angle 30°, silicified carbonate (good), slightly vuggy, contains both pink & white carbonate - 2% sulphides 208 - 210'											
210	211.8	Potassic / Propylitic Gd Mixture - noncalcareous, magnetic - carbonate in fractures - < 2% sulphides										
211.8	215.1	Propylitic Gd - noncalcareous, magnetic - chloritized - < 2% sulphides										
215.1	224.9	Argillic Gd. - noncalcareous, slightly magnetic										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-3 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 2% sulphides - 215.1 - 217.2' - 5% sulphides - 217.2 - 218.6 - silicified carbonate - sulphide stockwork, contains sphalerite - core angle 25°, complex vein, silicified carbonate, massive sulphides, galena, - red-brown sphalerite crystals in carbonate - (saved some from sampling) @ 219', slightly brecciated - 8% sulphides 218.6 - 219.4' - 2% sulphides 219.4 - 224 - 4% sulphides 224 - 224.9, veinlets 50% galena + spiral, 50% pyrite										
224.9	227	Argillic Gd / Vein / Dyke - noncalcareous, slightly sheared - minor blue mud @ 225', core angle 20°, (good) - coarse-grained yellow brown (beer bottle colour) sphalerite (>1cm) crystals with minor galena on the edge of what looks like a narrow dark grey, noncalcareous, f.g. dacite dyke, 45° core angle - core angle 30°, 1cm dacite dyke + carbonate vein @ 227' - 15% sulphides										
227	229	Argillic Gd - slightly calcareous, nonmagnetic - silicified carbonate veins - 3% sulphides										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-8 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
229	231	Brecciated Carbonate Vein with Dacite - white carbonate is calcareous, pink is silicified - swirly, clasts of argillic gd. and dacite dyke - dyke is 1m, f.g. noncalcareous, s. altered looking - minor coarse grained sphalerite in pink carbonate - core angle 45°, (good) - 8% sulphides										
231	233	Argillic Gd / Vein - noncalcareous - swirly carbonate & sulphide veins - brecciated, slightly sheared @ 232.5 - 7% sulphides										
233	246.8	Argillic Gd - noncalcareous, nonmagnetic - galena-sphalerite veinlets . 233-234.1 - 3% sulphides 233-234.1 - <2% sulphides 234.1-240.5 - 3% sulphides 240.5-241.6, silicified carb.-sulphide vein surrounded by propylitic alteration, core angle 18° - 2% sulphides 240.5-246.8										
246.8	249.5	Propylitic Gd. - slightly calcareous, magnetic - <2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-8 SHEET NO. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
249.5	254.6	Argillic Gd - slightly calcareous - minor carbonate stockwork - sheared @ 251.6 - 2% sulphides 249.5 - 254.6, except - 5% sulphides, carb.-sulpide vein, core angle 20°, (good)										
254.6	263.6	Propylitic Gd. - noncalcareous, slightly magnetic - 3% sulphides 254.6 - 255.4 - <2% sulphides 255.4 - 263.6 - core angle 55°, minor carbonate vein, (good), @ 260, 263										
263.6	267.4	Argillic Gd - calcareous, nonmagnetic - 2% sulphides 263.6 - 264.7 - 8% sulphides, 264.7 - 266 massive pyrite and galena (2cm) in carbonate vein, core angle 20° - 2% sulphides 266 - 267.4										
267.4	269.5	Potassic / Propylitic Gd Mixture - Calcareous, magnetic - < 2% sulphides										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE BULK IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
305	308	Propylitic Gd - very slightly calcareous, very slightly magnetic - carbonate veins - sheared up 305-305' - 2% sulphides, finely disseminated										
308	311.5	Propylitic / Potassic Gd Mixture - very slightly calcareous, magnetic - minor carbonate in fractures - <1% sulphides										
311.5	319	Propylitic Gd - noncalcareous, magnetic - chloritized, carbonate veins & veinlets - core angle 20°, pink uncalcareous rock - minor sulphide (good) - >2% sulphide										
319	326.1	Potassic Gd - slightly calcareous, magnetic - carbonate in fractures - <1% sulphides										
326.1	328.5	Propylitic Gd - calcareous, magnetic - minor carbonate-sulphide veins - 2% sulphides										
328.5	341.3	Potassic Gd / Propylitic Gd Mixture - very slightly calcareous, magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-2 SHEET NO. 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- carbonate-sulphide stockwork - 2-3% sulphides - large fine grained grey clast @ 336', (6"). - fine grained 337-338', 339-340.4' (not a dyke - but looks just like dacite) - slightly sheared - 4% disseminated sulphides 336.5 - 337'										
341.3	344	Propylitic Gd - slightly calcareous, magnetic - slightly sheared - blots of carbonate in fractures, partially oxidized - <1% sulphides 341.3 - 343 - - 3% sulphides 343 - >344 -										
344	347	Potassic / Propylitic Gd Mixture - slightly calcareous, strongly magnetic - <1% sulphides - sheared up, highly calcareous at contact.										
347	401	Dacite DIORITE? - calcareous, magnetic, fine grained - possibly some smeared sulphides at contact - slightly sheared, mushy at 347-347.8', 348.8', 350' - medium green grey 347 - 351 - dark gray 351 - 401 - <1% sulphides, occasional hairline sulphide seam. - sheared - core angle 40° @ 353 (good)										

LANGRIDGES — TORONTO — 368-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS
		- fractures partially oxidized 354.5' - 368' - minor carbonate stockwork → dacite is finer-grained near carbonate - 398.3 - 401 – finergrained, swirly and brecciated looking End of Hole 401 ft.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-9 LENGTH
LOCATION L20+675 / 1370E
LATITUDE DEPARTURE
ELEVATION AZIMUTH N60° DIP -65°
STARTED July 2/88 FINISHED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65	N60°			

HOLE NO. 9 SHEET NO. 1
REMARKS Drilling

LOGGED BY K E + Mc

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE $ SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ/TON	OZ/TON	
0	9	Overburden - rubble										
9	16	Potassium Silicate / Propylitic Granodiorite - slightly calcareous, strongly magnetic - quartz-magnetite-chlorite veins @ 15°, < 1cm wide - manganese in fractures - core angle 35° at 15'										
16	30	Potassium Silicate Granodiorite - noncalcareous, strongly magnetic - core angle 35° at 23' - very minor chlorite-magnetite stringers - slightly oxidized in fractures										
30	42	Propylitic Granodiorite - noncalcareous, strongly magnetic - very minor carbonate-sulphide stringers, 45° at 30.5' - broken and oxidized @ 32.2 - 33.5' - possibly due to faulting - slight manganese throughout - possible fault - 37.5 - 38'										

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
42	46	Propylitic Gd. - calcareous, strongly magnetic - carbonate in fractures - abundant carbonate - chlorite - magnetite veins. - core angle 40°, at 43.5'										
46	58	Propylitic Gd - noncalcareous, magnetic - minor carbonate in fractures - minor carbonate - chlorite veins, trace sulphides - < 2% sulphides - magnetite + chlorite rich 51 - 53'										
58	63	Potassium Silicate Gd - noncalcareous, strongly magnetic - core angle 40° at 62' - carbonate in fractures, quartz - carbonate minor sulphide										
63	71.2	Potassic / Propylitic Gd Mixture - noncalcareous, very strongly magnetic - minor quartz - chlorite - sulphide stringers - < 2% sulphides - abundant magnetite										
71.2	91	Potassium Silicate Gd. - strongly magnetic, noncalcareous - carbonate in fractures										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		- chlorite - magnetite veins - <2% sulphides - carbonate with minor sulphide veins @ 82.5' - carbonate with sulphide vein @ 91.5' - fractures are oxidized beginning at 91'									
		Propylitic Gd									
91	96	- noncalcareous, strongly magnetic - oxidized fractures - minor carbonate in fractures									
96	99	Argillic Gd / Vein - slightly calcareous - silicified patches - core angle - 40° - carbonate - sulphide veins - 5% sulphides									
99	100.3	Vein - silicified carbonate vein - brecciated argillic with carbonate clasts - galena in veins, 5% sulphides									
100.3	104.5	Argillic Gd / Vein - slightly calcareous, nonmagnetic - except for Magnetite vein - sphalerite and galena in veins - 5% sulphides									

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS
		-102 – 103' chlorite rich										
104.5	116	Propylitic Gd – very slightly calcareous, strongly magnetic – 6" Argillic patch 111 – 111.6' carbonate stockwork – very minor carbonate-sulphide veins – < 2% sulphides – rusty carbonate on fractures.										
116	123.7	Potassium Silicate Gd – very slightly calcareous, strongly magnetic – rusty carbonate fractures – < 2% sulphides										
123.7	126.5	Propylitic Gd. – calcareous, strongly magnetic – carbonate-sulphide veins – core angle 45° – soft carbonate rich patch 125.5 – 126.5' – 3% sulphides										
126.5	142	Potassium Silicate Gd. – noncalcareous, strongly magnetic – oxidized carbonate filled fractures – < 2% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
142	145.6	Propylitic Gd. - non calcareous, magnetic - minor carbonate-Sulphide veins - almost argillic @ 144.3 - 145' - <2% sulphides										
145.6	148	Argillic Gd. (With Veins) - noncalcareous, non magnetic - carbonate-sulphide veins (minor) - core angle 45° - darker green 146.6' - 148' - 4% sulphides										
148	152.3	Argillic Gd / Veins - noncalcareous, nonmagnetic - second phase veins - pyrite-galena sulfosalts - quartz - core angle 45° - 10-12% sulphides										
152.3	156.4	Propylitic Gd. - slightly calcareous, strongly magnetic - minor carbonate sulphide veins - core angle 45° - < 2% sulphides										
156.4	172	Potassium Silicate Gd. - noncalcareous, strongly magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- minor carbonate veins with sulphides - <2% sulphides										
172	173	Propylitic Gd / Faulted - calcareous, magnetic - <2% sulphides										
173	178.8	Blue Mud Vein - 5% sulphide 173-174.5 - 8-10% sulphide 174.5-179 - core angle 38° - highly calcareous										
178.8	185	Propylitic Gd. - broken up, with mush - magnetic, calcareous - <2% sulphides										
185	190.5	Propylitic Gd - 15% core recovery - broken up gd. and mud - calcareous - unknown sulphide content										
190.5	191.7	Argillic Gd. - highly calcareous, nonmagnetic,										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		- partially oxidized, possibly sheared - 3% sulphides										
191.7	196.8	Propylitic Gd - calcareous, strongly magnetic - potassic in patches - < 2% sulphides										
196.8	215.1	Argillic / Propylitic Gd Mixture - highly calcareous, non magnetic - quartz-sulphide stringers, partially oxidized - 3% sulphides - 2" sulphide-mud vein @ 207.8, >7% sulphides - ground up - 207' - 208.2, - sheared @ 212 - 214 - small (1cm wide) sheared sulphide vein in broken up gd. 214.5 - 215'										
215.1	223.2	Propylitic Gd. - calcareous, magnetic - nearly potassic in patches - slightly sheared - mushy 218.7 - 219.8 - < 2% sulphides - core angle 50°, carbonate-sulphide vein at 222.9' - just one!										
223.2	240	Propylitic / Potassic Gd. Mixture - noncalcareous, strongly magnetic										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- carbonate in fractures - <2% sulphides - 231 - 240, 80% Propylitic - increased chlorite content - chlorite-carbonate veinlets throughout - 1 small aplite dyke @ 231.8 - core angle 38°, carbonate vein @ 233.8'										
240	258.3	Propylitic Gd. - slightly calcareous, magnetic, chloritized - carbonate veins with minor sulphides - core angle 50°, at 244.5' - <2% sulphide - slightly sheared, mush from 247.2-249 - partially oxidized onshears										
258.3	260	Argillic Gd - slightly calcareous, nonmagnetic - <2% sulphides										
260	2625	Possible Bleached Dacite Dyke with Sulphides - slightly calcareous, nonmagnetic - carbonate galena stockwork - fine to medium grained, banded - pale grey-green - possibly same bleached granodiorite - core angle 55° - slightly sheared										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- last 6" has a pink colour, is noncalcareous - 5% sulphides										
262.5	263	Carbonate Sulphide Vein - partially silicified - pink & white clasts - pink ones are silicified - contains galena - 7% sulphides										
263	267	Argillic Gd / Vein - very slightly calcareous - swirly carbonate - sulphide veins, brecciated + silicified - 1" white mud vein @ 263.5 - 4% sulphides 263-265' - 6% sulphides 265-267.5' - slightly sheared										
267	277.8	Argillic Gd. - noncalcareous, nonmagnetic - < 3% sulphides - slightly sheared - bright red mineral disseminated + in veinlets - possible oxidation product? - carbonate (with minor sulphide) veins - chloritized - nearly propylitic 272-274										
277.8	280	Dark Blue Mud Vein - calcareous - core angle 37°										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH - 89-9 SHEET NO. 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- slightly sheared - pyrite still visible - 20% sulphides - 1 piece of slate blue rock at end ± 279.9'										
280	288.5	Massive Sulphide Vein - calcareous, 280 - 280.7' - solid - 280 - 282', then gets soft - 15% sulphides 280. - 280.6' - 80% sulphides 280.6 - 285', non calcareous - 15% sulphides 285 - 288.5, stockwork, slightly calcareous										
288.5	293.8	Argillic Gd - non calcareous, nonmagnetic - oxidized in fractures - carbonate veins with sphalerite - 3% sulphide										
293.8	304.	Argillic Gd / Vein - first 6", calcareous white mud & sulphides - non calcareous 294.5 - 296' - non calcareous to slightly calcar. - 296 - 303.5 calcareous to highly calcareous - Brecciated & sheared - 10% sulphides 293.3 - 298' - 5% sulphides 298 - 300', increased oxidation										

yellowish — increasing oxidation

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-9 SHEET NO. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	
		- 299 - 303' - 20% core recovery - 3% sulphides 300 – 303.5' - sheared with blue mud smears 303.5' - 304 - 3-4% sulphides 303.5 - 304'										
304	316.2	Argillic Gd - noncalcareous, nonmagnetic - partially oxidized - minor quartz - sulphide veins - 3% sulphides 304 - 308 - oxidation increases @ 306.8' * - swirly quartz - sulphide veins, @ 308.5 - 309', 5% sulphides - quartz carbonate - sulphide veins @ 309 – 309.5, 5% sulphides - get red mineral in thin veins - < 3% sulphides, minor carbonate - sulphide veins										
316.2	320	Argillic / Propylitic Gd Mixture - noncalcareous, nonmagnetic - minor stockwork - sulphides - less oxidized than previous rock, 316.2 – 320' - 3% sulphides - reddish mineral throughout										
320	326	Argillic Gd. - noncalcareous to very slightly calcareous, nonmagnetic - oxidized - crumbly										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-9 SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 324 → 326' 50% core recovery										
326	329.5	Propylitic Gd - mainly calcareous - slightly magnetic - carbonate - sulphide veins - carbonate stockwork - partially oxidized - core angle 38° - 3% sulphides										
329.5	337	Argillic / Propylitic Gd Mixture - slightly calcareous, non magnetic - highly oxidized - sheared - 3-4% sulphide overall, patchy - 3" of quartz - carb. - sulphide vein @ 334.5'										
337	344	Propylitic Gd - slightly calcareous, non magnetic - highly oxidized - sheared - core angle 40°, carbonate - sulphide vein - 2% sulphides — oxidized, hard to tell										
344	355.1	Propylitic / Argillic Gd Mixture - non calcareous, non magnetic - carbonate sulphide veins, core angle - 45°										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 4% sulphide 344 - 346.3'										
		- < 2% sulphides 346.3 - 355.1										
		- slightly sheared, reddish shear faces, core angle 30°										
		- pinkish orange colour, with reddish streaks										
355.1	360.2	Proalitic Gd										
		- slightly calcareous, slightly magnetic										
		- very patchey oxidation, varies from non-oxidized to highly oxidized 355.1 - 358,										
		- unoxidized from 358 - 360.2, has been chloritized, sheared										
		- wide carbonate veins 1-2 cm, minor sulphides, core angle 45°										
		- 2% sulphides 355.1 - 360.2										
		-										
360.2	363	Propilitic Gd										
		- Slightly calcareous, nonmagnetic										
		- carbonate sulphide veins										
		- sheared										
		- 3% sulphide										
363	365	Argillic Mud / Fault										
		- highly calcareous										
		- sheared bluemud										
		- 3% sulphides										
365	367.1	Propilitic Gd.										
		- calcareous, slightly magnetic										
		- slightly sheared										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- < 2% sulphides										
367.1	368.1	Argillic Gd.										
		- slightly calcareous, nonmagnetic										
		- abundant flecks of a black metallic mineral, also specks of the reddish mineral (not magnetite)										
		- < 2% sulphides.										
368.1	373.9	Propylitic Gd										
		- calcareous, strongly magnetic										
		- carbonate stockwork										
		- < 1% sulphides										
373.9	379	Argillic Gd.										
		- calcareous, nonmagnetic										
		- same black mineral										
		- 3% sulphides - finely disseminated										
		- 30% core recovery 376 - 379'										
		- partially oxidized 376 - 379'										
379	387.2	Propylitic Gd										
		- calcareous, strongly magnetic										
		- first foot is oxidized										
		- carbonate veins, core angle variable 45-58°										
		- < 1% sulphides										
387.2	389.2	Argillic Gd.										
		- noncalcareous, nonmagnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- partially oxidized - < 2% sulphides										
389.2	390.9	Vein - core angle 58° - silicified carbonate - sulphide vein, brecciated - 5% sulphide - partially oxidized										
390.9	411.5	Argillic Gd. (Silicified) - very slightly calcareous - partially oxidized - core angle 40°, occassional vug - silicified carbonate stockwork with sulphides - black metallic mineral - oxidizing to red - 3% sulphides - minor brecciated patches begin at 405' -										
411.5	415	Silicified Carbonate Vein - Brecciated - minor quartz clasts - slightly calcareous - sulphides at contacts, 2% sulphides (mostly at contacts) - 411 - 412' - oxidized gd. - 413.5 - 414.3' - oxidized gd. - oxidized yellow colour - @ 412 - hit a big crack, possible underground stream										
415	427.6	Argillic Gd. - noncalcareous - extensive carbonate stockwork, silicified - occassional vugs										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-9 SHEET NO. 16

