86-377-14980

A GEOLOGICAL, SOIL GEOCHEMICAL, TRENCHING AND DIAMOND DRILLING PROGRAMME ON THE PAYDIRT CLAIM GROUP

LIARD MINING DIVISION

N.T.S. 104G/4E, 3W
LAT./LONG. 131° 32'W, 57° 04.1'N
31.4'

BY

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1. SUMMARY

This report covers a soil sampling, trenching, geological mapping and diamond drilling programme carried out on the Paydirt claim group between July 12 and October 9, 1985. During this time period 213 soil samples were collected, 80.2 m of trenching was excavated and 759.86 m of diamond drilling in 11 holes was completed.

Exploration in 1985 focused on a north-south striking west dipping gold-bearing zone on the Paydirt claim. At the same time mapping and sampling were carried out over the other claims in the group.

Gold mineralization is hosted by a silicified, sericitized and pyritized alteration zone in Upper Triassic andesitic tuffs, crystal tuffs and lapilli tuffs. Drill-indicated reserves of 204,000 tons averaging 0.12 ounces of gold per ton (185,000 tonnes averaging 4.11 gm Au/tonne) have been delineated in a zone open both down dip and northward along strike. The presence of other potentially significant gold-bearing zones is indicated by three rock samples assaying greater than 0.2 ounces of gold per ton and by soil geochemical anomalies.

It is recommended that a programme of detail geological mapping and rock sampling be undertaken to investigate the gossanous zone that extends from Split #2 Creek to Split #3 Creek within which three rock samples with greater than 0.2 ounces of gold per ton were collected. At the same time trenching should be carried out to investigate the gold in soil anomalies near Discovery Creek. A six week field programme estimated at $70,000 would be required.

If this programme began in early June and results were favourable a second phase of preliminary diamond drilling using a light drill such as a Hydracore or JKS 300 could begin in August. Seven hundred metres of BQ size drilling could be undertaken for approximately $140,000.

2. INTRODUCTION

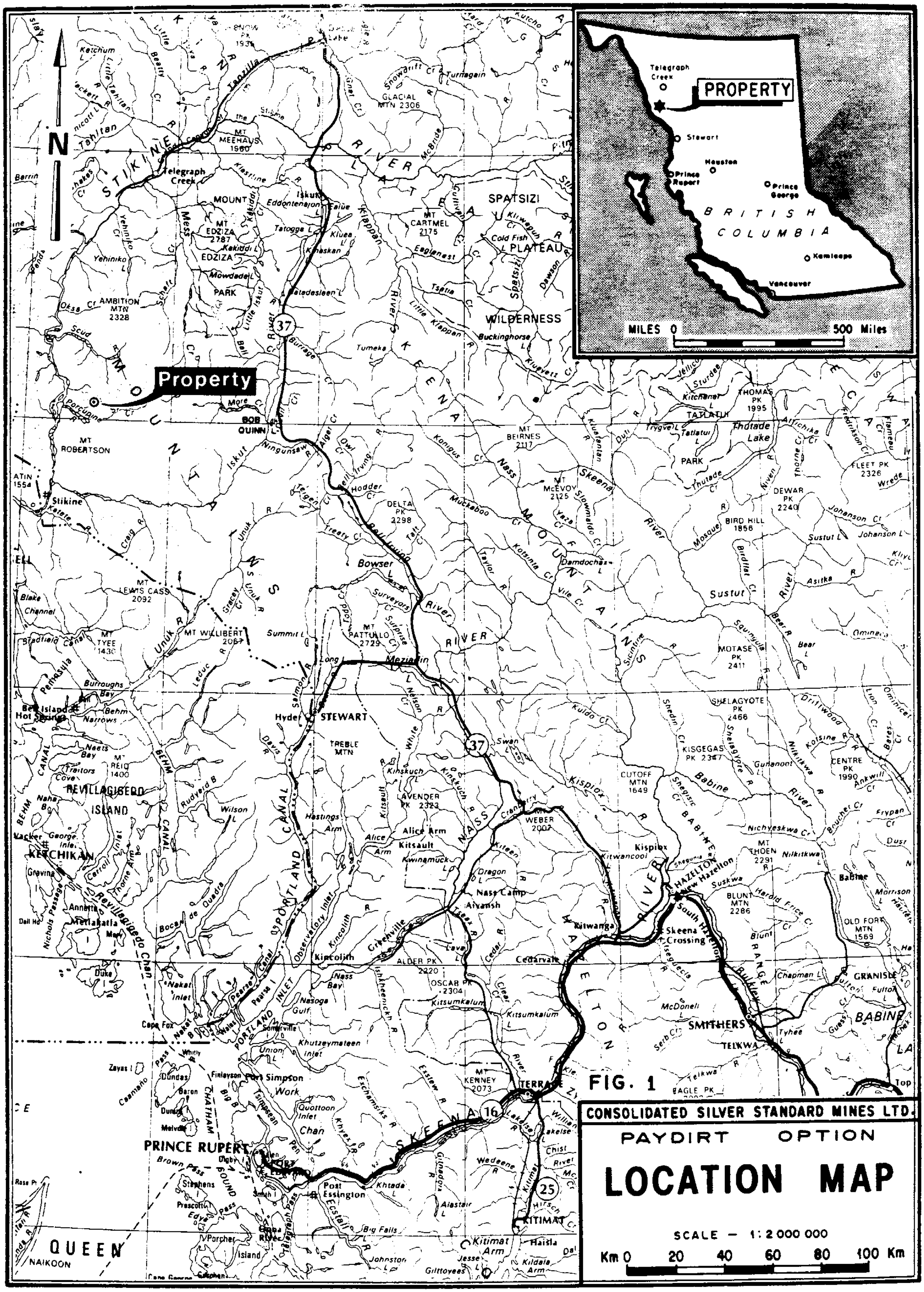
This report describes a geological, soil geochemical, diamond drilling and trenching programme carried out on the Paydirt claim group between July 12 and October 9, 1985. For assessment reporting purposes the work programme has been divided into pre- and post-July 23rd periods. For completeness, results of soil sampling and trenching conducted before July 23, 1985, and previously reported upon in an assessment report entitled "Soil Geochemical Survey and Trenching on the Paydirt Claim Group, October 1985" by M. Holtby, have also been included.

The cost statement of this report only includes post-July 23rd, 1985 work.

2.1 Location and Access

The claims are located south of Mount Scotsimpson along the valley of Split Creek, a tributary of the Porcupine River. Stewart lies 155 km southeast and Telegraph Creek 95 km north-northeast of the claim group.

Access for this programme was via helicopter from Bob Quinn Lake, located on Highway 37, some 80 km east-southeast of the claims. Alternative fixed-wing aircraft access could be to Snippaker Creek or Scud River airstrips, 60 km southeast and 30 km northwest, respectively, and then via helicopter. Alternatively, the Stikine River is navigable by barge to the junction with the Porcupine River, only 15 km west of



CONSOLIDATED SILVER STANDARD MINES LTD.