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	
		- < 3% sulphides										
427.6	430	Silicified Carbonate Vein - Brecciated - granodiorite clasts, carbonate clasts - vuggy - partially oxidized - 2% sulphides, near contacts - @ 430 - hit another big crack - possibly underground stream.							$			
		430' - End of Hole										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DC-88-10 LENGTH 591 Ft.
LOCATION From L24+11S / MOOE Co NQAA at N180°
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N95° DIP -62°
STARTED July 13th/88 FINISHED July 23/88

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-62°				
591	-61°				

HOLE NO. 10 SHEET NO. 1
REMARKS Prelim. Log
LOGGED BY K Pars

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % REC.	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
0	9	Overburden										
9	21	Diorite very - slightly calcareous, magnetic - dark gray - slightly oxidized in fractures - < 1% sulphides										
21	22.8	Sheared Diorite - noncalcareous, nonmagnetic - medium brown-gray - soft - like a soil - not sticky like clay										
22.8	37	Diorite - same as 9-21' - first 4" somewhat lighter gray										
37	41	Diorite - 50% recovery - first 6" sticky mucky - cave in material - very magnetic										

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
41	59.8	Diorite - calcareous, magnetic - medium gray - [illegible] broken up - [illegible] ≤ 55' - [illegible] oxidized in fractures - oxidation increasing at 59'										
59.7	69	Vein: - oxidized - minor manganese - non-calcareous, non-magnetic } to 62' - 3% sulphides, stringers - yellow-brown 62 - 64 → 7% sulph, partially oxidized, stringers of arsp/pyrite/minor galena about 4mm wide, no carb, (1st/2nd phase) 64 - 65.5 → 5% sulph. (core angle of 45° to 50°) 65.5 - 69 → 3% sulph. → bleached diorite with minor sulphide stringers. - all of vein is bluish/green in colour, non-magnetic.										
69	95.5	DIORITE - strongly magnetic - very siliceous - slightly calcareous - < 5% sulph. - very [illegible] - slightly oxidized fractures. (same as 41-59.8)										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-82-10 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	ASSAYS
		- 1 small carbonate vein with 3% sulphides disseminated around it in diorite @ 80' and @ 85.5'										
		- marbles 89 - 91'										
		- contact with some greenish mush @ 95.5' highly calcareous mush										
95.5	122	Potassic Granodiorite										
		- calcareous, strongly magnetic										
		- very broken up (marbles)										
		- <1% sulphides										
		- slightly calcareous after 111'										
		- fractures slightly oxidized										
		- 2' highly calcareous mush @ 120'										
122	123	Oxidized Propylitic Granodiorite										
		- Calcareous, nonmagnetic										
		- carbonate - sulphide veins										
		- 4% sulphides										
		- (very poor core recovery)										
123	141	Potassic Granodiorite										
		- same as 95.5 - 122										
		- slightly calcareous										
		- still very broken up, 40% core recovery 132 - 141'										
141	146	Sheared Propylitic Gd.										
		- 141-142. sheared light blue calcareous mud										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- partially oxidized 142-146										
		- 40% core recovery 141-146										
		- difficult to estimate sulphides ~<2%,										
146	153.8	Propylitic Granodiorite / Diorite										
		- 40% core recovery 146-151'										
		- slightly calcareous, magnetic propylitic gd. 146-149'										
		- very slightly calcareous, strongly magnetic diorite 149-150.5 (actually 4')										
		- muddy + oxidized, 151-152, propylitic gd.										
		- partially oxidized broken up propylitic gd 152-153.8										
153.8	156.5	Potassic Gd										
		- noncalcareous, strongly magnetic										
		- partially oxidized in fractures										
		- <1% sulphides										
156.5	169	Propylitic Gd / Sulphide Veins										
		- noncalcareous, nonmagnetic										
		- partially oxidized, broken up										
		- 5% sulphides 156.5 - 158										
		- <2% sulphides 158 - 165										
		- 3% " " 165 - 169										
169	176	Argillic Gd										
		- noncalcareous, non magnetic										
		- oxidized										
		- first foot is muddy										
		-										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-89-10 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		-5% sulphides 169 - 171' -2% sulphides 171 - 176'										
176	184.3	Fract. ~~Gd~~. - ca [illegible], magnetic (broken up) - [illegible] - <2% sulphides 170 - 182.6' - carbonate veins - potassic zones 89.4 - 184.3 - 4% sulphide 182.6 - 183.2, carbonate - sulphide vein - <2% sulphides 183.2 - 184.3										
184.3	192.4	Potassic Gd. - noncalcareous, magnetic (broken up) - carbonate veins - <2% sulphides - sheared @ 190 - 192', mushy - partially oxidized										
192.4	196.5	Propylitic Gd. - calcareous, slightly magnetic - partially oxidized - <2% sulphides										
196.5	209.2	Potassic Gd. - calcareous, slightly magnetic - carbonate - sulphide veins, surrounded by a zone of propylitic gd. @ 197.5 - 198, 201.3 - 201.9'										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- < 2% sulphides 196.5 - 197.5										
		- 5% sulphides 197.5 - 198', core angle 35°, (good)										
		- < 2% sulphides 198 - 201.5										
		- 4% Sulphide 201 - 202 core angle 30° (good) minor galena										
200.2	206	Propylitic Gd										
		- highly calcareous, nonmagnetic										
		- 4% sulphides, finely disseminated										
		- carbonate veins										
206	211	Argillic Gd										
		- calcareous to highly calcareous										
		- partially sheared										
		- carbonate sulphide veins										
		- 3% sulphides										
		- broken up to mushy in places, last foot partially oxidized										
211	214.5	Sheared - oxidized Propylitic Gd										
		- olive-green mush										
		- highly calcareous, nonmagnetic										
		- small carbonate sulphide vein @ 214.										
		- difficult to estimate sulphides										
214.5	222	Propylitic Gd										
		- highly calcareous, nonmagnetic										
		- Sheared 216 - 218', mushy										
		- 2% sulphides										
222	225.9	Argillic Gd										
		- calcareous, nonmagnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-10 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		- massive, partially silicified calcite - the rock is a creamy yellow - 2% sulphides									
228.9	229.5	Propylitic Gd - calcareous, magnetic - < 2% sulphides - carbonate veins									
228.5	229.6	Potassic Gd. - calcareous, slightly magnetic - <2% sulphides									
229.6	233	Argillic Gd/Carbonate Vein - calcareous, non magnetic - swirly carbonate-sulphide vein @ 231-231.4', core angle 40°, (good) - <2% sulphides 229.6-231' - 4% sulphides 231-231.9' - last foot mixed Argillic/Propylitic Gd - soft rock - <2% sulphides 231.9-233									
233	243.8	Propylitic Gd. - calcareous, magnetic - partially oxidized in fractures - carbonate-sulphide vein @ 237.3, core angle 30° - <2% sulphides 233-236.8 - 3% sulphides 236.8-237.8, minor galena									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		-<2% sulphides 237.8-										
		- 6" argillic with carb. vein @ 241.3, core angle 45°										
243.8	245	Rhyolite Dyke / sulphide veins										
		- very fine grained										
		- pale green grey										
		- noncalcareous, nonmagnetic										
		- minor carbonate - sulphide veins										
		- 3% sulphides										
245	247	Potassic Gd.										
		- slightly calcareous, slighty magnetic										
		- first foot is very pink - probably alteration due to rhyolite dyke										
		- carbonate veins										
		- < 2% sulphides										
		- slightly sheared										
247	249.7	Propylitic Gd										
		- calcareous, slightly magnetic										
		- < 2% sulphides										
249.7	258	Argillic Gd / Vein										
		- slightly calcareous, nonmagnetic										
		- massive calcite veins										
		- Swirly carbonate sulphide vein @ 255.5-256, core angle 30-45°, Variable										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 2% sulphides 249.7 - 255.5' - 4% sulphides 255.5 - 256.1' - 2% sulphides 256.1 - 258										
258	259.2	Propylitic Gd - calcareous, slightly magnetic - < 2% sulphides										
259.2	268.5	Potassic Gd. - slightly calcareous, magnetic - carbonate veins - < 2% sulphides - slightly sheared										
268.5	271.3	Argillic Gd/Propylitic Gd Mixture - highly calcareous, nonmagnetic - < 2% sulphides										
271.3	273.7	Argillic Gd - slightly calcareous, nonmagnetic - partially oxidized 271.5 - 273 - carbonate veining increasing 272.5										
273.7	278.5	Argillic Gd. / Vein - carbonate sulphide veins - core angle 30°, @ 274' - calcareous, non magnetic - 3% sulphides - last 6" are mushy										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 16

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
278.5	281	Propylitic Gd - (Slightly Sheared) - highly calcareous, non magnetic - core angle of shear - 50°, @ 280.5 - < 2% sulphides										
281	285	Propylitic Gd (Sheared) above - calcareous, slightly magnetic - partially oxidized in fractures - <1% sulphides										
285	291	Argillic Gd. - Slightly calcareous - 2% sulphides - partially oxidized										
291	295.2	Argillic / Propylitic Gd - calcareous, non magnetic - crushed up 294 - 295 - < 2% sulphides										
295.2	321	Propylitic Gd - calcareous, magnetic - carbonate veins and stockwork - crushed up, 299.5 - 301' - < 2% sulphides 295.2 - 302' - 3% sulphides 302 - 302.5 - <2% Sulphides 302.5 - 321' (n 2% chalco pyrite @ 303.5) - core angle 35°, @ 319.3'											

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
321	323.6	Argillic Gd - calcareous, nonmagnetic - <2% sulphides										
323.6	325	Argillic Gd / Vein - carbonate - sulphide vein - slightly calcareous - 7% sulphides										
325	329.7	Argillic Gd - slightly calcareous, nonmagnetic - partially oxidized - minor carb. sulphide veins, core angle 33°, @ 327.5' - 2-3% sulphides										
329.7	330.5	Argillic Gd / Vein - carbonate - sulphide vein - 4% sulphides - lots of calcite - Core angle 30°										
330.5	332.8	Argillic Gd - same as 325 - 329.7										
332.8	335.6	Argillic Gd / Massive Quartz - Sulphide Vein - noncalcareous, nonmagnetic - 4% sulphides 332.8 - 333.7', contains galena - 40% Sulphides 333.7 - 334.3' - 15% Sulphides 334.3 - 335.6' - slightly sheared										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
335.6	345	Argillic Gd. (oxidized) - calcareous to slightly calareous. - red swirls, chunks of carbonate, red on fractures - 2% sulphides, trace galena (oxidized matrix) - core angle of 1" calc vein at 340.5 is 35° (good). (red oxidized vein // calc vein. - a 1 cm sulph vein at 342 - non magnetic - mainly white colour with red/white wisps.										
345	350	Argillic Gd (partially oxidized) Sheared: - no carb. - non magnetic - slightly sheared throughout. - orange/brown colour on outside (& when broken get bright purple, white & brown, abundant purple substance. - very muddy - possibly 4-5% sulph if purple stuff is sulph (oxidized). - fault at 350' with core angle of 55° (good) → down an 1cm wide chlorite shear - probable fault at 346' also * this zone seems to be a distinct change in the core angle from here on.										
350	354.3	Argillic with Sulph - slightly oxidized - non magnetic - very calcareous. - blue mud patches plus pyrite stringers & dissemination										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		≈ 5-7% sulphs. (minor galena seen)										
		- core angle appears to be around 45° (varies from 30° to 55°)										
		- slightly sheared throughout.										
3543	3564	BLUE MUD VEIN										
		- very dark blue mud (30% sulph.)										
		- good core angle at 65°										
		- very slightly calcareous.										
		- highly sheared.										
		- non magnetic										
3564	366	Propylitic Gd.										
		- calcareous										
		- carb/qtz/sulph stringers (pyrite) throughout.										
		- non magnetic										
		≈ 3% sulph average (first 1ft 4%).										
		- carb stud from 360 to 366										
		- at 365.5 is a 1cm wide qtz/carb/pyrite/chalcopyrite vein (within 3% sulph range.) (20° core angle of vein.)										
366	378.3	Argillic Gd with Sulphides										
		- white argillic gd. with disem. sulph and stringers throughout.										
		- slightly calcareous										
		- non magnetic										
		- sheared patches throughout.										
		- sulphides vary from 3-6% ≈ 4% up to 376 other 2%.										
		- core angle not very good but about 55°										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-84-10 SHEET NO. 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
378·3	384	SHEARED PROPYLITIC Gd. — calcareous - very chloritic with patches. - carb veins + stock. - < 3% sulph - partially oxidized - non magnetic, core angle 45-60° (poor).										
384	386·7	Argillic Gd - core angles 50-70° (poor) ≃ 55° - slightly calcareous. - partially oxidized. - < 2% sulph. - minor silicified carb veins. - non magnetic										
386·7	388	Propylitic Gd - same as 378·3 - 384										
388	390·5	Potassium Silicate Gd. - not sheared. - very calcareous with carb in fractures. - very minor pyrite veinlets (< 2% sulph) - strongly magnetic.										
390·5	392	Propylitic Gd. - very carbonate rich (veins up to 1" wide.) - minor pyrite patches (2%) - very soft. - magnetic.										
392	394·5	Potassium Silicate Gd Calcareous, chloritized, strongly magnetic, slightly sheared, < 1% sulph. (carb veins)										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-EE-10 SHEET NO. 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
394·3	400·5	Propylitic Gd. Same as 390·5 - 392 ≈ 2% disem. sulph. - strongly sheared. - cc veins - minor potassium silicate gd from 397 - 397·8										
400·5	463·5	Potassium Silicate Gd - not sheared - minor carb stwk (slightly calcareous.) - strongly magnetic - <1% sulph, minor magnetite - siliceous - very minor patches of propylitic starting at 424ft. & carb stockwork becomes stronger but is still weak. (minor carb/sulph stringers) - many different core angles from 25° to 60°										
463·5	469	Propylitic Granodiorite - heavily propylitized wk. - strong carbonate stwk. - magnetic, strong 20° core angle of carb veins. - 2-3% sulph of pyrite and magnetite - pyrite on edges of carbonate veins. - calcareous.										
469	474·5	Potassium Silicate Gd. - weak carbonate stwk which gets strong at 471·5 - strong 20° core angle of carb veins (other angles also → no good core angles - strongly magnetic - <2% sulph. found on carb veins.										
474·5	475·3	Propylitic Gd. - strongly chloritized, poor core angle at 55°										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 16

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		-strong carb stwk. -calcareous <1% sulph.									
475.3	477.5	Argillic Gd with Vein (Brecc. Carb/qtz/sulph.)									
		-argillic gd with disem sulph surrounds a 6" vein in the centre									
		-vein angle of vein → a good core angle? 20° 50°									
		-calcareous									
		-non magnetic									
		475.3 - 475.8 → argillic gd with 5% disem sulph.									
		475.8 - 476.5 → brecc carb/qtz/sulph vein. 20% sulph (fine to med grained)									
		476.5 - 477.5 → argillic with 3% disem. sulph.									
477.5	478.5	Propylitic Gd.									
		<2% sulph.									
		- magnetic									
		- calcareous.									
478.5	491	Potassic Silicate Gd.									
		-calcareous to slightly calcareous									
		-patches of carb stwk.									
		-<1% sulph.									
		-strongly magnetic									
491	523.5	Potassic/Propylitic Mixture									
		- chloritic patches in potassic Gd.									
		- strong carb stwk. in places.									
		-strongly magnetic to magnetic									
		-<1% sulph.									
		-variable core angle									

LANGRIDGES – TORONTO – 366-1188

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-EE-10 SHEET NO. 17

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		-at 516 we start to get small qty/pyrite veinlets. 2% sulph. & carb stuff gets stronger. → core angle of pyrite vein = 45°									
523.5	524.5	Proximitic Gd - strongly magnetic - non calcareous. - broken up - < 2% sulph.									
524.5	525.5	Fault/Vein/Rhyolite - at 524.5 in a 2" wide shear of dlorite & blue mud (15°25) - then we get the rest as white rhyolite with sulphide wisps & dissemination (5% sulph.) Minor galena cubes. - highly calcareous. - non magnetic									
525.5	526.3	Breec. Qtz/Carb/Sulph Vein. - 20% sulph (minor galena) → brecciated patches of pyrite with wispy black sulphides as second phase. - calcareous. - non magnetic									
526.3	532	Rhyodacite Dyke (with sulphides.) - calcareous - light green/grey colour - some breec clasts, xenoliths & qtz eyes. - first 2 ft has about 6% sulphides as fine black qtz/sulph stock & dissemination & then it goes to 3-4% as very fine dissemination - many small black sulph crystals by themselves (???) - 40° core angle:									

LANGRIDGES – TORONTO – 368-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-68-10 SHEET NO. 18

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- last 6 inches is very sheared										
532	535	Propylitic Granodiorite - first 5' is sheared to mud with 3% disem. pyrite. - chlorite stwk + min carb stwk. - slightly calcareous - strongly magnetic.										
535	539.5	Propylitic/Potassic Mixture - strongly magnetic - slightly calcareous. - minor chlorite/pyrite veinlets <2% sulph. - chlorite/carb stwk in places makes rock propylitic.										
539.5	547	Carbonatized Propylitic Gd - strong carb veining in patches. - slightly sheared - calcareous - carb has pyrite veins on edges. (2% sulph) - strongly magnetic										
547	549	ARGILLIC GD. - 3-4% disem sulph. - calcareous. - non magnetic - broken up & muddy for last 6" - 2 thin sulphide veins at contact to below (.75 cm and 1.) blebs/plate.										
549	561.6	DACITE DIKE - dark to med. green in colour. - many carb veins ⇒ calcareous to very calcareous. - magnetic - 2% fairly (very) disem sulph. - slightly sheared in places.										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 19