PAYDIRT OPTION

LOCATION MAP

SCALE — 1: 2 000 000

Km 0 20 40 60 80 100 Km

the claims. Rehabilitation of an overgrown bulldozer trail, constructed in the mid 1960's, would allow road access from the Stikine River to the junction of Split and Split #2 Creeks, approximately the centre of the claim group.

Topographic relief on the claims is steep with elevations ranging from 500 m to 2700 m. Lush vegetation covers most areas below 1,200 m elevation with outcrop exposures limited to creek beds and cliff faces.

A base camp was established beside Split Creek at 761 m elevation. The area of prime interest was worked out of this base camp. The western half of the property was worked out of fly camps.

2.2 History

The first claims covering the present claim group were recorded in the 1960's. Julian Mining Co. conducted geological mapping, I.P. surveys, trenching and 2200 m of diamond drilling on the Ann and Su claims over extensive copper showings exposed on the western half of the present claim group. At the same time Stikine River Mines Ltd. conducted geological mapping and geochemical surveys over the AC and Alpha claims, the eastern half of the present claim group.

The copper showings were staked by Silver Standard Mines Ltd. in 1969 and by Great Plains Development Co. in 1974 as the AS claims. Great Plains conducted geological and geochemical surveys.

In 1981 Teck Explorations Ltd. staked the copper showings and later expanded the claims to their present size to include the gold showing. Teck carried out geological mapping, soil and silt geochemical sampling, a magnetometer survey, trenching and 49 m of diamond drilling in the vicinity of Discovery Creek and prospected the rest of the claim area.

2.3 Claims

Claim Name	Units	Record No.	Record Date	Expiry
Split	8	1917	12 June	1991
Creek	15	1918	12 June	1991
Wife	20	1961	23 July	1987
Father	12	1962	23 July	1987
Mother	20	1963	23 July	1986
Pay Dirt	12	1964	23 July	1991
Daughters	12	1965	23 July	1986

2.4 1985 Work Programme

This report covers geological mapping of the claim block at 1:5,000 and the main area of interest at 1:1,000, 213 soil samples, 80.2 m of trenching and 759.86 m of BQ size diamond drilling in 11 holes.

In addition, a 510 m trail was cut from the base camp to the showings. A topographic map covering 22.92 km^2 at a scale of 1:5,000 was prepared.

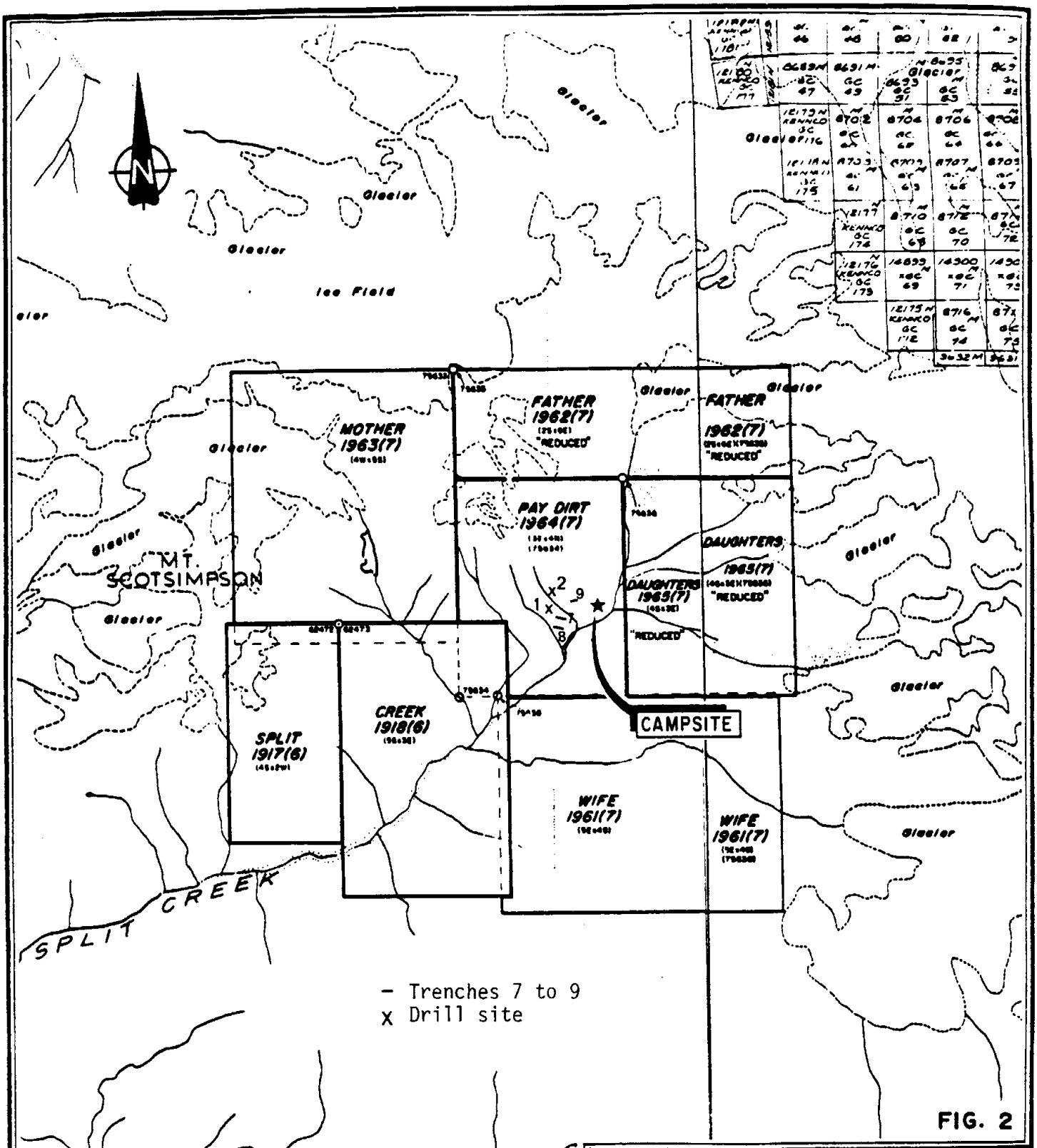


FIG. 2

CONSOLIDATED SILVER STANDARD MINES LIMITED

PAYDIRT OPTION

STIKINE REGION BRITISH COLUMBIA

CLAIM MAP

NTS: 104 G/4E,3W | SCALE 1:50,000

Personnel on this project were: M. Holtby, geologist, from July 18th to November 6; D. Bain, geologist, from August 7th to October 7th; J. Bacon, labourer, from July 12th to October 11th; P. Daubeny, labourer, from July 15th to October 11th; R. Quartermain, supervisor, from August 28th-30th and October 1st-6th; and A. Potter, labourer, from July 29th to August 9th.

Post-July 23rd work included: 109 soil samples, 23 m trenching, all geological mapping and all diamond drilling.

3. GEOLOGY

3.1 Regional Geology

The claims lie in an unnamed belt of Upper Triassic eugeosynclinal sedimentary and volcanic rocks intruded by Triassic and Jurassic syenitic intrusions and Jurassic and/or Cretaceous diorite to granodiorite intrusions. Upper Triassic units in this belt are predominantly augite andesite breccia, conglomerate and volcanic sandstone with thick sections of greywacke, graded siltstone, tuff, shale, limestone and volcaniclastics. The gold showings on the claims occur 8 km southwest of the Stikine Copper deposit at Galore Creek.

3.2 Property Geology

Property geology is shown on Figure 6 at a scale of 1:5,000. Figure 7 shows the area of prime interest at a scale of 1:1,000.

Nine map-units have been identified. The oldest and principal rocks exposed on the claims are Upper Triassic volcanics. Intruding the volcanics are three separate granitic units. A small exposure of amphibolite was found on Split Creek. Dykes have been divided into three map-units. One map-unit is a style of alteration rather than a separate rock type.

Map-Unit 9:

Upper Triassic volcanic rocks have been subdivided into seven units. Andesites comprise six subdivisions: undivided tuffs (mainly coarse ash tuff), agglomerate, lapilli tuffs, crystal and crystal-lapilli tuff, fine ash tuffs and flows. The seventh subdivision is a very siliceous, aphanitic to very fine-grained tuffaceous sediment. Andesites are green, grey and purple with color often related to grain size (agglomerates or lapilli tuffs often purple) or to alteration (various shades of green related to degree of chloritization or epidotization). All volcanic rock types exhibit epidote and chlorite development resulting from regional metamorphism. While no property wide stratigraphic sequence of volcanic units could be established, local trends are recognizable.

Unit 9a is the predominant andesite unit. It consists of mainly coarse ash tuffs, although in any one outcrop may include small intervals of other units. These coarse ash tuffs are unsorted, lack bedding, have undergone regional metamorphism with resultant chlorite and epidote

development, are usually green or dark grey and commonly contain up to 1% disseminated pyrite.

The eastern side of the map area (east of Split Creek) is predominantly lapilli tuffs and agglomerates with thin (1 to 2m) sections of siliceous, aphanitic to very fine-grained tuffaceous sediment. Bedding in the siliceous sections has a general north to north-northeast strike with shallow east dips. Coarse lithics in this area have undergone moderate to strong chloritization and less frequently strong epidotization.

In the area of prime interest a general stratigraphic sequence can be observed along Discovery Creek. Coarse ash andesite tuffs are exposed along the creek below 860m. At 860m an andesite dyke marks a change in lithology. From 860m to 880m is the main gold-bearing alteration zone (map-unit 4b); lapilli tuffs, crystal-lapilli tuffs and ash tuffs have been altered. Above 880 m is a narrow interval of coarse ash tuffs and then unit 9d, crystal tuffs and crystal-lapilli tuffs. Unit 9d in outcrop is grey to purple but in drill core is medium grey. Crystal tuff commonly has 30%-40% feldspars and 5% coarse ash. Crystal-lapilli tuffs have variable quantities of feldspar crystals, usually less than 10%, up to 40% lapilli sized lithics, with the remainder as coarse or fine ash. Epidote alteration of lapilli is extensive and characteristic of unit 9d. At 910 m the contact between unit 9d on the west and unit 9c on the east strikes north-northwest and dips steeply east. Epidote alteration of lapilli is also common in unit 9c. Occasionally a rare

granitic lithic fragment occurs in the lapilli tuff unit. From 950 m to 980 m agglomerates are mixed with lapilli tuffs and above 980 m agglomerates are the predominant rock type. On the plateau above Discovery Creek crystal-lapilli tuffs, with 50% feldspar crystals and 10% lapilli, are found.

Along Killer Creek, just west of Discovery Creek, the same sequence is not found. From Killer Creek westward to the western side of the map area, unit 9a predominates. Two bands of andesite flows (unit 9f) have been mapped near the western edge of the map-area.

Map-Unit 8:

Hornblende diorite is exposed along Split Creek from the canyon in the middle of the map area upstream to 850 m. It is dark grey, has traces of disseminated pyrite, is weak to moderately magnetic with 1/2% disseminated magnetite, and is propylitically altered. Occasional chalcopyrite and pyrite fracture fillings are found upstream of the campsite.

Map-Unit 7:

Amphibolite is found along Split Creek from 790 m to 800 m elevation. The amphibolite is dark grey to black. Its northern boundary is sharp while its southern boundary is vague with decreasing proportions of amphibolite to diorite over a distance of 20 m to 30 m. Two circular patches, 60 cm and 40 cm in diameter, of chalcopyrite-molybdenite-

magnetite-pyrite mineralization were found in the amphibolite. No gold was found in these sulphide patches.

Map-Unit 6:

The syenites to monzonites of this unit form a large stock at the headwaters of Split Creek. Along Split Creek weakly propylitized syenites are exposed. A mixture of syenitic and monzonitic rocks are found west of Split Creek.

Unit 6a is a subdivision exposed along the east and south sides of map-unit 6 and may be a boarder phase of the stock. In cliffs east of Split Creek granodiorites occur while monzonites predominate in the section south of the stock.

Map-Unit 5:

This small granodiorite stock is centred on the lower part of Split #3 Creek. It is light grey to pale greenish grey with a fine-grained siliceous contact zone.

Map-Unit 4:

This map-unit is an alteration feature rather than a separate rock type. Alteration zones associated with shearing are commonly silicified, sericitized, pyritized, highly foliated and occasionally chloritized. The shears strike northwest to north-northwest and commonly dip steeply east and occasionally steeply west.

The alteration zones associated with shearing may include sections with large quartz veins. Where mapped these have been subdivided as unit 4a. These quartz veins contain calcite, siderite(?), and up to 10% sulphides. In general the sulphides are insignificant in content. The two occurrences with 10% sulphides assayed 0.03 oz au/ton.

Another subdivision is unit 4b. This type of alteration is not obviously associated with shearing. Alteration consists primarily of strong sericitization, silicification, bleaching and minor argillation. The alteration zones appear to trend northeast-southwest and dip to the north. They are pyritized with 1%-2% ubiquitous pyrite and bands of 10+% pyrite.

Map-Unit 3:

Map-unit 3 is andesite dykes with subdivisions 3a and 3b basalt and diabase dykes, respectively. All dykes are essentially unaltered and are considered to be post mineralization. One andesite dyke has been found to be significant in investigation of the gold mineralization on Discovery Creek. The footwall of the mineralization occurs, for the most part, at the andesite dyke that crosses Discovery Creek at 860 m. This dyke is dark grey with a greenish tint, fine-grained, weakly magnetic, about 2 m thick (variable thickness), essentially unaltered with rare hairline calcite fracture fillings and has fault gouge along both contacts. The orientation of this andesite dyke changes significantly along its exposed length. At its most northerly outcropping it strikes

165° with an 86° east dip. Near trenches one and two it strikes 150° and dips 58° west while near trench 9 it strikes 172° and dips 56° west. From trench 9 to Discovery Creek and west of the creek the dyke's strike swings more southwesterly while the dip remains to the west or northwest.

Map-Unit 2:

Diorite dykes of map-unit 2 are found cutting unit 9 volcanics and unit 6 monzonites. They are fine-grained and fresh looking.