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
561.6	566	ALTERED RHYOLOBACITE FLOW - very good abrupt contact (not cleaned) with a core angle of 70° - highly calcareous. - light lime green/white colour - 4-5% disseminated pyrite - highly fractured with carb stock (very strong) - non magnetic.										
566	572.4	Vein/Argillic Granodiorite - competent argillic gd with qtz/carb stock & qtz/sulph stock (very strong in both) - non magnetic - slightly calcareous with calcareous patches of carb. - pyrite with minor galena/sphalerite in thin vein with dissemination as well. 566-567 → 20% Sulph 567-568 → 8% 568-569 → 12% 569-570 → 8% 570-571 → 12% 571-572.4 → 8% → contains a 5" wide carb vein with clasts of vein material from 571.3 to 571.7 which shows galena/sphalerite patches. - core angles from 30-60° with most at 45°										
572.4	580.3	Propylitic Granodiorite - strongly chloritic - very calcareous with minor carb veins - strong chlorite veining - <2% disseminated pyrite.										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-10 SHEET NO. 20

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
580.3	585.9	Andesite - dark green fine grained andesite - slightly calcareous (minor carb veins throughout) - very fine disseminated pyrite throughout 3-4% - core angle at contact = 55° (excellent @ 580.3) (55° at 585.9 also but poor) - contact at 580.3 shows only slight alteration in both lithologies → andesite very late coming in & fast cooling.										
585.9	591	Propylitic/Potassic Granodiorite Mixture - non calcareous - siliceous - potassic with patches of albite veins (bleached) making propylitic patches (20% propylitic) Minor pyrite in albite. - 2-2½% sulph. - strongly magnetic. - all veining at wide angle of 60° (excellent) End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-12 LENGTH 128 Ft.
LOCATION L 18+675/1350E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 1160° DIP -60°
STARTED July 3 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 12 SHEET NO. 1
REMARKS Preliminary Log

LOGGED BY KR

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	6.5	Overburden
6.5	7.7	Oxidized Propulitic Gd - noncalcareous, non magnetic - totally oxidized - solid manganese coating
7.7	11	Propylitic Gd. - non calcareous, magnetic - partially to totally oxidized - minor manganese - no visible sulphides
11	17	Fractured Propylitic Gd / Mud (possible mud vein MZ.) - 30% mud - noncalcareous, nonmagnetic - rock chunks pitted and vuggy - rusty orange colour - ? % sulphides - totally oxidized
17	21	Oxidized Propylitic Gd - noncalcareous, nonmagnetic

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ/TON	OZ/TON	

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DD4-93-14 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		- abundant manganese - Silicified carbonate veining - core angle 67°, @ 20'									
21	36.7	Propylitic Gd - slightly calcareous, non magnetic - minor sulphide veins - core angle 43°, @ 22.5' - carbonate veilets. (minor) - from 25 - 27.8', broken up, coated in manganese, - partially to totally oxidized 21 - 29.4' - oxidized in fractures, with minor manganese 29.4 - 36.7' - <2% sulphides									
36.7	40.8	Potassium Silicate Gd - noncalcareous, magnetic - slightly oxidized, minor manganese in fractures - <1% sulphides									
40.8	42.2	Propylitic Gd - noncalcareous, slightly magnetic ← except for magnetik patches - oxidized in fractures with minor manganese - < 2% sulphides									
42.2	90.1	Potassium Silicate Gd - same as 36.7 - 40.8 to 54.5' - at 54.5' the fractures are moxidized and calcareous, minor manganese.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 14 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ./TON	ASSAYS OZ./TON	
		- magnetite veins, core angle 45°, @ 73.5-74', 77.5'										
90.1	93	Propylitic Gd - noncalcareous, strongly magnetic - oxidized, calcareous fractures - <1 sulphides										
93	95.2	Potassium Gd. - same as 36.7-40.8										
95.2	97	Propylitic Gd. - noncalcareous, strongly magnetic - chloritic bands, core angle 65°, -60°, variable - carbonate in fractures - trace sulphides in some veinlets - <2% sulphides										
97	123	Potassium Gd - noncalcareous, magnetic - carbonate in fractures - partially oxidized in fractures - very minor manganese - <1% sulphides - pink dykes @ 123-124'										
		Hole Abandoned 123'										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-14A LENGTH 112'
LOCATION L18+67S / 13+65E
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 11.62° DIP 70°
STARTED July 9 FINISHED July 12th

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°	N60°			

HOLE NO. 14A SHEET NO. 1
REMARKS Preliminary Log
LOGGED BY K.R.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS ¢	ASSAYS ¢	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	6	Overburden										
6	112	Potassium Silicate Granodiorite - noncalcareous, magnetic - carbonate in fractures, partially oxidized fractures - <1% sulphides - minor manganese in fractures - magnetite rich patches - starting @ 19.5' - one of those pink dykes @ 23.5' - core angle 30°, magnetite vein @ 29', - core angle 40°, magnetite vein @ 36' - core angle 23°, " " @ 56' - magnetite content decreasing @ ~69' - granodiorite becomes very slightly calcareous @ 79'-83' - core angle 20°, @ 87.6', greenish-magnetite rich-minor sulphide vein, slightly calcareous, 3% sulphides 87.6-88', - granodiorite very slightly calcareous in patches - @ 98' - get a pink dyke/carbonate vein with a salmon pink halo of alteration - dyke/carbonate vein core angle 40°											

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-93-14A SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- dominant carbonate 102 - 103', <3% sulphides										
112	113.2	Propylitic Granodiorite/Argillic Gd Mixture - [illegible] calcareous, nonmagnetic - moderately oxidized - 4% sulphides										
113.2	115	Oxidized Argillic / Vein - calcareous, nonmagnetic - core angle 40°, @ 113.3' - strongly oxidized - 10% sulphides										
115	116	Propylitic/Argillic Gd. Mixture - same as 112-113.2										
116	133.2	Potassium Silicate Gd. - slightly calcareous, magnetic - fractures - partially oxidized, calcareous, very minor manganese - <1% sulphides										
133.2	134.5	Propylitic Gd. - calcareous, magnetic - 3% sulphides - partially oxidized in fractures										
134.5	139	Argillic Gd - non calcareous, nonmagnetic										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 14A SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON	
		- carbonate sulphide veins - core angle 35°, (good) @ 137' , silicified - 3% sulphides 134.5 - 135.5' - 2% sulphides 135.5 - 137.1' - 1% sulphides 137.1 - 138.4' - 5% sulphides 138.4 - 139										
139	140	Massive Sulphide Vein - calcareous, nonmagnetic - contains pyrite-chalcopyrite, galena, sphalerite, sulfosalts, arsenopyrite - core angle 15° - 80% sulphides										
140	141.4	Fragillic Gd - slightly calcareous, nonmagnetic - oxidized in fractures - 3% sulphides										
141.4	156	Propylitic Gd. - calcareous, slightly magnetic - 4% sulphides 141.4 - 143.4 - carbonate-sulphide veins - <2% sulphides, 143.4 - 145.2 - 5% sulphides, 145.2 - 145.5, sulphidevein, corecangle 45° - <2% sulphides 145.5 - 149 - core angle 35°, @ 149' sulphide vein - 3% sulphides 149 - 152' - <2% sulphides 152 - 156'											

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 14A SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
156	168.2	Potassic Gd - noncalcareous to slightly calcareous - carbonate veins - <1% sulphides 156-158.8' - 5% sulphides 158.8-159.6' - <1% sulphides 159.6-168.2										
168.2	169	Argillic Gd. - highly calcareous - mushy - purple swirls, almost white in colour - no visible sulphides										
169	173.2	Propylitic/Potassic Gd - calcareous, magnetic - <1% sulphides										
173.2	177	Propylitic Gd - calcareous, slightly magnetic - carbonate veins - core angle 35° 176.2' - 2% sulphides 173.2-177' - minor magnetite veins @ 176.5'										
177	181	Propylitic Gd - noncalcareous, magnetic - 20% potassic inclusions - <1% sulphides										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 14E SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
181	185.2	Argillic Gd / vein - slightly calcareous, nonmagnetic - carbonate vein and stockwork - core angle 40°-45° @ 183.5' - some [illegible] surface vein - partially massive - 3% sulphides 181 - 182.3' - 5% sulphides 182.3 - 183.5' - 2% sulphides 183.5 - 185.2										
185.2		Propylitic Gd - slightly calcareous, magnetic - magnetite-sulphide vein, core angle 30° @ 187' - carbonate stockwork - 2% sulphides - last 1.5' highly chloritized										
190.6	195.4	Argillic Gd - calcareous, nonmagnetic - slightly sheared, core angle 45° @ 192.7' - carbonate veins, core angle 40° @ 194.4' - < 2% sulphides										
195.4	197.6	Propylitic Gd. - calcareous, magnetic - carbonate stockwork										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. [illegible] SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- slightly sheared - < 1% sulphides - chloritized										
197.6	222.6	Argillic Gd / Dike - [illegible] - slightly sheared - < 2% sulphides 197.6 - 198.4 - 15% sulphides 198.4 - 198.7, sheared up - 2% sulphides 198.7 - 199.4										
199.4	223.6	Fo-assic / Frac-ure Gd Mixture - calcareous, magnetic, abundant carbonate - < 2% sulphides 199.4 - 200.5' - 3% sulphides 200.5 - 201', carbonate-sulphide vein with argillic alteration - < 2% sulphides 201 - - Argillic vein 201.5 - 202' - highly calcareous - sheared up 206 - 210, 216.5 - 218.7'										
223.6	227	Propylitic Gd - highly calcareous, magnetic - abundant carbonate - sheared slightly, chloritized - < 2% sulphides										
227	260	Argillic Gd - highly calcareous, non-magnetic										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DM-89-14A SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		- sheared almost to a stiff clay - sheared sulphides - 3% sulphides - difficult to estimate 207 - 232.5' - [illegible] of quartz - carbonate sulphide vein 232.5 - 234.5', 15% sulphides, - quartz fine - granite seems rather than the argillic seems of the rest of the argillic - 2% sulphides 234.5 - 238, partially oxidized - 3% sulphides 238 - 239.5 - oxidized 239.5 - 241', gravelly, greenish Lost approx 11 feet of core when they reamed down and reduced to NQ rod. - back into same greenish muddy - gravelly material, oxidized, sheared 252 - 254.5' - partially oxidized muddy, gravelly 254.5 - 261' - 35% core recovery 261 - 266									
266	274.3	Argillic Gd - calcareous, non magnetic - sheared, mud + gravel - sulphide vein @ 267.3' - difficult to estimate sulphides ~3%									
274.3	289	Argillic Gd - slightly calcareous, nonmagnetic									

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		- partially oxidized - broken and muddy at 280.8 – 282' - < 2% sulphides - [illegible] and oxidizes to red in present as specks - core [illegible] 35° [illegible] carbonate vein @ 294.5' - [illegible] unoxidized carbonate veins 280 – 289										
280	295.5	Argillic Gd. - calcareous, nonmagnetic - partially oxidized, - has an olivey green colour - core angle 38°, @ 294.8, reddish - carbonate vein - slightly sheared - last 2' - ore mud - 2% sulphides										
295.5	301.7	Propilitic Gd - calcareous, nonmagnetic - some carbonate stockwork - dark olive - green colour - partially oxidized - < 2% sulphides										
301.7	307.1	Argillic Gd. - calcareous, non magnetic - Sheared up mud 303.5 – 304.3' - < 2% sulphides - black mineral present. - slightly oxidized. - last foot - sheared, greenish										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DV-88-14A SHEET NO. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
307.1	308.2	Argillic Gd / Massive Sulphides / Blue Mud - calcareous - 70% sulphides - sheared (no core angle)										
308.2	326.4	Argillic Gd. - very slightly calcareous - carbonate sulphide stringers - 7% sulphides 308.2 - 309' - 3% sulphides 309 - 311 - partially oxidized - <2% sulphides 311 - 326.4 - sheared, oxidized mush 312.5 - 314'										
326.4	335.5	Propylitic Gd. - calcareous, slightly magnetic - first 2.5' - oxidized - slightly sheared - minor carbonate stockwork - core angle 30°, carb. - minor sulphide vein, @ 330.5 - <2% sulphides - from 334.5 - 335.5, the rock is pinky-orange, highly calcareous, 3% sulphides										
335.5	336.6	Argillic Gd. - slightly calcareous - carbonate stockwork - slightly sheared - 3% sulphides										

LANGRIDGES — TORONTO — 366-1168

FORM C

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DH-89-14A SHEET NO. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
336.6	337.6	Brecciated Carbonate Sulphide Vein - slightly calcareous - largely silicified - core angle 35° - pink & white carbonate - brecciated and sheared - 15% sulphides									
337.6	341.6	Fragments - noncalcareous - partially oxidized - 2-3% sulphides, disseminated									
341.6	345.5	Propylitic Gd - noncalcareous, nonmagnetic - 2% sulphides, disseminated - slightly oxidized									
345.5	349.5	Propylitic / Argillic Gd. Mixture - calcareous, nonmagnetic - quartz (minor sulphides), 25-50° - variable core angles. - ~2% sulphides - partially oxided									
349.5	360.1	Propylitic Gd - noncalcareous, strongly magnetic. - carbonate stockwork - quartz-sulphide veins, contains sphalerite, 6% sulphides - chloritized - overall < 2% sulphides. - partially oxidized 353.3 - 358.6 - slightly sheared - quartz-carbonate vein, core angle 30° @ 358 - sharp contact with carbonate vein - followed by Argillic Gd.									

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-14A SHEET NO. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 4% sulphides in last 1 incm - core angle 45° @ 360'										
360.	366.5	Lapilli Gd. - siliceous calcareous, nonmagnetic - carbonate veins core fissured - <2% sulphides 360.1 - 363.8 - 3% sulphides 363.8 - 365' - silicified - carbonate stockwork - <2% sulphides 365- - partially oxidized										
366.5	377	Argillic Gd. - noncalcareous - carbonate - sulphide veins, - slightly brecciated - core angle - 30°, (poor), @ 367 - 4% sulphides 366.5 - 368' - core angle 40°, (good) @ 370. - 2% sulphides 368 - 370' - 4% sulphides 370 - 377', stringers - slightly sheared - carbonate stockwork 370 - 377'										
377	379.4	Brecciated Vein(?) - slightly calcareous, non magnetic - fine grained dark gray - siliceous looking, with carbonate clasts - weathered to clay in patches - 15% sulphides - sheared massive sulphide vein (0.5 cm) @ 378.5, @ 45° core angle - contact angle (upper) 70°,										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-83-19A SHEET NO. 12

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
379.4	383.1	Argillic Gd. - calcareous, nonmagnetic - carbonate - sulphide stringers - 8% sulphides										
383.1	404	Propylitic Gd - slightly calcareous to calcareous, magnetic - carbonate veins - 4% sulphides 383.1 - 387' - <2% sulphides 387 - 392.8' - 4% sulphides 392.8 - 398 - <2% sulphides 398 - 404' - chloritized - slightly sheared 404' - End of Hole.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek
HOLE NO. DDH-88-15 LENGTH 151.5 FT.
LOCATION From L10+06S / 12+88E @ 70Ft. at N330°
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N65° DIP -60°
STARTED July 24/88 FINISHED July 25/88

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60	N65°			

HOLE NO. 15 SHEET NO. 1
REMARKS Preliminary Log

LOGGED BY KR

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS $	ASSAYS ¢	ASSAYS OZ/TON	ASSAYS OZ/TON
0	8	Overburden									
8	9.4	Propylitic Granodiorite - highly calcareous, slightly magnetic - has an olive green colour - not usual propylitic green - minor manganese - carbonate in fractures									
9.4	10	Rhyodacite Dyke - calcareous, magnetic - dark grey, fine grained									
10	18.2	Propylitic / Potassic Granodiorite Mixture - about 20% potassic - - calcareous, strongly magnetic - carbonate in fractures - < 1% sulphides - partially oxidized in fractures									
18.2	19.2	Rhyodacite Dyke - calcareous, strongly magnetic - very dark grey - has "eyes" - don't look like quartz - minor carbonate veinlets									

LANGRIDGES — TORONTO — 386-1188

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible] Creek

HOLE NO. DDH-88-15 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- lower contact, core angle 45°, sharp contact - <1% sulphides										
19.2	20.5	Propylitic Ed. - calcareous magnetic - [illegible] core angle 45° - partially oxidized fractures - <1% sulphides										
20.5	44.5	Potassic Ed. - calcareous, strongly magnetic - carbonate in fractures - <1% sulphides - has visible grains of magnetite										
44.5	56.3	Argillic Ed. - calcareous, nonmagnetic - silicified carbonate vein @ 46', red streaks, core angle 75° - first 4' mushy, calcareous - highly calcareous, mushy 46.5-49.5', 51-54' - 2% sulphides - silicified carbonate-sulphide vein, cut by calcareous veins - core angle 50°, -main vein- - 4% sulphides 56-56.2' (in carb. vein)										
56.3	57.5	Propylitic Ed. - calcareous, slightly magnetic - 3% sulphides - disseminated										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH-85-15 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
57.5	65.5	Potassic Gd - slightly calcareous, very strongly magnetic - carbonate in fractures - core angle 45° @ 62' - slightly sheared carbonate vein - core angle 45° @ 62.5'; carb.-sericite vein - <2% sulphides 57.5-63.5 - 4% sulphides 63.5-65 - core angle 35°, @ 64.8										
65.5	67.8	Oxidized Propylitic Gd/Argillic Gd Mixture - highly calcareous, nonmagnetic - carbonate sulphide veins - 4% sulphides										
67.8	76.5	Propylitic Gd - calcareous, slightly magnetic - 5% sulphides disseminated 67.8-69.3 - 3% sulphides, disseminated 69.3-76.5										
76.5	96	Partially Oxidized Propylitic Gd - slightly calcareous, strongly magnetic - magnetite rich patches and veins - carbonate sulphide veins - random orientation - core angle 45° - @ 79' - magnetite vein - many carb. sulphide veins run parallel to core - 4% sulphides - core angle 50°, @ 87.5', sulphide vein										