Map-Unit 1:

Lamprophyre dykes of map-unit 1 were found in two localities on Split Creek and are only exposed during low water periods. A one metre wide dyke cuts diorites at the top of the canyon on Split Creek at 675 m elevation. A 20 cm wide dyke cuts diorite and amphibolite on the south side of the amphibolite mapped on Split Creek. A 75 cm wide dyke was intersected in drill hole 85-11 and another one 60 cm wide in hole 85-7.

3.3 Mineralization

Gold mineralization on Discovery Creek is hosted by map-unit 4b. On surface, the gold-bearing zone has an observed strike length of 100 m and width up to 25 m. Drilling has confirmed down dip extensions to 70 m. The form of the zone is well displayed on figure 8 cross sections.

The gold-bearing zone is the lower half of a two-part alteration zone. Alteration consists of silicification, sericitization and pyritization with the gold occurring in the more intensely silicified portion. The upper half of the alteration zone has weaker silicification and stronger sericitization.

The alteration zone and the gold-bearing zone are bounded on their footwall, for the most part, by an andesite dyke. This so-called footwall dyke is distinctively unaltered, has gouge along both contacts and is considered post alteration and mineralization. Gold mineralization found in the zone above the dyke is not associated with copper while gold found beneath the dyke in holes 85-1 and 85-3 is associated with copper. As well the two short intervals in the upper part of hole 85-3 that have been included in the gold-bearing zone are associated with copper. Those portions of the zone with copper associated gold have a weaker silicification but not as weak as the essentially barren upper half of the alteration zone.

All drill holes intersected gold mineralization. Averaging assays for intercepts in the 2 fans of drill holes and calculating the volume and tonnage (using a s.g. of 2.65) between these fans indicates reserves of 204,000 tons averaging 0.12 oz au/ton.

With known outcrops south of the southern fan of drill holes (cross section A-B) and drill intersections in hole 7 and possible hole 8 north of the northern fan of drill holes (cross section C-D) a further 200,000

Drill Intercepts of Gold-Zone

Drillhole	From (m)	To (m)	Interval (m)	Average ounces gold/ton	Average gm Au/tonne
85-1	20.8	40.39	19.59	0.133	4.56
	incl. 24	36	12	0.171	5.86
	42.05	44	1.95	0.131	4.49
85-2	18	43.58	25.58	0.098	3.36
	incl. 18	24	6	0.160	5.49
	incl. 32	36	4	0.123	4.22
	incl. 40	43.58	3.58	0.175	6.00
85-3	20	22	2	0.109	3.74
	28	29	1	0.146	5.01
	41.1	45.11	4.01	0.098	3.36
	47	49	2	0.149	5.11
85-4	33	37.95	4.95	0.309	10.59
85-5	32	43	11	0.125	4.29
	incl. 34	39	5	0.206	7.06
85-6	39	57	18	0.090	3.09
	incl. 40	43	3	0.149	5.11
	incl. 48	50	2	0.142	4.87
	incl. 54	57	3	0.120	4.11
85-7	31	34.14	3.14	0.055	1.89
85-8	69	83	14	0.087	2.98
incl.	74	76	2	0.453	15.53
85-9	47	66	19	0.097	3.33
	incl. 55	58	3	0.104	3.57
	incl. 60	65	5	0.187	6.41
85-10	34	37.49	3.49	0.070	2.40
	57	57.6	0.6	0.162	5.55
	59.25	62	2.75	0.031	1.06
85-11	53	59.4	6.4	0.165	5.66
	incl. 56	59	3	0.244	8.37

tons may be inferred. Hole 85-8 intersected gold mineralization with weak associated copper. It is not known at this stage whether this is the main gold zone or another zone.

The average of 0.12 oz au/ton is for the gold zone as shown on figure 8, excluding the footwall dyke. Higher grades over significant widths were found. Drill intercepts and assays for the gold zone as per figure 8 are given on page 13 along with the other holes not shown on figure 8. Holes 85-7 and 10 did intersect the main zone.

Elsewhere on the claim block 19 rock samples with greater than 0.01 oz au/ton were collected, including three with greater than 0.2 oz au/ton. By geographic area these samples (* samples with greater than 0.2 oz au/ton) are:

(a) Split Creek:

Sample no. 630; 0.092 oz au/ton. This is a minor chalcopyrite mineralized zone in sericitized syenite. The extent of copper mineralization is not considered significant.

(b) Killer Creek:

Sample no. 285b; 0.030 oz au/ton, 0.16% cu. This weakly mineralized quartz vein occurs sporatically in a shear zone extending along Killer Creek.

Sample no. 614; 0.025 oz au/ton. A sample of the bleached and weakly pyritized shear zone along Killer Creek. This shear zone is not considered to have an economic potential.

Sample no. 355; 0.035 oz au/ton. A strongly chloritized andesite lapilli tuff with 1/2% pyrite along fractures.

(c) Split #3 Creek:

Sample no. 341; 0.078 oz au/ton. Talus.

* Sample no. 342; 0.270 oz au/ton. Bedrock.

Both samples are of a chloritized tuff with siliceous alteration. Five percent pyrite occurs as masses in the tuff.

Sample no. 344; 0.068 oz au/ton. A 20 cm wide quartz vein with 5% galena and chalcopyrite.

* Sample no. 345; 0.294 oz au/ton. Talus sample of andesite tuff with siliceous alteration and 1% pyrite finely disseminated.

Sample no. 346; 0.063 oz au/ton. Sample of gossanous material in 3 m wide alteration zone cutting andesite lapilli tuff.

(d) West of head of Split #3 Creek:

Sample no. 337; 0.053 oz au/ton.

Sample no. 339; 0.026 oz au/ton.

Both samples of silicified and pyritized gossanous zone that is centered at the head of Split #3 Creek and includes area sampled along Split #3 Creek.

(e) Split #2 Creek:

Sample no. 261; 0.036 oz au/ton, 1.59% cu. A 50 cm quartz-carbonate vein with up to 10% combined pyrite, galena and chalcopyrite. This vein is not considered to have economic potential.

Sample no. 318; 0.033 oz au/ton.

Sample no. 319; 0.022 oz au/ton.

Sample no. 320; 0.026 oz au/ton.

*Sample no. 321; 0.202 oz au/ton.

All pyritized and silicified zones in tuff. Pyrite 1%-3% with chalcopyrite. These samples are in the vicinity of the malachite stained cliffs along the lower section of Split #2 Creek.

(f) Split #1 Creek:

Sample no. 288; 0.038 oz au/ton.

Sample no. 289; 0.011 oz au/ton.

Both samples of pyritized and silicified shear zone cutting chloritized andesite tuff. The shear zone extends along Split #1 Creek.

Sample no. 270; 0.036 oz au/ton, 6.36% cu.

Sample of massive pyrite and chalcopyrite beside a quartz vein that occurs in the shear zone along Split #1 Creek. The shear zone is not considered to have an economic potential.

Most of these samples occur in a pyritized alteration zone exposed along Split # 2 Creek and extending to the headwaters of Split #3 Creek.

4. SOIL GEOCHEMISTRY

Soil samples were collected for an orientation survey over the known mineralization and to define possible extensions of that mineralization. Thirty element Inductively Coupled Argon Plasma (I.C.P.) analyses were carried out on the first 164 samples to determine if there were any geochemical pathfinders associated with the gold mineralization. As well, 10 gm or 20 gm sample geochemical analyses by Atomic Absorption (A.A.) were carried out for gold. Good correlations between gold and the other 29 elements were not found so later samples were analysed for gold only by A.A. analysis.