DIAMOND DRILL RECORD

NAME OF PROPERTY Discovery Creek

HOLE NO. DDH-93-15 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- core angle 50°, @ 91', sulphide vein, - veins contain galena										
96	98	Oxidized Argillic - non calcareous, nonmagnetic - 4% sulphides - rusty										
98	100.5	Oxidized Red Mud (Vein) - noncalcareous, nonmagnetic - can't estimate sulphides - oxidized - argillic granodiorite oxidized to red mud.										
100.5	101.3	WHITE MUD WITH SULPHIDES (ADVANCED ARGILLIC GD.) - very blue rimmed fine grained sulphides in white mud. - non calcareous - non magnetic ≈ 8-10% sulph. from 100.5 - 101 101 - 101.3 → 4-5% sulph.										
101 3	108	Formerly Oxidized Argillic/Minor Advanced Argillic Gd. (Vein) - broken up to small pieces of mud, rusty, held together with minor white mud. - ≈ 5-8% sulphides of bluish sulphides - non calcareous										
108	110	VUGGY ARGILLIC GD. (VEIN) - vugs common all over → silicified but not qtz vein. - black/blue sulphide patches & streaks. - non calcareous - non magnetic ≈ 5-6% sulph.										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-82-15 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
110	114	Oxidized Argillic Gd - non calcareous - non magnetic - rusty ≈ 2% limon. sulph. - first 6" is red mud. - slightly sheared. in places. 112-113 is 2½" of sand core.										
114	124.3	Argillic Gd. with Stwk qtz/carb/sulph - core angle of 50° (estimated) - minor disseminated sulph (2%) with 2% sulph qtz/carb/sulph stwk. - 24% sulph. (118-119 = 9%S; 122-123 = 3%S) - slightly calcareous. - non magnetic										
124.3	125.4	Oxidized Argillic/Mud with Sulphides. (Vein) ≈ 8-10% sulphides (coarse pyrite, galena seen.) - non calcareous - non magnetic. - red mud with argillic clasts - sulphide veins & patches. - slightly sheared										
125.4	131.5	Partially Oxidized Argillic Gd with Qtz/sulph Veins. - rusty patches throughout. - non calcareous - Qtz/sulph Stwk. 125.4 – 127 → 2-4% sulph 127 – 128 → 10% sulph → SULPHOSALTS SEEN → core angle of 53° (estimated) 128 – 131.5 → 3% sulph - non magnetic										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-82-15 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
131.5	137	NON OXIDIZED ARGILLIC GRANODIORITE with Sulphides - partially chloritized - blue/green argillic gd with disseminated sulphides and weak stringers → sulphosalts seen at 132.5. (Hard work material — edge of ore zone) - slightly calcareous - non magnetic x - stringers at a core angle of 45° (good) at 133' → seen quite consistently from 131.5' to 135' + - at 135' the angle of stringers is 35°. ≥ 5% sulphides from 131.5 to 135 and then 3-4%										
137	140.2	Propylitic/Potassic Mixture - right in the middle of potassic gd. - <2% sulph. - calcareous propylitic & slightly calcareous potassic. - strongly magnetic										
140.2	144.3	Argillic/Propylitic Gd with Carb/Qtz/sulph Stwk. - calcareous, propylitized argillic. - non magnetic - stwk of coarse pyrite, qtz and carbonate. 141.2 - 142 → 5% sulph and then 3% for the rest.										
144.3	149.8	Propylitic/Potassic Gd Mixture - propylitic from 144.3 - 145.3 and 146.5 - 147.5 → the rest is potassic. - strongly magnetic - non calcareous <1% sulph.										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. DDH-88-15 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
149.4	151.5	Porphyritic/Potassic Gd Mixture with Minor Carb/Qtz/Sulph Stwk - core angle of vein = 60° (good) - carb stwk & parallel vein of Carb/qtz/sulph. - 2-3% [illegible] → minor blue sulph (galena ?) [illegible] → mostly pyrite of minor pyrite. - [illegible] - strongly magnetic End of Hole.										

LANGRIDGES – TORONTO – 366-1168

FORM 2

Appendix II - Assay Data

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prev	Au Prev
01-88-01	91-93	57	855	1789	10.4	-5	-10	4800	37	205		
01-88-02	110.5-111.8	46	234	292	3.1	-5	-10	596	45	24		
01-88-03	111.8-117	31	138	130	2.4	-5	13	528	19	17		
01-88-04	117-123	15	87	85	0.5	-5	-10	158	10	8		
01-88-05	123-125	16	182	119	-0.5	-5	-10	87	6	-5		
01-88-06	145-149	52	209	83	2	-5	-10	162	32	11		
01-88-07	149-152	36	634	308	6.1	-5	-10	330	42	80		
01-88-08	152-154	54	4532	2000	9.5	40	11	625	94	2393	3461	2721
01-88-09	154-156.5	119	884	555	10.5	27	-10	532	54	45		
01-88-10	156.5-157.5	139	7350	2000	20.3	33	18	2850	166	576		
01-88-11	157.5-159.5	81	522	850	8.3	5	-10	417	45	111		
01-88-12	160-162	111	712	117	-0.5	-5	-10	103	45	7		
01-88-13	162-166.2	132	125	86	-0.5	-5	-10	59	16	8		
01-88-14	166.2-168.7	197	188	196	0.5	6	-10	75	48	38		
01-88-15	168.7-173	186	833	299	5.7	-5	-10	1149	67	54		
01-88-16	173-176	139	343	660	2.9	-5	-10	139	38	104		
01-88-17	176-181	109	1297	678	8.1	-5	-10	752	28	65		
01-88-18	181-184	91	269	51	3.3	-5	-10	183	148	29		
01-88-19	184-188	87	263	492	2.3	-5	-10	136	39	109		
01-88-20	188-192	93	359	693	2.2	-5	-10	175	59	43		
01-88-21	192-195	79	188	29	0.6	-5	-10	161	179	7		
01-88-22	195-198	43	375	352	2	-5	-10	325	34	7		
01-88-23	198-200.5	103	2087	349	9.5	-5	-10	1928	42	29		
01-88-24	200.5-202.5	136	7280	2000	20	-5	11	6300	118	291		
01-88-25	202.5-206	93	4207	2000	11.9	7	-10	4460	87	166		
01-88-26	206-209	153	946	195	7.1	-5	-10	1056	34	25		
01-88-27	209-213	130	134	111	6.3	-5	-10	176	14	15		
01-88-28	213-215	139	7080	2000	16.8	-5	-10	6150	176	576		
01-88-29	215-218.5	112	1878	954	11.5	-5	-10	3440	64	114		
01-88-30	218.5-223	122	102	44	1	-5	-10	178	48	10		
01-88-31	223-228	180	55	-5	-0.5	-5	-10	50	48	5		
01-88-32	232-237	35	77	-5	-0.5	-5	-10	65	34	8		
01-88-33	237-241.5	21	366	282	1.6	-5	-10	459	101	30		
01-88-34	241.5-244.5	12	161	42	-0.5	-5	-10	94	21	5		
01-88-35	244.5-246	16	162	516	0.6	-5	-10	147	33	6		
01-88-36	246-247.8	15	46	-5	-0.5	-5	-10	58	21	5		
01-88-37	247.8-249.5	146	6930	122	14.8	-5	-10	2890	126	69		
01-88-38	249.5-255	38	53	10	-0.5	-5	-10	34	15	-5		
01-88-39	255-256	32	136	27	-0.5	-5	-10	50	18	21		
01-88-40	256-258	74	803	480	1	-5	-10	128	123	9		
01-88-41	261-265	13	100	11	-0.5	-5	-10	90	15	-5		
01-88-42	265-267.5	100	3624	257	9.2	-5	-10	2755	84	29		
01-88-43	267.5-271	13	109	41	0.6	-5	-10	67	15	-5		
01-88-44	271-276	14	82	11	-0.5	-5	-10	58	15	-5		
01-88-45	280.5-283	12	136	29	-0.5	-5	-10	63	36	-5		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prep	Au Desp
01-88-46	283-285	89	1070	166	2.6	-5	-10	461	45	14		
01-88-47	285-287	100	2218	283	4.6	-5	-10	892	48	26		
01-88-48	287-292	14	169	-5	-0.5	-5	-10	159	15	-5		
01-88-49	292-295.5	10	73	94	-0.5	-5	-10	52	18	-5		
01-88-50	295.5-297	16	106	-5	0.6	-5	-10	150	26	-5		
01-88-51	297-300	10	149	72	0.9	-5	-10	287	93	-5		
01-88-52	306-309	18	282	87	1	6	-10	163	36	-5		
01-88-53	229-232	3	37	-5	-0.5	-5	-10	36	9	-5		
02-88-054	29-34	48	89	9	-0.5	8	-10	122	9	18		
02-88-055	36-40	19	76	47	-0.5	-5	-10	42	6	6		
02-88-056	40-45	10	67	6	-0.5	-5	-10	48	6	-5		
02-88-057	51-56	21	81	18	-0.5	-5	-10	70	6	-5		
02-88-058	64.8-66	32	603	289	5.3	-5	-10	740	30	387		
02-88-059	73-76	23	187	18	-0.5	-5	-10	69	15	13		
02-88-060	78-79.5	34	455	170	0.7	-5	-10	101	21	19		
02-88-061	88-91	424	100	-5	0.6	-5	-10	210	9	99		
02-88-062	99-102	88	75	17	-0.5	-5	-10	43	9	23		
02-88-063	118-121	29	124	39	-0.5	-5	-10	50	12	10		
02-88-064	121-124	30	684	164	0.6	-5	-10	213	18	12		
02-88-065	124-126	96	2741	601	7.2	5	-10	1937	81	76		
02-88-066	126-127.5	81	2321	432	1.4	-5	-10	250	18	11		
02-88-067	127.5-129	45	553	424	5.5	-5	-10	1624	45	127		
02-88-068	129-130	194	217	884	9.1	-5	-10	1647	35	519		
02-88-069	130-131	581	485	2000	11	-5	-10	2558	54	732		
02-88-070	131-132	57	162	563	7.1	-5	-10	1571	30	280		
02-88-071	132-133	69	442	2000	6	-5	-10	8140	154	1301	1076	1411
02-88-072	133-135	78	651	725	0.5	-5	-10	156	297	27		
02-88-073	135-137.5	113	566	372	-0.5	-5	-10	48	167	5		
02-88-074	137.5-141	103	855	40	-0.5	-5	-10	70	16	13		
02-88-075	153-156.25	177	178	28	-0.5	6	-10	86	14	36		
02-88-076	156.25-158	600	592	105	3.4	-5	-10	256	43	113		
02-88-077	158-159	380	205	122	5	-5	11	192	30	96		
02-88-078	159-162	169	100	-5	0.5	-5	-10	52	9	36		
02-88-079	164.7-166	88	70	86	-0.5	-5	-10	52	85	15		
02-88-080	166-168	94	244	26	2.1	-5	-10	296	78	34		
02-88-081	168-169	17	47	32	-0.5	-5	-10	123	55	26		
02-88-082	169-170.9	29	171	43	-0.5	9	-10	75	58	13		
02-88-083	181-183	112	53	-5	-0.5	11	13	132	11	20		
02-88-084	202-207	13	73	-5	-0.5	-5	12	36	8	-5		
02-88-085	207-210	32	355	22	0.5	6	-10	157	16	-5		
02-88-086	210-213.8	21	121	7	-0.5	8	-10	77	26	-5		
02-88-087	213.8-216	31	172	44	1.3	-5	-10	146	41	6		
02-88-088	216-217	20	292	129	0.7	-5	13	148	105	15		
02-88-089	217-218	131	465	758	5.2	-5	-10	1006	57	73		
02-88-090	218-219	52	237	446	3.4	14	-10	475	31	138		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	[illegible]	[illegible]
02-88-091	219-220	9	100	102	-0.5	-5	-10	60	59	64		
02-88-092	220-223	182	776	80	10.5	-5	-10	744	27	91		
02-88-093	223-226.5	182	822	57	10.3	-5	-10	711	30	108		
02-88-094	226.5-229	30	114	40	-0.5	-5	-10	59	149	6		
02-88-095	235-238	53	97	33	-0.5	-5	14	62	22	6		
02-88-096	249-251	11	62	8	-0.5	-5	-10	31	14	127		
02-88-097	251-253.5	62	109	107	2.5	-5	-10	122	30	35		
02-88-098	253.5-256	11	54	33	-0.5	-5	-10	38	11	9		
02-88-099	257-258	19	66	26	-0.5	-5	-10	52	9	8		
02-88-100	261-263	135	61	24	-0.5	-5	-10	35	11	10		
02-88-101	265.5-267	47	86	29	-0.5	-5	-10	162	15	18		
02-88-102	267-270	57	59	45	-0.5	-5	-10	41	22	21		
02-88-103	270-273	166	81	51	-0.5	-5	-10	38	28	15		
02-88-104	273-276.3	125	70	52	-0.5	-5	-10	44	81	20		
02-88-105	276.3-283	256	72	27	0.6	-5	-10	52	8	47		
02-88-106	283-285.5	113	58	59	1.1	-5	-10	73	24	31		
02-88-107	285.5-290	90	109	315	-0.5	-5	-10	57	9	52		
02-88-108	290-294	70	113	-5	0.5	-5	-10	96	38	23		
02-88-109	299.4-301	231	1287	1148	8.5	-5	-10	1307	38	238		
02-88-110	310-314	67	231	571	2.1	-5	-10	448	8	204		
02-88-111	319-320	66	75	28	0.5	-5	-10	116	8	14		
02-88-112	320-321	81	256	33	1.2	-5	-10	195	24	24		
02-88-113	321-322	201	2850	2000	16	-5	-10	1081	68	1153	1081	1.060
02-88-114	322-323	210	644	716	4.9	-5	-10	436	24	688		
02-88-115	329-331	12	102	20	-0.5	-5	-10	42	100	9		
02-88-116	331-333	18	169	19	2.5	-5	-10	189	38	20		
02-88-117	333-337	14	40	12	-0.5	-5	-10	44	9	-5		
02-88-118	337-341	8	369	-5	-0.5	6	-10	51	83	5		
02-88-119	341-346	11	44	21	-0.5	-5	-10	48	43	-5		
02-88-120	353-356	7	45	7	-0.5	-5	-10	37	46	-5		
02-88-121	359-362	23	1060	835	1.2	-5	-10	253	143	89		
02-88-122	377-381	3	70	-5	-0.5	-5	-10	37	68	-5		
02-88-123	381-383	24	1023	122	1.3	-5	-10	253	93	33		
02-88-124	383-385	20	950	-5	1.4	-5	-10	245	46	26		
02-88-125	385-387	109	884	41	3.4	-5	-10	306	99	47		
02-88-126	387-388	105	1804	56	3.4	-5	-10	456	95	666		
02-88-127	388-389	296	6351	117	8.2	-5	-10	748	370	239		
02-88-128	389-390	62	476	20	2.3	-5	-10	298	27	87		
02-88-129	390-392	89	312	31	0.9	-5	-10	93	32	12		
02-88-130	392-394	196	99	54	0.5	-5	-10	40	70	12		
02-88-131	394-398	4	59	-5	-0.5	-5	-10	26	68	-5		
02-88-132	398-402	5	59	-5	-0.5	-5	-10	25	49	15		
02-88-133	402-405	6	60	11	-0.5	-5	-10	39	100	-5		
02-88-134	405-408	36	71	-5	-0.5	-5	-10	48	51	8		
02-88-135	408-410	73	1733	105	3.7	-5	-10	1352	93	761		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prep	Au Prep
D2-88-136	410-412	242	2865	174	6.2	-5	-10	1408	155	1922	1651	1701
D2-88-137	417-422	14	70	20	-0.5	-5	-10	42	40	23		
D2-88-138	422-425	16	59	23	-0.5	-5	-10	44	50	9		
D2-88-139	449-451	184	6350	381	8.6	-5	-10	11720	180	5063	1751	1911
D2-88-140	451-454	96	409	192	1.3	-5	-10	246	31	77		
D2-88-141	454-457	37	96	49	-0.5	-5	-10	58	25	29		
D2-88-142	457-460	47	425	43	0.6	-5	-10	50	52	29		
D2-88-143	460-463	39	104	37	-0.5	-5	-10	67	22	21		
D2-88-144	463-466	56	100	44	0.7	-5	-10	64	22	27		
D2-88-145	466-469	77	181	125	1.3	-5	-10	102	19	40		
D2-88-146	469-472	109	364	2000	6.8	-5	-10	778	31	217		
D2-88-147	472-476	23	85	24	-0.5	-5	-10	45	22	47		
D2-88-148	476-480	9	83	33	-0.5	-5	-10	40	28	19		
D2-88-149	480-485	8	59	26	-0.5	-5	-10	46	31	9		
D2-88-150	485-490	3	48	12	-0.5	-5	-10	28	43	-5		
D2-88-151	492-494.5	10	50	25	-0.5	-5	-10	25	37	14		
D2-88-152	494.5-500	13	40	-5	-0.5	-5	-10	34	16	10		
D2-88-153	500-505	15	36	24	-0.5	-5	-10	31	19	8		
D2-88-154	505-510	9	39	42	-0.5	-5	-10	91	25	8		
D2-88-155	514.5-519	24	43	27	-0.5	-5	-10	23	19	9		
D2-88-156	519-524	18	39	32	-0.5	-5	-10	45	93	7		
D2-88-157	524-527.9	29	39	44	-0.5	-5	-10	49	16	26		
D2-88-158	527.9-531	63	41	68	0.5	-5	-10	47	22	26		
D2-88-159	531-535	108	50	108	1.1	-5	-10	72	47	473		
D2-88-160	535-536	67	33	39	0.5	-5	-10	64	25	20		
D2-88-161	536-541	13	27	-5	-0.5	-5	-10	30	59	-5		
D2-88-162	541-545	18	30	-5	-0.5	-5	-10	20	16	7		
D2-88-163	545-548	9	36	-5	-0.5	-5	-10	38	12	-5		
D2-88-164	548-553	5	32	-5	-0.5	-5	-10	22	40	-5		
D2-88-165	553-558	7	32	7	-0.5	-5	-10	18	25	5		
D2-88-166	558-562	14	38	-5	-0.5	-5	-10	23	22	-5		
D2-88-167	562-567	6	38	6	-0.5	-5	-10	27	31	7		
D2-88-168	567-573	11	40	-5	-0.5	-5	-10	27	47	-5		
D2-88-169	573-578	21	33	-5	-0.5	-5	-10	31	34	-5		
D2-88-170	578-582.8	9	35	10	-0.5	-5	-10	30	78	-5		
D2-88-171	582.8-586	30	37	-5	-0.5	-5	-10	20	37	7		
D2-88-172	586-592.6	7	62	66	-0.5	-5	-10	19	12	-5		
D2-88-173	592.6-594	112	35	105	0.5	-5	-10	54	19	42		
D2-88-174	594-599	37	36	17	-0.5	-5	-10	50	16	12		
D2-88-175	599-603	18	30	-5	-0.5	-5	-10	40	12	-5		
D4-88-226	13.5-15	57	414	726	4.2	6	10	927	171	72		
D4-88-227	15-20	19	356	87	-0.5	-5	-10	22	21	15		
D4-88-228	30-32	13	50	43	-0.5	8	-10	34	21	18		
D4-88-229	37-39.5	13	80	84	-0.5	-5	-10	27	28	-5		
D4-88-230	43-46	5	75	120	-0.5	-5	-10	25	50	-5		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Pxx	Pxx
04-88-231	54-55	75	283	2000	5.4	-5	-10	1513	71	178		
04-88-232	60-63	17	1373	424	1.3	-5	-10	143	31	88		
04-88-233	63-66	17	175	246	0.7	-5	-10	118	12	13		
04-88-234	74-77	14	234	149	1.1	-5	-10	233	15	7		
04-88-235	88-90	14	382	207	1.1	-5	-10	283	15	24		
04-88-236	95-97	5	118	5	-0.5	-5	-10	51	15	-5		
04-88-237	99-101	3	99	-5	-0.5	-5	-10	34	16	21		
04-88-238	104-106	1	66	20	-0.5	-5	-10	35	14	10		
04-88-239	112-113	48	248	7	0.5	-5	-10	157	22	14		
04-88-240	120-125	42	374	-5	1	-5	-10	123	26	21		
04-88-241	125-127	37	257	11	0.7	-5	-10	124	19	6		
04-88-242	130-132	5	45	6	-0.5	-5	-10	57	13	8		
04-88-243	137-142.5	43	112	6	-0.5	-5	-10	44	10	-5		
04-88-244	142.5-145.5	57	471	671	2.1	-5	-10	449	22	21		
04-88-245	146-150.5	11	95	-5	-0.5	-5	-10	71	13	-5		
04-88-246	150.5-152.5	23	137	-5	-0.5	-5	-10	72	26	-5		
04-88-247	152.5-157.5	85	163	36	0.7	-5	-10	157	16	10		
04-88-248	157.5-159.5	4	61	14	-0.5	-5	-10	54	13	-5		
04-88-249	165-170	10	49	23	-0.5	-5	-10	47	10	-5		
04-88-250	175-179	4	36	12	-0.5	-5	-10	28	8	-5		
04-88-251	191-193.5	5	50	-5	-0.5	-5	-10	53	10	-5		
04-88-252	193.5-195.5	11	41	-5	-0.5	-5	-10	43	29	-5		
04-88-253	195.5-198	3	42	-5	-0.5	-5	-10	31	8	-5		
04-88-254	198-202.5	5	117	7	-0.5	-5	-10	29	13	-5		
04-88-255	202.5-204	85	607	35	4.8	-5	-10	1174	20	5		
04-88-256	204-206.3	2	32	-5	-0.5	-5	-10	22	10	-5		
04-88-257A	206.3-211	4	42	-5	-0.5	-5	-10	25	14	-5		
04-88-257A	213-215	12	72	32	-0.5	-5	-10	57	27	-5		
04-88-258	211-213	16	223	78	1	-5	-10	244	20	7		
04-88-260	215-216.5	24	149	53	-0.5	-5	-10	56	65	-5		
04-88-261	216.5-217.3	11200	1700	1396	39.6	105	-10	1757	476	237		
04-88-262	217.3-219	58	63	-5	-0.5	-5	-10	54	31	15		
04-88-263	219-221.6	31	205	-5	-0.5	-5	-10	164	116	7		
04-88-264	221.6-224	72	59	-5	-0.5	-5	-10	50	14	19		
04-88-265	224-227	44	46	-5	-0.5	-5	-10	45	10	16		
04-88-266	227-227.5	31	99	-5	-0.5	-5	-10	68	44	8		
04-88-267	227.5-229	5	32	-5	-0.5	-5	-10	32	10	6		
04-88-268	229-231	26	39	-5	-0.5	-5	-10	28	14	6		
04-88-269	231-232	13	67	-5	-0.5	-5	-10	31	17	60		
05-88-176	23.4-25.7	3	28	-5	-0.5	5	-10	32	9	-5		
05-88-177	44.2-47.5	25	1433	143	-0.5	-5	-10	39	16	6		
05-88-178	47.5-50	34	485	866	-0.5	-5	-10	86	9	8		
05-88-179	50-52	5	83	209	1.6	-5	-10	191	8	72		
05-88-180	52-54	4	88	393	2.4	-5	-10	284	13	126		
05-88-181	54-56	16	72	923	4.7	-5	-10	2091	39	930		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Ibr Prev	Ibr Comp
DS-88-182	56-58	10	30	394	5.1	6	-10	1031	26	114		
DS-88-183	58-60	7	84	358	3.7	-5	-10	728	18	103		
DS-88-184	60-62	6	119	442	1.4	-5	-10	314	13	47		
DS-88-185	62-64	7	75	485	3.3	12	-10	762	21	79		
DS-88-186	64-66	4	70	542	2	-5	-10	518	15	89		
DS-88-187	66-68	5	36	368	3.3	-5	-10	415	10	139		
DS-88-188	68-70	11	91	1686	4.8	-5	-10	855	24	557		
DS-88-189	70-72	35	104	2000	5.2	-5	-10	2381	81	803		
DS-88-190	72-74	58	605	793	2.2	-5	-10	262	18	72		
DS-88-191	74-77	28	902	258	-0.5	-5	-10	61	34	18		
DS-88-192	77-80.5	12	251	109	-0.5	-5	-10	35	13	7		
DS-88-193	92.5-96	22	136	97	0.5	-5	-10	33	34	120		
DS-88-194	96-100	31	137	123	0.6	-5	-10	51	39	201		
DS-88-195	100-106	17	78	95	-0.5	-5	-10	42	26	135		
DS-88-196	104-108	22	50	88	-0.5	-5	-10	41	21	86		
DS-88-197	108-111	21	58	68	0.6	-5	-10	58	20	88		
DS-88-198	111-113	10	168	96	-0.5	-5	-10	38	23	13		
DS-88-199	129.6-132	6	176	35	-0.5	-5	-10	121	18	7		
DS-88-200	132-134	2	281	31	-0.5	-5	-10	138	61	8		
DS-88-201	144.5-140	10	138	96	-0.5	-5	-10	33	10	7		
DS-88-202	148-150	12	58	20	-0.5	-5	-10	20	30	8		
DS-88-203	157-162	7	71	7	-0.5	-5	-10	32	20	5		
DS-88-204	162-164	14	109	-5	-0.5	-5	-10	78	18	5		
DS-88-205	172.8-175.5	30	75	-5	-0.5	-5	-10	35	48	6		
DS-88-206	199.8-201	15	662	1671	1.8	6	-10	486	102	104		
DS-88-207	201-204	5	171	28	-0.5	5	-10	51	288	6		
DS-88-208	204-209	9	210	144	-0.5	6	-10	35	36	14		
DS-88-209	210-212.3	5	205	56	-0.5	-5	-10	30	18	5		
DS-88-210	212.3-216	6	240	174	-0.5	-5	-10	37	69	11		
DS-88-211	225-227	2	121	8	-0.5	-5	-10	37	24	-5		
DS-88-212	227-228	3	94	-5	-0.5	-5	-10	31	92	-5		
DS-88-213	228-230	19	712	312	1.3	-5	-10	347	84	34		
DS-88-214	230-231	33	1545	60	2.5	-5	-10	880	117	12		
DS-88-215	261-262	17	222	15	1.2	-5	-10	163	24	14		
DS-88-216	262-263.5	31	2596	1884	4	-5	-10	1857	54	251		
DS-88-217	263.5-265.8	6	56	-5	-0.5	-5	-10	30	24	11		
DS-88-218	265.8-267.5	8	205	10	-0.5	-5	-10	40	914	5		
DS-88-219	267.5-268.7	7	400	-5	-0.5	-5	-10	33	1429	-5		
DS-88-220	268.7-273	5	59	-5	-0.5	-5	-10	35	18	-5		
DS-88-221	273-275	34	74	12	0.7	6	-10	88	21	-5		
DS-88-222	275-277.2	77	62	-5	-0.5	-5	-10	48	15	-5		
DS-88-223	277.2-280	65	59	9	0.5	-5	-10	41	21	-5		
DS-88-224	280-285	2	65	-5	-0.5	10	13	34	15	5		
DS-88-225	285-289	2	79	14	-0.5	14	-10	39	21	-5		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Hbr Prom	Hbr Prom
06-88-270	53.5-55.5	9	59	-5	-0.5	-5	-10	33	68	-5		
06-88-271	72-74	5	92	-5	-0.5	-5	-10	13	14	-5		
06-88-273	76-78	4	72	-5	-0.5	-5	-10	9	10	-5		
06-88-274	78-81	3	27	-5	-0.5	-5	-10	14	14	-5		
06-88-275	81-84	4	46	-5	-0.5	-5	-10	14	10	-5		
06-88-276	84-87	3	24	-5	-0.5	-5	-10	15	10	-5		
06-88-277	87-90	4	30	-5	-0.5	-5	-10	22	17	5		
06-88-278	90-93	4	50	-5	-0.5	-5	-10	25	14	-5		
06-88-279	93-96	9	69	-5	-0.5	-5	-10	186	14	10		
06-88-280	96-99	12	98	65	-0.5	-5	-10	48	14	16		
06-88-281	99-102	12	43	13	-0.5	-5	-10	41	17	9		
06-88-282	102-105	7	47	-5	-0.5	-5	-10	30	17	-5		
06-88-283	105-108	4	25	-5	-0.5	-5	-10	50	10	6		
06-88-284	110-113	25	113	-5	-0.5	-5	-10	74	14	6		
06-88-285	113-116	28	150	-5	-0.5	-5	-10	91	11	8		
06-88-286	116-119	33	62	-5	-0.5	-5	-10	75	8	10		
06-88-287	119-122	30	156	-5	0.7	-5	-10	114	17	10		
06-88-288	112-125	207	887	42	2.1	-5	-10	342	24	92		
06-88-289	125-128	101	582	101	2	-5	-10	257	21	110		
06-88-290	128-134	29	212	-5	0.5	-5	-10	105	8	23		
06-88-291	131-134	15	70	-5	-0.5	-5	-10	47	7	5		
06-88-292	134-137	18	65	-5	-0.5	-5	-10	41	7	-5		
06-88-293	137-140	29	224	-5	-0.5	-5	-10	92	10	5		
06-88-294	156-159	42	200	-5	1	-5	-10	127	17	30		
06-88-295	160-161	25	138	-5	-0.5	-5	-10	79	11	10		
06-88-296	161-162.5	57	52	-5	-0.5	-5	-10	52	17	5		
06-88-298	47-51	14	54	-5	-0.5	-5	-10	44	14	-5		
07-88-299	49-51	39	497	891	1.3	-5	-10	507	27	48		
07-88-300	52-54	18	78	107	-0.5	-5	-10	46	20	6		
07-88-301	54-55.8	14	165	56	-0.5	-5	-10	88	160	7		
07-88-302	57-60	11	34	-5	-0.5	-5	-10	26	104	-5		
07-88-303	60-63	17	103	-5	-0.5	-5	-10	57	31	12		
07-88-304	63-66	17	214	23	-0.5	-5	-10	52	17	-5		
07-88-305	66-69	6	67	20	-0.5	-5	-10	27	11	5		
07-88-306	69-72	7	81	21	-0.5	-5	-10	72	10	8		
07-88-307	72-75	10	48	-5	-0.5	-5	-10	39	11	-5		
07-88-308	75-77	6	64	33	-0.5	-5	-10	36	10	5		
07-88-309	77-80	8	94	20	-0.5	-5	-10	26	14	-5		
07-88-310	80-83	15	268	217	1.1	-5	-10	196	31	17		
07-88-311	83-86	11	516	578	1.1	-5	-10	398	34	52		
07-88-312	86-89	16	365	356	1.5	-5	-10	407	31	48		
07-88-313	89-93	8	204	94	0.5	-5	-10	64	18	8		
07-88-314	93-95.5	13	206	40	-0.5	-5	-10	52	18	8		
07-88-315	95.5-99	9	199	84	-0.5	-5	-10	47	18	8		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prev	Au Prev
07-08-316	99-102	11	118	51	-0.5	-5	-10	80	21	5		
07-08-317	102-105	5	54	21	-0.5	-5	-10	41	15	9		
07-08-318	105-108	6	79	-5	-0.5	-5	-10	25	24	5		
07-08-319	108-111	4	119	20	-0.5	-5	-10	34	20	-5		
07-08-320	111-114	6	64	-5	-0.5	-5	-10	22	27	-5		
07-08-321	114-117	5	65	-5	-0.5	-5	-10	24	44	-5		
07-08-322	117-120	7	70	-5	-0.5	-5	-10	65	51	-5		
07-08-323	120-123	8	92	-5	-0.5	-5	-10	49	78	-5		
07-08-324	123-126	6	112	10	-0.5	-5	-10	28	58	-5		
07-08-325	126-129	192	319	50	-0.5	-5	-10	53	51	-5		
07-08-326	129-132	136	196	25	-0.5	-5	-10	34	34	-5		
07-08-327	132-135	76	260	32	-0.5	-5	-10	37	286	9		
07-08-328	135-138.5	24	255	30	-0.5	-5	-10	104	109	10		
07-08-329	138.5-139.5	65	62	-5	-0.5	6	-10	36	71	45		
07-08-330	139.5-144	22	506	7	-0.5	-5	-10	28	37	-5		
07-08-331	144-149	67	272	105	-0.5	7	-10	34	112	5		
07-08-332	149-153	7	80	37	-0.5	-5	-10	66	24	8		
07-08-333	153-157.5	6	30	34	-0.5	-5	-10	47	33	-5		
07-08-334	157.5-160	31	270	45	1.9	-5	-10	295	24	14		
07-08-335	160-162.5	33	129	53	1	-5	-10	134	141	87		
07-08-336	162.5-167	45	508	134	2.4	-5	-10	537	63	92		
07-08-337	167-170	79	114	51	0.9	-5	-10	121	45	10		
07-08-338	170-173.4	58	270	170	0.9	15	-10	178	48	16		
07-08-339	173.4-174.6	5120	4612	2000	96	165	10	1813	177	1172		
07-08-340	174.6-177	81	285	1633	4.2	-5	-10	987	30	130		
07-08-341	177-180.6	35	43	66	-0.5	-5	-10	82	39	12		
07-08-342	180.6-186	5	29	13	-0.5	-5	-10	32	45	-5		
07-08-343	186-190	1	28	12	-0.5	-5	-10	27	15	-5		
07-08-344	190-194.3	8	99	28	-0.5	-5	-10	50	51	9		
07-08-345	194.3-197	9	82	-5	-0.5	-5	-10	44	39	-5		
07-08-346	230.6-232.25	2	33	-5	-0.5	-5	-10	29	12	-5		
07-08-347	237-240	7	51	-5	-0.5	-5	-10	51	249	-5		
07-08-348	240-241	193	2108	235	6.4	-5	-10	1017	54	96		
07-08-349	241-242	186	20000	1064	21	-5	-10	3620	216	1184		
07-08-350	242-243.5	92	4827	120	5	-5	-10	986	102	74		
07-08-351	243.5-246	17	631	27	2.3	-5	-10	318	219	27		
07-08-352	246-247	42	1862	645	4.3	-5	-10	840	261	316		
07-08-353	247-252.7	3	93	26	-0.5	-5	-10	38	225	29		
07-08-354	252.7-257.3	4	80	14	-0.5	-5	-10	69	18	40		
07-08-355	257.3-261.9	3	43	-5	-0.5	-5	-10	19	18	-5		
07-08-356	261.9-265.1	8	181	34	-0.5	-5	-10	69	168	9		
07-08-357	265.1-267	204	1943	646	9	-5	-10	1755	57	1545		
07-08-358	267-270	31	415	84	1.3	-5	-10	220	78	47		
07-08-359	270-274.6	119	933	267	7.8	-5	-10	546	30	148		
07-08-360	274.6-278	13	61	-5	-0.5	-5	-10	48	12	8		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prev	Au Prev
D7-88-361	278-279.4	17	60	7	-0.5	-5	-10	73	28	-5		
D7-88-362	299-300	29	47	-5	-0.5	-5	-10	42	25	-5		
D7-88-363	300-302	10	173	164	1.2	-5	-10	328	46	24		
D7-88-364	302-304	61	453	505	3.4	-5	-10	527	28	61		
D7-88-365	304-305	40	89	132	2.7	-5	-10	270	28	31		
D7-88-366	306.75-309	7	63	16	-0.5	-5	-10	54	42	10		
D7-88-367	309-311	3	33	-5	-0.5	-5	-10	60	53	13		
D7-88-368	311-314.7	5	43	-5	-0.5	-5	-10	43	14	-5		
D7-88-369	330.5-332.5	23	139	7	-0.5	-5	-10	241	35	14		
D7-88-370	334.2-337	12	99	-5	-0.5	-5	-10	58	63	12		
D7-88-371	337-340.8	7	62	-5	-0.5	-5	-10	34	95	-5		
D7-88-372	348-351	21	68	-5	-0.5	-5	-10	58	56	-5		
D7-88-373	353.5-355.5	11	38	-5	-0.5	-5	-10	36	25	-5		
D7-88-374	364-366	11	40	-5	-0.5	-5	-10	64	31	7		
D7-88-375	367-371	63	58	18	-0.5	-5	-10	36	146	8		
D7-88-376	371-374	61	58	147	0.5	-5	-10	146	48	91		
D7-88-377	386-388	38	3083	148	3.2	-5	-10	491	101	14		
D7-88-378	391-394	16	132	100	-0.5	-5	-10	119	91	22		
D7-88-379	394-397	9	91	10	-0.5	-5	-10	87	78	12		
D7-88-380	400-403	3	37	-5	-0.5	-5	-10	47	20	-5		
D7-88-381	403-405	9	35	-5	-0.5	-5	-10	44	213	-5		
D7-88-382	405-406.5	2950	269	213	18.7	-5	-10	720	134	250		
D7-88-383	406.5-409	66	210	-5	0.8	-5	-10	121	31	11		
D7-88-384	409-410	162	156	1444	16	-5	-10	910	154	1484		
D7-88-385	410-411	442	149	1258	5.8	-5	-10	256	80	391		
D7-88-386	411-413	176	152	155	1.8	-5	-10	126	28	35		
D7-88-387	413-416	54	625	51	1.8	-5	-10	244	28	16		
D7-88-388	429-432	3	39	-5	-0.5	-5	-10	40	10	-5		