Samples were collected from B horizon soils at a depth of between 15 to 30 cm. These samples were packed in Kraft paper envelopes and sent to Acme Analytical Laboratories Ltd. in Vancouver for sample preparation and analysis. The minus 80 mesh fraction was analysed as the gold is very fine grained. Analytical procedures are outlined in Appendix 2.

The soil sample grid is shown on Figure 3 at a scale of 1:5,000. Sample numbers on Figure 4 and gold values in p.p.b. on Figure 5 are at a scale of 1:1,000. A complete list of analyses by I.C.P. and A.A. are given in Appendix 3.

The known gold-bearing zone has been well outlined by a gold in soils anomaly, anomaly A on Figure 5. This anomaly extends 60 m north-south from line 9+60N to line 10+20N and has a width of about 20 m. It is closed-off at its southern end but is open to the north. Based on surface mapping and diamond drilling results, anomalous gold values in soil probably extend 20 m further north.

Thirty metres west of anomaly A occurs narrow anomaly B, extending from line 9+70N to line 10+10N and open at both ends. Anomaly B lies in a soil and talus covered area but probably is underlain by andesitic crystal and crystal-lapilli tuffs. It may mark an unexposed gold zone paralleling the zone identified by anomaly A.

Anomalies C to H are located in overburden covered areas. Anomaly C is probably underlain by andesitic crystal and crystal-lapilli tuffs. Anomaly D lies in a gully on the east side of the andesite dyke referred to in the section on Property Geology. Exposures in Trench 2 would indicate anomaly D is underlain by essentially unmineralized andesite tuffs. Drill hole 85-4 tested the area underlain by anomaly D; no gold was found. Anomalies E to G are most likely related to very weak gold mineralization in north-south striking sheared and altered zones. No

rocks are exposed near anomalies E and F. Immediately north of anomaly G a weakly pyritized, silicified and chloritized highly foliated tuff is exposed. Anomaly H may represent an isolated weakly mineralized area or southern extensions of the gold-bearing zone.

The pronounced north-south strike of soil anomalies reflects the drainage pattern. The drainage pattern in turn reflects the dominant structural trend of shears and alteration zones. Isolated intermediate gold values in soils most likely represent weak mineralization detectable in areas of thinner overburden. This effect is well demonstrated by anomaly G, where the highest gold value is in the bottom of a gully with decreasing values extending east and west as the overburden thickens.

5. DIAMOND DRILLING

Diamond drilling by Drilcor Industries Ltd. commenced August 25 and was completed October 5, 1985. Eleven holes BQ size totalling 759.86 m were drilled from 2 sites. Hole locations with horizontal components are shown on figure 7. Two cross sections are shown on figure 8; A - B in the plane of holes 85-1, 2, 3 and 11, and C - D in the plane of holes 85-4, 5, 6 and 9. Drill logs with assays may be found in appendix 5.

Holes 85-1 to 3 were drilled in a fan intended to test the mineralized zone in the same plane and location as the winkie drill holes drilled by Teck Explorations Ltd. in 1981. Hole 85-1 crosscut winkie hole #1 and was slightly below winkie hole #2, essentially duplicating winkie hole

#2. Hole 85-11 tested down dip of hole 85-3 while hole 85-10 was drilled out of the drill section plane and just west of trench 5.

First Drill Site - elevation 890.5 m

Hole No.	Length (m)	Bearing	Dip
85-1	67.97	91°	-45°
85-2	74.07	91°	-60°
85-3	93.88	91°	-80°
85-10	68.88	150°	-52°
85-11	66.14	295°	-75°

Second Drill Site - elevation 916.4 m, 39.5 m on bearing 355° from hole 85-1

Hole No.	Length (m)	Bearing	Dip
85-4	56.69	91°	-42°
85-5	54.25	91°	-60°
85-6	66.45	91°	-75°
85-7	49.83	45°	-45°
85-8	85.50	330°	-62°
85-9	76.20	360°	-80°

Holes 85-4 to 6 and 9 were drilled in a second fan 39.5 m north and parallel to the first. Hole 85-7 tested northward extensions from hole 85-4. Hole 85-8 was intended to test northward extensions from holes 85-6 and 9 but was abandoned before intersecting the footwall dyke. Hole 85-8 did test beneath a small alteration zone just north of the main gold-bearing zone (sample site 278 on figure 7).

Results of the diamond drilling programme do not support the conclusion reached in Teck's 1981 report that down dip the mineralized zone ends just west of winkie drill hole #1. All 1985 drill holes intersected the main gold-bearing zone (except possibly hole 85-8) and indicate that the zone is open down dip (westward) and along strike (northward).

Mineralization intersected in drill holes is discussed in more detail in section 3.3, Mineralization.

Drill core is stored on the property.

6. PHYSICAL WORK

Physical work consisted of a 510 m trail cut from the campsite to the showings on Discovery Creek and trenching in the vicinity of the showings.

6.1 Trenching

Trenching was undertaken to define the boundaries of the gold zone and expose possible extensions in overburden covered area. These trenches, dug using hand tools and explosives, are shown on Figures 4 and 7.

Trench No.	Length metre	Width metre	Depth metre	Sample Numbers *
pre-July 23/85				
1	4.2	0.5-1.0	0.5-1.0	85PD 701-704
2	9.4	0.5-1.0	0.5-1.2	85PD 705-710
3	8.9	0.5	0.5-0.8	85PD 734-741
4	9.9	0.5	0.5-1.0	85PD 742-745
5	22.8	0.3-0.5	0.5-1.6	85PD 711-733
6	2.0	0.5	0.5-1.5	no samples
post-July 23/85				
7	6.0	1.0	1.0	85PD 277, 281 grab samples
8	2.0	1.0	1.0-1.5	85PD 282 grab samples
9	15.0	1.0-3.0	1.0-3.5	85PD 746-760

* 1 m consecutive channel samples except where indicated

7. CONCLUSIONS AND RECOMMENDATIONS

The main gold-bearing zone is not obviously related to any structural feature such as shearing but is a zone of silicification, sericitization and pyritization of andesitic tuffs, crystal tuffs and lapilli tuffs. The zone has a north-south strike, a west dip and is open both down dip and northward along strike. Drill indicated reserves are 204,000 tons averaging 0.12 ounces of gold per ton (185,000 tonnes averaging 4.11 gm Au/tonne) between the two fans of drill holes (tonnage for the zone outlined on figure 8 cross sections, excluding the footwall dyke). With known outcrops south of the southern fan of drill holes (cross section A-B) and drill intersections in hole 7 and possibly hole 8 north of the northern fan of drill holes (cross section C-D) a further 200,000 tons (181,000 tonnes) are inferred.

The presence of other potentially significant gold-bearing zones is indicated by three rock samples collected during this programme and assaying greater than 0.2 ounces of gold per ton.

Soil sampling on a closely spaced grid was successful in outlining the know gold mineralization. As well, seven other gold in soil anomolies were found.