D7-88-389	440.6-445.6	80	45	18	-0.5	-5	-10	35	48	9		
D7-88-390	445.6-447	38	179	-5	-0.5	-5	-10	118	45	7		
D7-88-391	447-449	32	57	20	-0.5	-5	-10	38	8	5		
D7-88-392	449-451	41	880	39	1.2	-5	-10	390	70	103		
D7-88-393	451-453	117	91	132	0.9	-5	-10	87	78	36		
D7-88-394	453-455	17	43	-5	-0.5	-5	-10	60	24	12		
D7-88-395	455-458	7	37	-5	-0.5	-5	-10	44	20	-5		
D7-88-396	458-461	18	62	30	-0.5	-5	-10	72	31	136		
D7-88-397	461-464	7	46	-5	-0.5	-5	-10	54	50	8		
D7-88-398	464-469	5	32	-5	-0.5	-5	-10	38	39	-5		
D7-88-399	469-476	3	36	-5	-0.5	-5	-10	40	22	5		
D7-88-400	476-478	7	38	-5	-0.5	-5	-10	48	70	5		
D7-88-401	478-481	8	33	-5	-0.5	-5	-10	50	20	5		
D7-88-402	481-485	12	33	-5	-0.5	-5	-10	52	14	9		
D7-88-403	485-488	17	48	-5	-0.5	-5	-10	50	14	-5		
D7-88-404	488-492	18	45	6	-0.5	-5	-10	93	23	6		
D7-88-405	492-495	76	75	-5	-0.5	-5	-10	60	20	22		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Rerun	Au Rerun
07-08-406	495-498	24	98	-5	-0.5	-5	-10	30	34	7		
07-08-407	498-501	9	64	17	-0.5	-5	-10	31	14	5		
07-08-408	501-504	29	264	22	-0.5	-5	-10	36	64	10		
07-08-409	510-513	14	45	23	-0.5	-5	-10	36	21	9		
07-08-410	513-514.5	42	42	18	-0.5	-5	-10	32	21	16		
07-08-411	514.5-515.5	71	48	358	1.4	-5	-10	44	32	39		
08-08-492	21.4-23.6	338	1526	820	3.1	12	-10	2290	31	36		
08-08-493	37.6-39	49	1598	220	0.5	15	-10	250	1140	5		
08-08-494	41.5-43.5	45	939	140	-0.5	-5	-10	196	31	-5		
08-08-495	44-47	32	613	71	-0.5	-5	-10	103	68	-5		
08-08-496	47-50	53	651	190	0.6	-5	-10	82	49	-5		
08-08-497	50-53	29	972	340	-0.5	-5	-10	84	55	-5		
08-08-498	53-56	38	1015	309	-0.5	-5	-10	103	109	-5		
08-08-499	60-63	24	426	330	0.7	-5	12	141	80	22		
08-08-500	64.7-67.2	129	692	549	2.7	-5	-10	224	47	59		
08-08-501	67.2-69.6	65	427	1179	2.9	-5	-10	814	42	490		
08-08-502	69.6-72.8	201	277	360	7.8	-5	-10	441	44	65		
08-08-503	72.8-74.6	209	754	1069	8.1	-5	-10	1191	47	109		
08-08-504	74.6-77.0	27	869	154	0.8	-5	-10	217	141	12		
08-08-505	77.0-80.1	17	216	30	0.5	-5	-10	74	10	-5		
08-08-506	80.1-83.6	296	583	433	1.2	-5	-10	301	23	27		
08-08-507	83.6-87.5	122	254	496	5.4	-5	-10	658	39	97		
08-08-508	87.5-90	92	624	31	0.6	-5	-10	63	13	5		
08-08-509	90-92.3	366	217	49	0.6	-5	-10	63	10	29		
08-08-510	92.3-96	138	119	35	-0.5	-5	-10	69	12	13		
08-08-511	96-99	130	192	56	1.1	-5	-10	36	20	9		
08-08-512	99-102	21	197	54	-0.5	-5	-10	35	8	-5		
08-08-513	102-105	52	68	20	-0.5	-5	-10	21	21	-5		
08-08-514	105-108	20	41	-5	-0.5	-5	-10	25	24	-5		
08-08-515	109-111	24	111	-5	-0.5	-5	-10	30	30	-5		
08-08-516	11-115	12	113	27	-0.5	-5	-10	34	21	-5		
08-08-517	115-119	27	57	7	-0.5	-5	-10	21	15	-5		
08-08-518	119-122	112	24	-5	0.5	-5	-10	23	18	16		
08-08-519	122-125	11	36	-5	0.6	-5	-10	32	18	-5		
08-08-520	125-129	4	42	19	-0.5	-5	-10	37	9	-5		
08-08-521	129-134	10	41	-5	-0.5	11	-10	40	21	-5		
08-08-522	134-137	20	25	-5	-0.5	9	-10	20	15	-5		
08-08-523	137-141	158	44	-5	-0.5	26	-10	30	21	11		
08-08-524	141-144	114	55	-5	-0.5	-5	-10	35	12	-5		
08-08-525	144-148	61	194	-5	0.6	10	-10	247	24	-5		
08-08-526	149.5-154	63	49	39	-0.5	-5	-10	38	30	5		
08-08-527	154-158	46	31	13	-0.5	5	-10	24	18	5		
08-08-528	158-162	26	58	-5	0.6	15	-10	64	39	26		
08-08-529	168.8-173	55	514	93	1.6	5	-10	389	15	22		
08-08-530	173-177	47	168	100	0.9	-5	-10	220	10	14		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Upr Meas	Shr Meas
DDH-88-531	177-181	67	51	-5	0.5	-5	-10	36	13	11		
DDH-88-532	181-185	62	44	-5	-0.5	-5	-10	156	16	11		
DDH-88-533	185-189	80	43	-5	0.6	-5	-10	30	13	9		
DDH-88-534	189-193	37	38	-5	-0.5	-5	-10	25	10	-5		
DDH-88-535	196.7-201	19	76	-5	-0.5	-5	-10	31	135	-5		
DDH-88-536	201-205	21	32	-5	-0.5	-5	-10	23	13	6		
DDH-88-537	205-215.1	23	86	126	-0.5	-5	-10	60	17	18		
DDH-88-538	215.1-218.5	27	247	-5	1.1	-5	-10	200	18	12		
DDH-88-539	218.5-219.5	83	1195	2000	8.4	8	-10	2049	20	517		
DDH-88-540	219.5-224.9	54	1049	85	4.4	-5	11	1159	26	33		
DDH-88-541	224.9-226.9	414	10400	2000	14.5	363	12	8480	140	1188	[illegible]	[illegible]
DDH-88-542	226.9-229	14	1314	2000	2.1	-5	-10	1360	26	255	[illegible]	[illegible]
DDH-88-543	229-231	188	6040	2000	5.2	63	-10	4170	96	[illegible]	[illegible]	[illegible]
DDH-88-544	231-233	63	2567	2000	3.7	42	10	3020	81	[illegible]		
DDH-88-545	233-237	17	811	168	0.7	-5	-10	275	73	[illegible]		
DDH-88-546	237-241	5	51	-5	-0.5	-5	-10	55	75	5		
DDH-88-547	241-246.8	2	59	-5	0.5	-5	-10	42	72	-5		
DDH-88-548	246.8-249.5	5	63	-5	-0.5	-5	-10	54	10	5		
DDH-88-549	249.5-254.6	50	91	34	0.5	15	-10	72	13	28		
DDH-88-550	245.6-257.5	24	72	-5	-0.5	15	-10	51	7	-5		
DDH-88-551	264.6-266	33	2683	725	1.4	-5	-10	330	23	96		
DDH-88-552	269.5-272.6	3	50	-5	-0.5	-5	-10	32	10	13		
DDH-88-553	277.6-280.0	10	84	40	0.7	10	-10	113	5	18		
DDH-88-554	280-283.6	15	180	-5	0.6	-5	-10	201	8	16		
DDH-88-555	283.6-286	86	2948	1020	2.4	-5	-10	939	34	720		
DDH-88-556	286-290	17	59	5	0.6	-5	-10	67	10	30		
DDH-88-557	290-293.4	18	51	-5	0.5	-5	-10	53	9	27		
DDH-88-558	293.4-297	9	72	-5	0.7	-5	-10	142	51	8		
DDH-88-559	297-301	6	66	-5	1.3	-5	15	562	29	-5		
DDH-88-560	301-305	6	49	-5	-0.5	-5	-10	55	68	-5		
DDH-88-561	305-309	4	57	-5	0.5	-5	-10	57	10	13		
DDH-88-562	316-319	9	57	-5	0.6	-5	-10	88	7	6		
DDH-88-563	326.1-329.5	8	51	-5	0.5	-5	-10	74	8	57		
DDH-88-564	336-339	10	53	-5	-0.5	5	11	66	9	5		
DDH-88-565	347-350	10	80	-5	-0.5	-5	-10	83	17	32		
DDH-88-412	32-37	15	204	98	-0.5	-5	-10	133	27	12		
DDH-88-413	91-96	7	59	8	-0.5	-5	-10	85	18	-5		
DDH-88-414	96-99	9	342	209	1.5	-5	-10	235	35	57		
DDH-88-415	99-100.3	8	651	286	1.1	-5	-10	276	21	[illegible]		
DDH-88-416	100.3-102	21	2351	271	11.1	-5	-10	1561	137	[illegible]		
DDH-88-417	102-104.3	9	337	716	1.3	-5	-10	421	67	[illegible]		
DDH-88-418	110-112	5	72	-5	-0.5	-5	-10	81	14	7		
DDH-88-419	123.7-125	2	58	-5	-0.5	-5	-10	40	14	10		
DDH-88-420	125-127	4	99	-5	-0.5	-5	-10	73	14	18		
DDH-88-421	144-146	6	105	7	-0.5	-5	-10	90	39	36		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Hor Row	Hor Row
09-88-422	146-148	10	40	10	-0.5	-5	-10	52	28	17		
09-88-423	148-149	70	731	248	3.5	-5	-10	660	25	121		
09-88-424	149-150	158	926	739	7.1	-5	-10	645	39	101		
09-88-425	150-151	111	1752	2000	12.7	-5	-10	997	28	1200		
09-88-426	151-152	64	249	1456	11.9	-5	-10	435	21	2200		
09-88-427	152-153	39	84	57	0.9	-5	-10	65	14	189		
09-88-428	172-174	9	288	82	0.9	-5	-10	280	35	175		
09-88-429	174-176	15	110	139	-0.5	-5	-10	117	79	24		
09-88-430	176-178	18	130	83	-0.5	-5	-10	177	52	14		
09-88-431	178-185	10	38	-5	-0.5	-5	-10	36	32	-5		
09-88-432	185-190	8	57	5	-0.5	-5	-10	43	52	33		
09-88-433	190-191.7	3	19	19	-0.5	-5	-10	29	41	-5		
09-88-434	196.8-200	2	26	5	-0.5	-5	-10	22	38	-5		
09-88-435	201-202	49	2910	47	2	-5	-10	305	104	16		
09-88-436	202-206	25	58	94	1.2	-5	-10	197	46	26		
09-88-437	206-209	5	47	-5	-0.5	-5	-10	37	67	6		
09-88-438	209-211	4	27	12	-0.5	-5	-10	21	35	9		
09-88-439	211-214	8	40	34	-0.5	-5	-10	29	29	6		
09-88-440	218-220	71	179	56	1	-5	-10	137	32	19		
09-88-441	240.3-245.3	28	37	9	-0.5	-5	-10	32	32	-5		
09-88-442	247-249	20	48	6	-0.5	-5	-10	37	29	31		
09-88-443	258.3-260	22	80	9	-0.5	-5	-10	26	35	7		
09-88-444	260-262	25	30	10	-0.5	-5	-10	30	45	-5		
09-88-445	262-264	29	594	13	-0.5	-5	-10	50	49	86		
09-88-446	264-267	160	448	28	1.8	-5	-10	75	56	61		
09-88-447	267-270	135	100	-5	-0.5	-5	-10	40	61	12		
09-88-448	270-274	57	44	-5	-0.5	-5	-10	25	70	13		
09-88-449	274-277.8	113	45	-5	-0.5	-5	-10	26	110	13		
09-88-450	277.8-279	157	639	952	5.9	-5	-10	617	128	122		
09-88-451	279-280	98	407	419	2.7	-5	-10	329	99	92		
09-88-452	280-281	268	248	1968	26	28	-10	547	44	1342		
09-88-453	281-282	2640	476	1919	67	393	-10	1026	113	585		
09-88-454	282-283	1500	313	1612	41	55	-10	829	78	2085		
09-88-455	283-284	1200	595	2000	56	63	-10	849	93	1290		
09-88-456	284-285	2980	546	1415	30	97	-10	1040	87	1065		
09-88-457	285-287	197	44	166	3.8	-5	-10	89	36	339		
09-88-458	287-289	303	109	249	7.4	-5	-10	152	60	1236		
09-88-459	289-291	20	420	30	-0.5	-5	-10	109	45	86		
09-88-460	291-294	85	3380	49	1.4	-5	-10	200	57	79		
09-88-461	294-296	170	275	251	3.6	-5	-10	174	64	527		
09-88-462	296-298	31	200	232	0.9	-5	-10	105	48	132		
09-88-463	298-303	9	65	-5	-0.5	-5	-10	25	19	12		
09-88-464	303-305	13	60	35	-0.5	-5	-10	31	14	23		
09-88-465	305-308	15	297	109	1.1	-5	-10	127	34	58		
09-88-466	308-310	25	90	76	0.5	-5	-10	70	18	71		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Rpw	Au Rpw
D9-88-467	310-313	5	43	22	-0.5	-5	-10	25	11	13		
D9-88-468	313-317	29	48	9	-0.5	-5	-10	30	18	25		
D9-88-469	317-322	38	42	10	-0.5	-5	-10	30	15	16		
D9-88-470	322-327	20	64	28	-0.5	-5	-10	48	25	5		
D9-88-471	327-332	17	52	-5	-0.5	-5	-10	46	11	15		
D9-88-472	332-337	209	365	1501	1.9	11	-10	703	61	[illegible]		
D9-88-473	337-342	7	45	8	-0.5	10	-10	46	31	23		
D9-88-474	342-347	39	44	23	-0.5	-5	-10	51	44	30		
D9-88-475	347-352	15	33	-5	-0.5	-5	-10	29	20	8		
D9-88-476	352-357	5	35	-5	-0.5	-5	11	40	17	5		
D9-88-477	362-365	20	46	29	-0.5	-5	12	37	10	11		
D9-88-478	365-368.3	20	48	-5	-0.5	-5	-10	21	11	10		
D9-88-479	374-377	4	29	-5	-0.5	-5	-10	21	27	-5		
D9-88-480	377-379.5	6	38	-5	-0.5	-5	12	19	24	-5		
D9-88-481	389-391	137	64	210	1.1	-5	-10	106	85	903		
D9-88-482	391-395	7	38	26	-0.5	-5	10	30	44	91		
D9-88-483	395-400	13	45	15	-0.5	-5	-10	31	116	18		
D9-88-484	400-405	8	46	-5	-0.5	-5	-10	32	71	-5		
D9-88-485	405-410	5	45	5	-0.5	-5	-10	35	34	5		
D9-88-486	410-412	7	39	7	-0.5	-5	-10	43	43	6		
D9-88-487	412-415	13	62	23	-0.5	-5	-10	322	82	7		
D9-88-488	415-420	28	43	22	-0.5	-5	-10	45	231	-5		
D9-88-489	420-424	58	76	-5	-0.5	-5	-10	165	71	5		
D9-88-490	424-427	68	53	-5	-0.5	-5	-10	42	71	5		
D9-88-491	427-430	38	48	-5	-0.5	-5	-10	89	34	-5		
D10-88-631	59.7-62	26	621	732	0.7	-5	-10	196	20	26		
D10-88-632	62-64	15	120	1383	4.4	-5	-10	845	20	486		
D10-88-633	64-66	30	424	395	1.3	-5	-10	390	14	97		
D10-88-634	66-68	55	336	427	1.2	-5	-10	271	20	50		
D10-88-635	68-70	21	192	63	-0.5	-5	-10	104	10	18		
D10-88-636	151-153	7	60	30	-0.5	-5	-10	111	19	34		
D10-88-637	156-161	48	1543	294	4	-5	-10	929	61	124		
D10-88-638	165-171	158	415	489	2.9	-5	-10	276	53	69		
D10-88-639	171-176	51	137	56	-0.5	-5	-10	68	95	9		
D10-88-640	176-180	10	53	15	-0.5	-5	-10	29	19	-5		
D10-88-641	180-184	22	67	21	-0.5	-5	-10	49	21	16		
D10-88-642	190-192	65	30	14	-0.5	-5	-10	22	19	10		
D10-88-643	192-196	30	35	-5	-0.5	-5	-10	25	23	12		
D10-88-644	201-204	99	536	-5	1.7	-5	-10	562	38	13		
D10-88-645	204-206	69	82	-5	0.5	-5	-10	35	27	19		
D10-88-646	206-210	41	87	20	0.6	-5	-10	50	34	12		
D10-88-647	210-214	39	169	19	-0.5	-5	-10	89	38	7		
D10-88-648	214-218	14	41	99	0.9	-5	-10	77	53	64		
D10-88-649	218-222	25	72	-5	-0.5	-5	-10	36	27	5		
D10-88-650	222-226	57	59	-5	-0.5	-5	-10	34	53	9		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Ubr Prep	Ubr Prep
D10-88-651	229.6-231.9	8	35	-5	-0.5	-5	-10	21	42	[illegible]		
D10-88-652	231.9-233	8	47	-5	-0.5	-5	-10	34	34	[illegible]		
D10-88-653	233-237	37	110	-5	-0.5	-5	-10	33	34	5		
D10-88-654	237-240	159	348	-5	0.5	-5	-10	51	38	40		
D10-88-655	240-243	57	51	-5	-0.5	-5	-10	37	23	11		
D10-88-656	243-245	54	41	-5	-0.5	-5	-10	28	27	9		
D10-88-657	245-249	81	36	-5	-0.5	-5	-10	22	23	13		
D10-88-658	249-253	12	35	-5	-0.5	-5	-10	24	88	-5		
D10-88-659	253-255	12	94	-5	-0.5	-5	-10	77	46	5		
D10-88-660	255-258	176	73	17	0.7	-5	-10	121	49	36		
D10-88-661	267-270	13	39	-5	-0.5	-5	-10	25	27	-5		
D10-88-662	270-274	14	37	-5	-0.5	-5	-10	17	30	-5		
D10-88-663	274-276	75	344	25	1.1	-5	-10	259	53	45		
D10-88-664	276-278	46	58	-5	-0.5	-5	-10	47	30	14		
D10-88-665	278-281	17	34	-5	-0.5	-5	-10	27	30	-5		
D10-88-666	285-288	20	34	-5	-0.5	-5	-10	27	23	11		
D10-88-667	288-291	42	26	-5	-0.5	-5	-10	34	129	-5		
D10-88-668	298-300	103	44	-5	-0.5	-5	-10	28	23	17		
D10-88-669	300-303	119	37	-5	-0.5	-5	-10	29	30	13		
D10-88-670	303-308	150	38	17	-0.5	-5	-10	24	19	27		
D10-88-671	308-312	142	37	-5	-0.5	-5	-10	25	11	21		
D10-88-672	317-322	22	51	-5	-0.5	-5	14	27	11	-5		
D10-88-673	322-324	56	224	48	0.6	-5	-10	100	23	17		
D10-88-674	324-325	48	2120	651	3.9	-5	11	1342	76	131		
D10-88-675	325-328	30	133	-5	-0.5	-5	-10	67	42	34		
D10-88-676	328-331	76	245	30	-0.5	-5	-10	47	48	[illegible]		
D10-88-677	331-333	79	583	13	1	-5	-10	279	36	[illegible]		
D10-88-678	333-335	308	20000	2000	27.8	-5	-10	3020	324	[illegible]	[illegible]	[illegible]
D10-88-679	335-336	172	1846	215	-0.5	-5	-10	631	76	[illegible]		
D10-88-680	336-339	169	225	-5	-0.5	-5	-10	45	28	34		
D10-88-681	339-341	151	93	-5	-0.5	-5	-10	65	24	[illegible]		
D10-88-682	341-345	132	86	-5	-0.5	-5	-10	40	24	11		
D10-88-683	345-347	39	132	-5	-0.5	-5	-10	37	34	9		
D10-88-684	347-350	42	256	-5	0.7	-5	-10	109	34	[illegible]		
D10-88-685	350-352	59	1473	49	1	-5	-10	138	88	[illegible]		
D10-88-686	352-354	39	137	19	0.5	-5	-10	74	48	21		
D10-88-687	354-356.4	151	158	902	2.7	-5	-10	176	76	95		
D10-88-688	356.4-359	33	37	-5	-0.5	-5	-10	42	60	11		
D10-88-689	359-362	5	43	-5	-0.5	-5	-10	32	24	5		
D10-88-690	362-366	200	44	-5	0.6	-5	-10	44	36	5		
D10-88-691	366-368	80	56	27	1.9	-5	-10	96	56	38		
D10-88-692	368-370	27	49	-5	-0.5	-5	-10	40	62	8		
D10-88-693	370-373	32	47	-5	-0.5	-5	-10	41	48	7		
D10-88-694	373-376	23	34	90	-0.5	-5	-10	43	64	9		
D10-88-695	376-378.3	32	145	-5	-0.5	-5	-10	43	40	7		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Pass	Au Pass
D10-88-696	378.3-383	61	60	-5	-0.5	-5	-10	35	28	5		
D10-88-697	383-386.7	64	47	-5	-0.5	-5	-10	27	32	-5		
D10-88-698	386.7-390	20	36	-5	-0.5	-5	-10	29	20	-5		
D10-88-699	390-392	13	36	-5	-0.5	-5	-10	29	20	-5		
D10-88-700	394.3-397	17	33	-5	-0.5	-5	-10	33	20	-5		
D10-88-701	398-401	51	42	-5	-0.5	-5	-10	25	20	-5		
D10-88-702	431-436	28	43	-5	-0.5	-5	-10	30	20	-5		
D10-88-703	463.5-465	28	52	-5	-0.5	-5	-10	31	52	-5		
D10-88-704	465-468	27	48	-5	-0.5	-5	-10	30	56	-5		
D10-88-705	468-472	21	48	-5	-0.5	-5	-10	32	40	-5		
D10-88-706	473-475.3	16	47	-5	-0.5	-5	-10	28	52	-5		
D10-88-707	475.3-477.5	76	30	-5	-0.5	-5	-10	23	44	-5		
D10-88-708	477.5-480	56	46	-5	-0.5	-5	-10	35	26	-5		
D10-88-709	503-505	56	44	6	-0.5	-5	-10	34	17	-5		
D10-88-710	510.6-515	29	46	-5	-0.5	-5	-10	26	20	-5		
D10-88-711	515-520	8	58	-5	-0.5	-5	-10	27	12	-5		
D10-88-712	520-523.5	6	57	-5	-0.5	-5	-10	24	12	-5		
D10-88-713	523.5-524.5	13	71	-5	-0.5	15	-10	27	16	[illegible]		
D10-88-714	524.5-525.5	29	90	13	1.2	5	-10	138	26	122		
D10-88-715	525.5-527	29	199	-5	4.8	-5	-10	182	44	1546	[illegible]	11.4
D10-88-716	527-528	3	160	-5	-0.5	-5	-10	64	200	16		
D10-88-717	528-530	2	76	-5	-0.5	9	-10	35	88	-5		
D10-88-718	530-532.5	12	77	-5	-0.5	-5	-10	38	114	7		
D10-88-719	532.5-535	39	52	6	-0.5	-5	-10	68	16	-5		
D10-88-720	537-541	19	36	-5	-0.5	-5	-10	25	16	-5		
D10-88-721	541-544	8	35	-5	-0.5	-5	-10	21	8	-5		
D10-88-722	544-547	24	37	-5	-0.5	-5	-10	27	12	-5		
D10-88-723	547-549	21	96	23	-0.5	-5	-10	83	36	47		
D10-88-724	549-552	5	96	-5	-0.5	-5	-10	59	16	-5		
D10-88-725	552-555	7	104	-5	-0.5	-5	-10	71	12	-5		
D10-88-726	555-558	2	100	-5	-0.5	-5	-10	70	17	-5		
D10-88-727	558-561.6	1	97	-5	-0.5	-5	-10	37	24	-5		
D10-88-728	561.6-563	1	109	-5	-0.5	-5	-10	55	116	10		
D10-88-729	563-566	2	96	-5	-0.5	-5	-10	36	20	6		
D10-88-730	566-567	32	139	71	1.9	-5	-10	167	28	51		
D10-88-731	567-568	7	122	-5	1	-5	-10	129	24	29		
D10-88-732	568-569	7	159	57	1.2	9	-10	175	28	48		
D10-88-733	569-570	9	251	172	1	5	-10	148	22	52		
D10-88-734	570-571	8	277	138	1.5	10	-10	293	20	132		
D10-88-735	571-572.4	23	481	963	4	-5	-10	561	24	222		
D10-88-736	572.4-575	5	53	-5	-0.5	-5	-10	31	24	-5		
D10-88-737	575-580.3	10	59	-5	-0.5	-5	-10	34	20	5		
D10-88-738	580.3-582	15	111	-5	-0.5	5	-10	47	20	5		
D10-88-739	582-586	10	126	-5	-0.5	-5	-10	58	16	-5		
D10-88-740	586-589	15	56	-5	-0.5	-5	-10	32	16	-5		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Prep	Au Prep
D14A-88-569	112-116	69	587	349	2.4	-5	-10	790	24	51		
D14A-88-570	134.5-136	89	161	514	0.9	-5	-10	205	34	37		
D14A-88-571	136-137	276	208	2000	3.5	-5	-10	373	24	115		
D14A-88-572	137-139	94	182	1135	1.2	-5	-10	320	27	132		
D14A-88-573	139-140	6540	20000	2000	49.9	6	19	2510	146	181		
D14A-88-574	140-143.4	147	200	299	1.1	-5	-10	180	14	22		
D14A-88-575	143.5-146	28	100	15	-0.5	-5	-10	71	7	-5		
D14A-88-576	149-152	32	130	17	-0.5	-5	-10	154	7	35		
D14A-88-577	173.2-177	10	103	-5	-0.5	-5	-10	32	34	-5		
D14A-88-578	181-158.2	6	174	120	1.4	-5	-10	720	109	8		
D14A-88-579	190-193	6	49	-5	-0.5	-5	-10	191	51	9		
D14A-88-580	193-195.4	5	76	-5	-0.5	-5	-10	71	92	-5		
D14A-88-581	195.4-197.6	3	61	-5	-0.5	-5	-10	58	10	-5		
D14A-88-582	197.6-199.4	83	2163	1184	5.8	-5	-10	2066	41	352		
D14A-88-583	227-229	7	73	-5	-0.5	-5	-10	73	22	38		
D14A-88-584	229-231	15	59	-5	-0.5	-5	-10	79	10	7		
D14A-88-585	231-232.5	12	104	-5	-0.5	-5	-10	116	10	-5		
D14A-88-586	232.5-234.5	102	4657	61	5.7	-5	-10	4540	51	49		
D14A-88-587	234.5-238	22	198	-5	-0.5	-5	-10	191	14	20		
D14A-88-588	238-240	22	274	44	0.9	-5	-10	372	24	144		
D14A-88-589	254-257	12	147	-5	-0.5	-5	-10	105	37	11		
D14A-88-590	257-261	34	495	292	0.6	-5	-10	361	17	60		
D14A-88-591	266-269	44	72	-5	-0.5	-5	-10	58	72	15		
D14A-88-592	269-271	87	57	-5	-0.5	-5	-10	42	25	21		
D14A-88-593	271-274	36	66	6	-0.5	-5	-10	51	74	12		
D14A-88-594	274-277	9	36	-5	-0.5	-5	-10	47	28	8		
D14A-88-595	277-280	3	48	-5	-0.5	-5	-10	45	56	12		
D14A-88-596	280-284.4	5	47	-5	-0.5	-5	-10	45	39	6		
D14A-88-597	284-289	5	44	-5	-0.5	-5	-10	41	14	5		
D14A-88-598	289-292	26	47	-5	-0.5	-5	-10	55	7	10		
D14A-88-599	292-295.5	8	42	-5	-0.5	-5	-10	43	7	26		
D14A-88-600	295.5-301.7	4	45	16	-0.5	-5	-10	72	11	-5		
D14A-88-601	301.7-305.5	9	34	-5	-0.5	-5	-10	41	14	-5		
D14A-88-602	305.5-307.1	28	35	12	-0.5	-5	-10	81	21	15		
D14A-88-603	307.1-308.2	17	42	-5	-0.5	-5	-10	46	49	10		
D14A-88-604	308.2-312	166	74	315	3.6	-5	-10	250	105	1149	[illegible]	[illegible]
D14A-88-605	312-316	11	78	21	-0.5	-5	-10	87	46	15		
D14A-88-606	316-320	6	69	-5	-0.5	-5	-10	203	14	10		
D14A-88-607	320-323	11	75	-5	-0.5	-5	-10	105	46	6		
D14A-88-608	323-326.4	18	100	-5	2.8	-5	-10	650	16	16		
D14A-88-609	326.4-330	6	48	-5	-0.5	-5	-10	78	8	7		
D14A-88-610	330-334.6	12	58	-5	-0.5	-5	-10	70	20	18		
D14A-88-611	334.5-336.6	97	43	-5	-0.5	5	-10	24	80	26		
D14A-88-612	336.6-337.6	70	71	-5	-0.5	-5	-10	75	36	67		
D14A-88-613	337.6-341.6	50	43	-5	-0.5	-5	-10	27	72	10		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Dup	Au Dup
D14A-88-614	341.6-345.5	13	51	-5	-0.5	-5	-10	42	116	6		
D14A-88-615	345.5-349.5	9	42	-5	-0.5	-5	11	32	48	6		
D14A-88-616	349.5-355	24	43	-5	-0.5	-5	-10	34	28	10		
D14A-88-617	355-360.1	9	41	-5	-0.5	-5	-10	49	16	12		
D14A-88-618	360.1-364	10	50	-5	-0.5	-5	-10	43	92	6		
D14A-88-619	364-366.5	9	44	-5	-0.5	-5	-10	46	50	10		
D14A-88-620	366.5-371	19	45	-5	-0.5	-5	-10	40	44	8		
D14A-88-621	371-374	28	40	-5	-0.5	-5	-10	44	56	12		
D14A-88-622	374-377	24	36	6	-0.5	-5	-10	57	56	22		
D14A-88-623	377-378	169	69	141	1.5	-5	-10	127	56	52		
D14A-88-624	378-379.4	413	307	919	5.6	-5	-10	560	84	78		
D14A-88-625	379.4-383.1	81	122	204	1.9	-5	-10	308	20	29		
D14A-88-626	383.1-387	35	79	-5	-0.5	-5	-10	83	16	11		
D14A-88-627	387-391	7	47	-5	-0.5	-5	-10	49	-5	-5		
D14A-88-628	391-395	19	44	-5	-0.5	-5	-10	47	8	5		
D14A-88-629	395-399	44	47	-5	-0.5	-5	-10	64	12	6		
D14A-88-630	399-404	4	46	-5	-0.5	-5	-10	53	8	-5		
D14-88-566	11-14	52	506	2000	4.1	-5	-10	843	20	4064	7293	2[illegible]
D14-88-567	14-17	58	359	2000	7.1	5	12	1361	34	2544	2663	20[illegible]
D14-88-568	17-20	108	593	517	1.2	-5	-10	122	24	43		
D15-88-741	45-48	7	100	101	-0.5	-5	-10	36	28	-5		
D15-88-742	48-51	7	64	53	-0.5	-5	-10	37	68	9		
D15-88-743	51-54	5	65	122	-0.5	-5	-10	42	42	8		
D15-88-744	54-57.5	3	63	-5	-0.5	-5	-10	37	10	6		
D15-88-745	63.5-65.5	2	54	-5	-0.5	-5	-10	36	6	-5		
D15-88-746	65.5-67.8	3	79	22	-0.5	-5	-10	24	13	-5		
D15-88-747	67.8-70	5	74	-5	-0.5	-5	-10	33	6	6		
D15-88-748	70-74	43	164	18	-0.5	-5	-10	43	6	14		
D15-88-749	74-77	61	136	34	-0.5	-5	-10	53	10	13		
D15-88-750	77-80	43	113	17	-0.5	-5	-10	53	6	8		
D15-88-751	80-83	75	189	48	4.8	-5	-10	337	10	24		
D15-88-752	83-86	55	243	75	0.9	-5	-10	213	15	11		
D15-88-753	86-89	77	175	112	-0.5	-5	-10	156	10	12		
D15-88-754	89-92	228	258	115	2.4	-5	-10	467	6	15		
D15-88-755	92-95	77	238	113	2.9	-5	-10	455	10	17		
D15-88-756	95-98	87	832	359	1.9	-5	-10	449	25	21		
D15-88-757	98-99	31	449	1052	1.2	-5	-10	414	13	36		
D15-88-758	99-100	18	221	779	2.9	-5	-10	716	16	50		
D15-88-759	100-101	9	241	1163	4.2	-5	-10	1255	13	54		
D15-88-760	101-102	13	47	222	3.7	-5	-10	710	35	100		
D15-88-761	102-103	48	237	693	3	-5	-10	999	26	80		
D15-88-762	103-104	90	663	1054	3.9	-5	-10	880	52	245		
D15-88-763	104-105	27	459	1173	3.7	-5	-10	1179	43	110		
D15-88-764	105-106	25	341	2000	2.4	-5	-10	1111	97	731		
D15-88-765	106-107	35	657	2000	3.2	-5	-10	507	35	401		