It is recommended that a programme of detail geological mapping and rock sampling be undertaken to investigate the gossanous zone that extends from Split #2 Creek to Split #3 Creek within which the three rock samples assaying greater than 0.2 ounces of gold per ton were collected. At the same time trenching should be carried out in the area of soil anomalies C, B and H to determine the source of the gold. Soil anomaly H is on strike with the known gold-bearing zone while anomalies C and B are parallel to the zone. This programme would cost $70,000 for a 6 week field programme.

If this programme began in early June and results were favourable a second phase of preliminary diamond drilling using a light drill such as a Hydracore or JKS 300 could begin in August. Seven hundred metres of BQ size drilling could be undertaken for approximately $140,000.

8. STATEMENT OF QUALIFICATIONS

MAX H. HOLTBY

I hereby certify that:

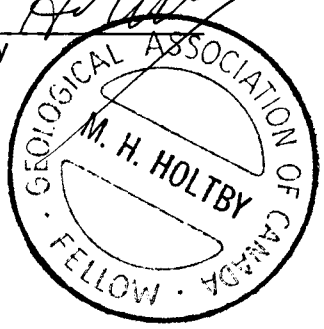
1. I graduated from the University of British Columbia in 1972 with a B.Sc. in Honours Geology.

2. I am a Geological Association of Canada Fellow and Geological Society of Malaysia Member in good standing.

3. The work described herein was done under my direct supervision.

4. I have worked since graduation as an exploration geologist and in mine management in Canada and Malaysia.

Max H. Holtby



APPENDIX I

Cost Statement

(For assessment purposes - post July 23, 1985 only)

Wages and Benefits $49,560.00

M. Holtby, Geologist July 24 to November 6, 1985

92 days @ $200 = $18,400 + 20% benefits = $22,080

D. Bain, Geologist August 7 to October 7, 1985

62 days @ $130 = $8,060 + 20% benefits = $9,672

J. Bacon, Helper July 24 to October 11, 1985

80 days @ $90 = $7,200 + 20% benefits = $8,640

P. Daubeny, Helper July 24 to October 11, 1985

78 days @ $80 = $6,240 + 20% benefits = $7,488

A. Potter, Helper July 25 to August 9, 1985

13 days @ $129.20 = $1,680

Food and Accommodation $12,680.00

16 man-days @ $70 (commercial) = $1,120

289 man-days @ 40 (camp) = $11,560

Transportation $53,691.88

Helicopters (Okanagan Helicopters Ltd.) 103.5 hrs @ $486.35 = $50,338.08

Truck Rental $1062.05

Freight Charges $2,291.75

Equipment $7,953.04

Fridge, stove, heaters, tent, tarps, generator,

general camp supplies $5,193.41

Plugger drill rental $963

Explosives $1,207.91

Fuel $588.72

Drilling as per invoices $41,795.00

Sample Analysis $13,061.02

Soil Samples: 50 samples I.C.P. analysis plus Au by A.A.
from 20 gm sample @ $11.10 = $555.00

59 samples for Au by A.A. from 20 gm sample
@ $5.10 = $300.90

Core Samples: 514 samples for Au and Cu @ $18.75 = $9,637.50
91 samples for Au @ $12.00 = $1,092.00
45 samples for Au @ $10.13 = $455.62

Rock Samples: 105 samples for Au and Cu @ $18.75 = $1,968.75

91 samples for Au @ $12.00 = $1,092

Expediting	$1,020.00
Total	$180,104.46

APPENDIX 2

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone : 253 - 3158

GEOCHEMICAL LABORATORY METHODOLOGY - 1985

Sample Preparation

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis (AA and ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metals are determined by :

A. Atomic Absorption (AA)

Ag*, Bi*, Cd*, Co, Cu, Fe, Ga, In, Mn, Mo, Ni, Pb, Sb*, Tl, V, Zn
(* denotes with background correction.)

B. Inductively Coupled Argon Plasma (ICP)

Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Geochemical Analysis for Au*

10.0 gram samples that have been ignited overnite at 600°C are digested with 30 mls hot dilute aqua regia, and 75 mls of clear solution obtained is extracted with 5 mls Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 1 ppb).

Geochemical Analysis for Au**, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire Assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt, and Rh are determined in the solution by graphite furnace Atomic Absorption. Detections - Au=1 ppb; Pd, Pt, Rh=5 ppb

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml. As is determined in the solution by Graphite Furnace Atomic Absorption (AA) or by Inductively Coupled Argon Plasma (ICP).

Geochemical Analysis for Barium

0.25 gram samples are digested with hot NaOH and EDTA solution, and diluted to 20 ml.

Ba is determined in the solution by ICP.

Geochemical Analysis for Tungsten

0.25 gram samples are digested with hot NaOH and EDTA solution, and diluted to 20 ml. W in the solution determined by ICP with a detection of 1 ppm.

Geochemical Analysis for Selenium

0.5 gram samples are digested with hot dilute aqua regia and dilute to 10 ml with H_2O. Se is determined with $NaBH_3$ with Flameless AA. Detection 0.1 ppm.

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 6 1985 DATE REPORT MAILED: Aug 12/85 ASSAYER: V. Saundry ..DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONSOLIDATED SILVER STANDARD MINES PROJECT - C-1016 FILE # 85-1744 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-003	1	529	5	50	.6	17	31	852	5.49	10	5	ND	1	19	1	2	4	103	.33	.21	2	33	1.96	177	.14	2	2.42	.01	.46	1	1750
85-PD-004	5	504	4	47	.4	14	41	824	7.03	12	5	ND	2	22	1	2	3	116	.41	.22	2	13	2.27	187	.20	3	2.76	.01	.59	1	270
85-PD-005	4	483	5	45	.5	14	35	764	6.46	12	5	ND	2	18	1	2	2	103	.37	.41	2	16	2.02	151	.16	5	2.56	.01	.57	1	340
85-PD-006	14	912	16	46	.3	14	68	1058	7.88	11	5	ND	3	32	1	2	2	95	.54	.35	5	10	1.85	234	.15	3	2.07	.01	.44	1	165
85-PD-007	4	29	10	44	.1	3	1	353	5.69	8	5	ND	2	17	1	2	4	129	.58	.45	3	11	2.45	231	.30	2	2.07	.01	1.33	1	1500
85-PD-008	9	100	15	48	.4	3	26	608	6.05	8	10	ND	3	13	1	2	3	83	.23	.31	2	7	1.74	151	.30	2	1.70	.01	.60	1	390
85-PD-009	3	5023	6	84	.1	15	40	1021	9.17	26	5	ND	2	30	1	2	2	175	.86	.54	7	14	3.37	391	.24	4	3.44	.01	1.24	1	190
85-PD-010	4	1783	13	60	.4	14	25	868	6.25	14	5	ND	2	16	1	2	2	166	.51	.38	2	19	2.97	159	.20	3	3.06	.01	.87	1	120
85-PD-011	4	534	3	32	1.7	6	8	505	4.02	4	5	ND	1	11	1	3	4	75	.13	.22	6	10	.87	50	.07	2	1.44	.03	.17	1	55
85-PD-012	5	336	7	32	.4	10	19	369	5.54	8	5	ND	3	15	1	2	2	100	.33	.27	2	12	1.47	122	.16	3	2.52	.02	.43	1	25
85-PD-013	11	541	16	39	.4	16	51	941	6.34	17	5	ND	2	24	1	3	4	80	.21	.22	2	23	1.35	90	.10	2	2.69	.01	.23	1	22
85-PD-014	7	427	9	39	.4	18	63	1349	5.88	10	5	ND	2	21	1	2	6	70	.30	.36	2	9	1.32	96	.08	2	2.04	.01	.31	2	600
85-PD-015	21	581	19	39	.4	12	68	1033	7.91	13	5	ND	2	26	1	2	2	69	.42	.34	2	7	1.17	156	.09	5	1.60	.01	.17	1	120
85-PD-016	24	666	21	43	.3	12	56	1079	8.24	16	5	ND	2	25	1	2	2	80	.38	.38	2	7	1.25	205	.12	4	1.64	.01	.18	1	60
85-PD-017	16	764	22	45	.4	10	49	919	7.39	12	5	ND	3	27	1	2	3	86	.42	.35	2	9	1.39	234	.10	4	1.73	.01	.22	1	170
85-PD-018	16	135	14	51	.3	8	74	754	7.69	9	5	2	2	27	1	2	2	110	.64	.38	2	9	2.04	407	.29	4	2.10	.01	.80	1	6000
85-PD-019	3	68	8	24	.5	2	2	255	4.93	6	7	7	2	29	1	2	4	69	.05	.10	2	6	1.37	298	.36	2	1.45	.02	.87	1	3200
85-PD-020	1	423	6	39	.4	7	6	480	3.74	6	7	ND	2	11	1	2	5	52	.18	.20	2	13	.99	72	.08	2	1.52	.01	.17	1	170
85-PD-021	3	1083	12	54	.5	16	20	650	7.40	10	5	ND	2	16	1	2	2	135	.51	.36	2	36	2.85	137	.24	4	3.17	.01	.86	1	1300
85-PD-022	5	697	15	33	.9	6	14	975	5.71	7	5	ND	2	18	1	2	4	106	.14	.36	4	18	.94	53	.08	3	1.76	.01	.15	1	160
85-PD-023	2	136	10	32	.5	6	5	268	7.64	7	5	ND	3	17	1	2	2	143	.11	.08	2	17	.60	24	.12	2	2.10	.01	.03	1	6
85-PD-024	2	141	12	28	.4	6	6	295	6.51	8	5	ND	2	16	1	3	2	149	.13	.19	2	15	.60	26	.05	2	2.03	.01	.05	1	17
85-PD-025	3	58	17	16	.1	3	2	158	6.47	9	5	ND	2	12	1	2	4	113	.06	.10	6	13	.29	17	.09	2	1.30	.01	.03	1	140
85-PD-026	2	105	6	24	.2	6	5	239	5.72	4	5	ND	2	18	1	2	2	139	.19	.17	4	17	.49	40	.06	2	1.85	.01	.02	1	95
85-PD-027	1	93	2	13	.2	4	4	102	3.25	4	5	ND	1	12	1	2	4	71	.05	.13	3	11	.19	35	.04	2	.98	.01	.02	1	5
85-PD-028	2	212	8	22	.1	5	8	200	4.94	4	5	ND	1	11	1	2	4	82	.11	.14	8	9	.67	43	.08	2	2.21	.01	.06	1	12
85-PD-029	1	104	7	16	.2	2	5	132	4.05	7	5	ND	2	9	1	2	3	77	.07	.09	2	10	.43	18	.07	2	1.91	.01	.03	1	19
85-PD-030	5	215	7	20	.5	6	9	144	5.64	4	7	ND	2	11	1	2	4	74	.09	.12	2	8	.59	48	.12	2	2.85	.01	.10	1	2
85-PD-031	1	112	9	21	.1	4	7	358	5.25	10	5	ND	2	16	1	2	3	135	.18	.32	4	14	.49	27	.06	2	2.27	.01	.03	1	6
85-PD-032	4	535	12	47	.2	15	39	775	6.78	9	5	ND	2	20	1	3	4	112	.28	.31	2	10	1.59	169	.15	2	2.61	.01	.45	1	18
85-PD-033	17	1111	11	32	1.1	8	21	1045	5.23	9	5	ND	3	8	1	5	8	88	.14	.40	10	14	.96	36	.07	2	2.79	.01	.11	1	10
85-PD-034	2	215	6	24	.7	7	13	139	3.75	5	6	ND	1	14	1	2	7	47	.16	.32	2	10	.69	119	.02	2	1.01	.01	.20	1	3
85-PD-035	14	766	12	42	.6	9	33	693	8.51	10	5	ND	2	14	1	2	2	57	.22	.29	3	8	1.52	131	.18	2	2.07	.01	.44	1	105
85-PD-036	14	734	15	45	.6	10	43	812	8.40	6	5	ND	3	16	1	2	2	66	.28	.28	2	9	1.60	140	.17	4	2.08	.01	.45	1	95
85-PD-037	12	591	14	38	.4	12	34	641	6.74	7	5	ND	2	19	1	2	3	80	.32	.24	2	10	1.49	130	.12	2	1.98	.01	.33	1	175
85-PD-038	34	278	19	40	.2	5	55	568	12.34	6	5	5	2	8	1	2	2	80	.15	.41	2	4	1.60	239	.26	11	1.83	.01	.49	1	5000
STD C/AU 0.5	20	62	39	130	7.2	69	28	1127	4.11	39	15	8	40	50	18	15	20	59	.46	.12	40	59	.88	182	.08	36	1.73	.06	.12	12	480