Sample ID	FOOTAGE	Cu	Zn	As	Ag	Sb	Te	Pb	Hg	Au	Au Rem	Au Rem
D15-88-766	107-108	36	732	2000	1.6	-5	-10	247	26	1		
D15-88-767	108-109	32	343	813	2.4	-5	-10	502	43	201		
D15-88-768	109-110	48	609	861	4.4	-5	-10	344	26	75		
D15-88-769	110-111	86	1592	1051	-0.5	-5	-10	102	62	21		
D15-88-770	111-112	45	1263	384	-0.5	-5	-10	114	46	31		
D15-88-771	112-114	9	322	112	-0.5	-5	-10	86	46	14		
D15-88-772	114-117	13	315	79	-0.5	-5	-10	222	36	30		
D15-88-773	117-119	14	437	118	-0.5	-5	-10	180	36	37		
D15-88-774	119-122	10	386	77	-0.5	-5	-10	52	51	12		
D15-88-775	122-124	26	240	115	-0.5	-5	-10	65	51	8		
D15-88-776	124-125.3	382	297	592	8.1	-5	-10	464	51	329		
D15-88-777	125.3-127.5	57	688	93	1.7	-5	-10	405	38	20		
D15-88-778	127.5-128	289	12420	897	31.2	12	17	7690	246	206		
D15-88-779	128-130	18	530	80	1	-5	19	269	36	15		
D15-88-780	130-131.5	4	167	-5	-0.5	-5	11	62	36	-5		
D15-88-781	131.5-133	26	135	-5	-0.5	-5	-10	160	39	-5		
D15-88-782	133-134	22	180	39	1.1	-5	-10	354	15	18		
D15-88-783	134-135	3	88	-5	-0.5	-5	-10	65	12	5		
D15-88-784	135-137	3	65	-5	-0.5	-5	-10	57	12	5		
D15-88-785	140.2-141	32	747	110	2.6	-5	15	1037	24	24		
D15-88-786	141-143	7	89	-5	-0.5	-5	-10	54	23	8		
D15-88-787	143-144.3	10	477	8	0.7	-5	-10	337	69	7		
D15-88-788	149.8-150	43	99	95	0.9	-5	-10	191	18	41		

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Certificate of Analysis

REPORT: 088-04680.4 | PROJECT: NONE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Zn PCT	As PCT
88-2		756.90	2.16	8.47
D1-88-1		13.71		
D1-88-8				0.70
D1-88-9		13.03		
D1-88-10		21.25		0.24
D1-88-24		23.31		0.47
D1-88-25		12.34		0.26
D1-88-28		39.08		0.48
D1-88-29		16.80		
D1-88-37		21.26		
D2-88-69		14.74		0.25
D2-88-71				0.24
D2-88-92		7.89		
D2-88-93		9.30		
D2-88-113		16.45		0.39
D2-88-146				0.24
D3-88-189				0.31
D4-88-231				0.26
D4-88-261		52.11		

RE-ASSAYS

...mpany Ltd.
...oad
...ario
...49-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-04680.4 | PROJECT: NONE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Zn PCT	As PCT
88-2		756.90	2.16	8.47
D1-88-1		13.71		
D1-88-8				0.70
D1-88-9		13.03		
D1-88-10		21.25		0.24
D1-88-24		23.31		0.47
D1-88-25		12.34		0.26
D1-88-28		39.08		0.48
D1-88-29		16.80		
D1-88-37		21.26		
D2-88-69		14.74		0.25
D2-88-71				0.24
D2-88-92		7.89		
D2-88-93		9.30		
D2-88-113		16.45		0.39
D2-88-146				0.24
D3-88-189				0.31
D4-88-231				0.26
D4-88-261		52.11		

RE-ASSAYS

& Company Ltd.
otek Road
a, Ontario
J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-04631.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Zn PCT	As PCT
D7-88-339		43.80		0.27
D7-88-349		21.94	2.82	
D7-88-382		19.20		
D7-88-384		19.54		
D9-88-416		15.30		
D9-88-425		16.30		0.43
D9-88-426		15.77		
D9-88-452		21.94		
D9-88-453		106.27		
D9-88-454		46.62		
D9-88-455		80.22		0.31
D9-88-456		67.87		

RE-ASSAYS

& Company Ltd.
otek Road
a, Ontario
J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-04631.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Zn PCT	As PCT
D7-88-339		43.80		0.27
D7-88-349		21.94	2.82	
D7-88-382		19.20		
D7-88-384		19.54		
D9-88-416		15.30		
D9-88-425		16.30		0.43
D9-88-426		15.77		
D9-88-452		21.94		
D9-88-453		106.27		
D9-88-454		46.62		
D9-88-455		80.22		0.31
D9-88-456		67.87		

RE-ASSAYS

...y Ltd.

Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-04603.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Zn PCT	As PCT
D8-88-539				0.78
D8-88-541		43.19		1.30
D8-88-542				0.22
D8-88-543				0.46
D8-88-544				0.46
D14-88-566				0.87
D14-88-567				1.30
D14A-88-571				0.22
D14A-88-573		226.25	2.58	0.38

Re-Assays.

legg & Company Ltd.
notek Road
a, Ontario
8X5
3) 749-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-52040.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PCT	As PCT
S88-1 85		47.99		15.91
S88-2 85		22.62		14.64
S88-3 115		189.22		0.88
S88-4 Duplicate				1.44
S88-5 25 wm -		2497.64	61.06	1.76
S88-7 75		2597.05	68.64	2.05
S88-8 25		512.83	13.42	1.22
T11-88-2123		13.71		
T11-88-4748		97.36		0.36
T11-88-4849		342.80		0.46
T11-88-4950		412.05		1.01
T11-88-5051		21.25		0.36
T11-88-5152		11.66		
T11-88-5253				0.24
T11-88-5455				0.25

Re-Assays

.g & Company Ltd.
.ek Road
Ontario
5
/49-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

ORT: G88-05828.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PCT	Zn PCT	As PCT
S88-19			4.20		0.45
S88-20			2.02		0.52
S88-22					0.24
S88-24					0.24
S88-27					0.50
S88-30					0.32
S88-31		203.62	7.14		0.89
D10-678		31.54		2.25	0.59
D15-764					0.33
D15-765					0.31
D15-766					0.25
D15-778		33.59			

Re-Assays

LGCS 1

MYRTLE

LGCS 1

RICCO

LAURA

WEDGE 6

WEDGE 5

COURTLAND

LGCS 3

WEDGE 10

WEDGE 15

WEDGE 6
WEDGE 8

WEDGE 5
WEDGE 7

IDA MAY

MACK

LGCS 3

MSL

WEDGE 10
RAS 1

WEDGE 15
RAS 2

WEDGE 8

WEDGE 7
RAS 3

BIT 1

BIT 5

SUNSET

RAS 1

RAS 2

BIT 3

BIT 4

MSL

RAS 3

BIT 1
BIT 2

HAZEL ANNE

BIT 4

BIT 3

RAS 4

BIT 2
BIT 3

RAS 4

N

KEY

- – – – Claim and Lease Boundaries
- ——— Outer Boundary of Aurchem claims
- ■ Stakes Located by Aurchem
- □ Stakes not yet located by Aurchem

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD.

LEASE AND CLAIM BOUNDARIES 601

NTS. 115 I/3	**REGION** Mnt. Nansen
PROV. YUKON	**DATE** June 3, 1988
DATA BY R. Schneider	**DRAWN BY** R. Schneider & K. Ross

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

N

L24+00N
L22+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L6+00N
L4+07N.
L1+90N.
L0+00
L1+96S.
L4+16S.
L6+50S.
L8+60S.
L10+06S.
L12+72S.
L14+33S.
L16+70S.
L18+67S.
L19+67S.
L20+67S.
L22+51S.
L24+11S.
L27+16S.
L29+16S.
L30+50S.
L31+50S.
L32+85S.
L34+10S.
L35+70S.

KEY

IN-PHASE AND OUT-OF-PHASE CONDUCTOR
IN-PHASE CONDUCTOR ONLY

- VERY STRONG
- STRONG
- MODERATELY STRONG
- INTERMEDIATE
- INTERMEDIATE TO WEAK
- WEAK
- VERY WEAK
- POSSIBLE

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD.

EM-16 ANOMALIES 603

NTS. 115I/3	REGION MNT. NANSEN
PROV. YUKON	DATE NOV. 1987.
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

L24+00N
L22+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L6+00N
L4+07N
L1+90N
L0+00
L4+16S
L6+50S
L8+60S
L10+04S
L12+38S
L14+33S
L16+70S
L18+67S
L20+67S
L24+11S
L29+16S
L31+50S
L32+85S
L34+10S
L35+70S

KEY

CONTOURS

57,100 STATION VALUES
57,200 REPRESENT VALUE
57,300 MINUS 57,000.
57,400
57,500 ALL VALUES
57,600 WERE CORRECTED
57,700 TO 57,800 FOR
57,800 DAILY AND HOURLY
57,900 FLUCUATIONS.
58,000
58,100
58,200
58,300
58,400

(gammas)

- > 59400
- 59200 - 59400
- 59000 - 59200
- 58800 - 59000
- 58600 - 58800
- 57,000 to 57,200
- 57,200 to 57,400
- 57,400 to 57,600
- 57,600 to 57,800
- 57,800 to 58,000
- 58,000 to 58,200
- 58,200 to 58,400
- 58400 to 58600

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD.

MAGNETOMETER DATA 604

NTS. 115 I/3	REGION MNT. NANSEN
PROV. YUKON	DATE NOV. 1987
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT—YUKON

base line

mag. decl'n 33·5 west

L24+00N
L22+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L6+00N
L4+07N
L1+90N
L0+00
L1+96S
L4+16S
L6+50S
L8+60S
L10+06S
L12+38S
L14+33S
L16+70S
L18+67S
L19+67S
L20+67S
L22+51S
L24+11S
L27+16S
L29+16S
L30+50S
L31+50S
L32+85S
L34+10S
L35+70S

D87-8
D87-1B
D88-15
D87-1A
D87-9C
D87-9
D87-9A
D87-9B
D87-1
D88-2
D88-3
D88-1
D87-7
D87-7A
D88-5
D88-4
8S trench
D88-6
D88-7
D88-8
D88-11
D88-11A
*11S Trench
D-88-9
DDH-88-10
D87-5
D87-4
D87-3
D87-2
D87-2A

Scale
0 200 400 600 FEET
1 INCH = 200 FEET

AURCHEM EXPL. LTD.	
Diamond Drill Hole Locations 602	
NTS. 115 I/3	REGION MNT. NANSEN
PROV. YUKON	DATE NOV 87 NOV 88
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

L24+00N
L21+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L6+00N
L4+07N
L1+90N
L0+00
L1+96S
L4+16S
L6+50S
L8+60S
L10+96S
L11+00S
L12+38S
L14+33S
L15S25
L16+70S
L18+67S
L19+67S
L20+67S
L22+51S
L24+11S
L27+16S
L29+16S
L30+50S
L31+50S
L32+85S
L34+10S
L35+70S

LEGEND

CONTOUR INTERVALS

4·5 PPB.	< 4·5 ppb.
10 PPB.	4·5 - 10 ppb.
20 PPB	10 - 20 ppb.
40 PPB	20 - 40 ppb.
100 PPB	40 - 100 ppb.
	> 100 ppb.

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD. 610

GOLD – SURFACE GEOCHEM.

NTS 115I/3	REGION MNT. HANSEN
PROV. YUKON	DATE OCT. 1987 NOV. 1988
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

L24+00N
L22+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L6+00N
L4+07N
L1+90N
L0+00
L1+76S
L4+16S
L7+05S
L8+60S
L10+04S
L11+00S.
L12+38S
L14+33S
L15+50S
L16+70S
L18+67S
L19+47S
L20+67S
L22+51S.
L24+11S
L27+16S
L29+16S
L30+50S
L31+50S
L32+85S
L34+10S
L35+70S

KEY

Contours	
·45 ppm.	< ·45 ppm.
·90 ppm.	·45 to ·90 ppm.
1·50 ppm.	·90 to 1·50 ppm.
2·00 ppm	1·50 to 2·00 ppm.
3·00 ppm.	2·00 to 3·00 ppm.
	> 3·00 ppm.

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD. 606

SILVER – SURFACE GEOCHEMS.

NTS. 115 I/3	REGION MNT. NIMGEN
PROV. YUKON	DATE OCT. 15, 1987 NOV. 14/88
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

all geochems on this line

L24+00N
L22+00N
L20+00N
L18+00N
L16+00N
L14+00N
L12+00N
L10+00N
L8+00N
L4+07N
L1+90N
L0+00
L1+96S
L4+16S
L6+50S
L8+60S
L10+06S
L11+00S
L12+38S
L14+33S
L15+50S
L16+70S
L18+67S
L19+67S
L20+67S
L22+51S
L24+11S
L29+16S
L30+50S
L31+50S
L32+85S
L34+10S
L35+70S

KEY

Contours
5 ppm.
15 ppm.
30 ppm.
60 ppm
120 ppm

⊠ LEAD ASSAY MISSING FROM HIGH AU &/OR Ag SAMPLE.

- < 5 ppm.
- 5 – 15 ppm
- 15 – 30 ppm
- 30 – 60 ppm
- 60 – 120 ppm
- > 120 ppm

Scale
0 200 400 600 FEET
1 INCH = 200 FEET

AURCHEM EXPL. LTD. 607

LEAD – SURFACE GEOCHEMS.

NTS 115I/3	REGION MNT. HANSEN
PROV. YUKON	DATE OCT. 1987. NOV 1988.
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

L 4+00N
L2+00N
L0+00
L6+00N
L8+00N
L10+00N
L12+00N
L14+00N
L16+00N
L4+00S
L6+00S
L8+00S
L10+00S
L11+00S
L12+38S
L14+33S
L15+50S
L16+70S
L18+67.5S
L19+67.5S
L20+67.5S
L22+51S
L24+11S
L27+16S
L29+16S
L30+50S
L31+50S
L32+85S
L34+10S
L35+70S

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

KEY

CONTOURS:
15 ppm
30 ppm
60 ppm
120 ppm
240 ppm

- ME Zn ASSAY ON HIGH Pb/Ag assay.
- < 15 ppm.
- 15-30 ppm.
- 30-60 ppm.
- 60-120 ppm.
- 120-240 ppm.
- > 240 ppm.

AURCHEM EXPL. LTD. 608

ZINC - SURFACE GEOCHEMS.

NTS 115 I/3	REGION MNT. HANSEN
PROV. YUKON	DATE OCT. 1987
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33.5 west

L 11+00S.

L 15+50S.

L22+51S

L29+16S

L30+50S

L31+50S

L32+85S

L34+10S

L35+70S

L24+11S

L20+67S

L19+67S

L18+67S

L16+70S

L14+33S

L13+43S

L10+00S

L8+00S

L4+16S

L1+00N

L4+07N

L8+00N

L12+60N

L14+00N

L16+00N

L23+00N

L25+00N

KEY

CONTOURS (ppm)	
10	< 10 ppm.
25	10 – 25 ppm
50	25 – 50 ppm
100	50 – 100 ppm
200	100 – 200 ppm
	> 200 ppm

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

AURCHEM EXPL. LTD. 605

ARSENIC – SURFACE GEOCHEMS

NTS 115 I/3	REGION MNT. HANSEN
PROV. YUKON	DATE NOV. 11, 1987 NOV 1988
DATA BY M. LANGDON	DRAWN BY M. LANGDON

092588

DISCOVERY CREEK PROJECT – YUKON

base line

mag. decl'n 33·5 west

L 24+00N
L 22+00N
L 20+00N
L 18+00N
L 16+00N
L 14+00N
L 12+00N
L 10+00N
L 8+00N
L 6+00N
L 4+07N.
L 1+90N.
L 0+00
L 1+96S
L 4+16S
L 6+50S
L 10+06S
L 11+00S.
L 12+38S
L 14+33S
L 15+50S
L 16+70S
L 18+67S.
L 19+67S.
L 20+67S.
L 22+51S.
L 24+11S.
L 27+16S
L 29+16S
L 30+50S.
L 31+50S.
L 32+85S.
L 34+10S.
L 35+70S.

CONTOURS

·2 (no units)
·4
·6
·8
1·0

☒ No Pb or Zn assays but high Au + Ag assays.

KEY

	< ·2
	·2 – ·4
	·4 – ·6
	·6 – ·8
	·8 – 1·0
	> 1·0

AURCHEM EXPL. LTD. 609

LEAD/ZINC RATIO - SOIL GEOCHEMS

NTS. 115 I/3	REGION MNT. MANZEN
PROV. YUKON	DATE NOV. 1987 NOV. 1988
DATA BY M. LANGDON,	DRAWN BY M. LANGDON

Scale

0 200 400 600 FEET

1 INCH = 200 FEET

092588