APPENDIX 3

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-039	20	160	17	35	1.0	2	1	293	7.83	9	5	19	2	40	1	3	2	141	.08	.13	5	7	1.67	188	.46	4	2.01	.01	1.07	1	20500
85-PD-040	8	1578	14	52	.5	14	16	772	9.16	11	5	ND	2	29	2	4	2	252	.59	.23	2	24	3.12	263	.31	4	3.80	.01	1.17	1	150
85-PD-041	6	511	12	45	.5	11	11	535	6.69	11	5	ND	1	50	1	3	2	141	.37	.16	5	21	1.42	48	.13	2	2.36	.01	.14	1	200
85-PD-042	5	2545	15	61	.4	12	15	980	6.92	12	5	ND	3	23	1	2	2	152	.60	.23	4	27	2.59	113	.21	2	3.36	.01	.67	1	210
85-PD-043	9	266	19	52	.6	8	5	764	8.37	10	5	ND	1	36	1	2	2	108	.27	.26	4	11	1.23	34	.17	2	1.79	.01	.09	1	175
85-PD-044	3	292	9	40	.9	8	12	431	5.66	8	5	ND	1	28	1	2	2	104	.35	.28	2	9	1.82	181	.18	2	2.45	.01	.59	1	23
85-PD-045	2	212	10	17	.8	3	1	216	4.24	6	5	ND	1	27	1	2	2	107	.13	.09	3	12	.32	29	.23	2	.93	.01	.06	1	180
85-PD-046	5	454	39	44	1.2	9	3	398	4.28	7	5	ND	1	20	1	2	2	145	.26	.16	2	14	1.51	22	.26	2	2.26	.01	.07	1	240
85-PD-047	11	240	11	39	1.1	6	5	647	6.13	8	5	ND	1	30	1	2	2	147	.16	.16	2	22	1.27	66	.24	2	2.20	.01	.32	1	150
85-PD-048	6	239	14	39	.3	7	6	451	7.22	8	5	ND	1	16	1	2	2	174	.07	.07	2	20	1.84	44	.36	2	2.57	.01	.19	1	135
85-PD-049	4	374	21	50	.5	11	6	693	8.29	9	5	ND	1	33	1	2	2	202	.16	.11	5	30	1.71	35	.19	2	2.59	.01	.17	1	170
85-PD-050	6	175	7	32	.1	8	5	316	8.90	8	5	ND	1	26	1	2	2	186	.11	.07	3	23	1.05	59	.25	2	1.94	.01	.11	1	610
85-PD-051	6	140	14	19	.5	4	4	318	6.21	6	5	ND	1	35	1	6	2	123	.17	.31	6	18	.46	70	.23	2	1.17	.01	.24	1	700
85-PD-052	9	173	16	38	.2	6	1	349	9.41	9	5	ND	1	46	1	2	2	147	.17	.11	2	30	1.68	45	.28	2	2.56	.01	.11	1	130
STD C/AU 0.5	21	58	40	137	6.9	72	23	1187	3.87	39	17	7	34	49	16	15	19	58	.46	.14	35	57	.88	173	.08	38	1.73	.05	.10	11	480

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 20 GM SAMPLE.

DATE RECEIVED: AUG 26 1985 DATE REPORT MAILED: Aug 30/85 ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT - C1016 FILE # 85-2052

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-001	41	415	29	38	1.7	10	43	542	15.80	22	7	24	4	19	1	2	6	120	.16	.26	3	6	.88	262	.20	2	1.04	.01	.12	2	22100
85-PD-002	4	327	2	46	.3	9	14	471	7.80	9	5	ND	1	24	1	2	2	285	.36	.26	2	26	2.71	121	.23	2	3.44	.01	.44	2	74
85-PD-053	13	411	3	40	.5	6	11	413	7.27	8	5	ND	2	31	1	2	3	165	.53	.42	2	10	2.47	211	.26	2	2.96	.01	.56	1	70
85-PD-054	26	365	14	42	.2	8	30	720	7.84	11	5	ND	2	41	1	3	3	156	.44	.44	3	10	2.31	221	.33	2	2.68	.01	.51	2	31
85-PD-055	13	593	9	46	.4	10	22	596	8.94	13	5	3	1	49	1	2	2	166	.77	.38	2	7	3.02	596	.33	2	3.40	.01	.79	2	5920
85-PD-056	60	1640	17	41	.9	17	80	403	13.00	22	5	ND	2	63	1	2	13	103	.48	.50	5	6	1.90	101	.23	2	2.70	.01	.30	2	180
85-PD-057	4	59	5	22	.1	6	3	131	5.93	3	5	ND	1	37	1	2	6	110	.40	.07	5	9	1.11	151	.43	2	1.95	.01	.43	1	19
85-PD-058	3	54	2	20	.1	5	3	164	6.12	6	5	ND	1	14	1	2	7	108	.15	.07	5	6	1.26	71	.22	2	2.55	.01	.19	1	390
85-PD-059	6	199	7	37	.1	10	10	311	6.56	9	5	ND	2	30	1	2	5	138	.31	.30	3	14	1.56	77	.12	2	3.03	.01	.16	2	33
85-PD-060	2	97	5	34	.1	9	7	285	6.83	7	5	ND	1	24	1	2	3	140	.45	.25	3	14	2.07	121	.20	2	3.34	.01	.31	1	23
85-PD-061	3	207	6	36	.1	8	8	343	6.63	2	5	ND	1	19	1	2	3	133	.32	.21	2	11	2.06	147	.18	2	3.26	.01	.37	1	28
85-PD-062	4	157	2	23	.6	5	11	200	5.93	5	5	ND	1	24	1	2	2	121	.25	.17	3	8	1.10	46	.08	2	3.02	.01	.10	2	130
85-PD-063	4	492	6	29	.3	7	23	491	5.94	6	5	ND	1	25	1	2	2	111	.29	.27	2	7	1.27	88	.06	2	2.95	.01	.13	1	75
85-PD-064	4	92	6	17	.2	4	6	314	6.04	8	5	ND	1	21	1	2	2	158	.20	.38	9	14	.44	22	.10	2	2.78	.01	.03	2	70
85-PD-065	4	75	10	13	.3	5	4	141	6.99	4	5	ND	2	38	1	2	2	184	.23	.09	7	19	.14	23	.25	2	1.73	.01	.03	1	125
85-PD-066	4	54	6	13	.4	3	3	171	4.47	5	5	ND	1	30	1	2	2	119	.14	.08	6	11	.26	22	.08	2	1.53	.01	.03	1	110
85-PD-067	4	123	6	19	.7	4	5	155	4.98	5	5	ND	1	26	1	2	2	122	.15	.07	7	13	.44	23	.08	2	1.85	.01	.02	1	60
85-PD-068	3	40	7	20	.1	4	5	277	4.34	2	5	ND	1	24	1	2	2	94	.14	.10	8	12	.40	34	.09	2	1.47	.01	.05	1	33
85-PD-069	3	67	11	12	.2	4	4	230	5.80	5	5	ND	2	22	1	2	2	138	.13	.30	6	18	.13	24	.09	2	1.76	.01	.02	1	145
85-PD-070	5	431	13	43	.1	9	12	462	6.46	9	5	ND	1	50	1	2	2	162	.31	.15	6	18	1.09	71	.09	2	2.26	.01	.04	2	115
85-PD-071	4	270	10	36	.1	9	11	342	6.73	8	5	ND	1	42	1	2	2	162	.32	.15	5	19	1.18	45	.12	2	2.27	.01	.06	2	150
85-PD-072	4	110	6	26	.1	5	7	247	5.56	6	5	ND	1	25	1	2	2	155	.22	.20	6	12	1.24	47	.09	2	2.45	.01	.08	1	27
85-PD-073	7	590	3	25	.1	11	44	963	4.78	9	5	ND	2	11	1	3	2	59	.15	.27	4	10	.65	68	.01	2	3.27	.01	.09	2	44
85-PD-074	5	371	7	38	.2	8	18	391	7.41	10	5	ND	1	29	1	2	3	174	.33	.22	5	15	1.97	65	.20	4	3.26	.01	.06	2	25
85-PD-075	8	889	2	45	.4	10	40	580	7.63	9	5	ND	2	36	1	5	3	194	.64	.37	5	12	2.52	183	.25	17	3.74	.01	.53	2	44
85-PD-076	34	199	7	11	.2	8	25	255	9.45	7	5	ND	4	11	1	2	3	32	.10	.54	2	5	.29	27	.14	2	1.57	.01	.04	1	22
85-PD-077	32	348	7	23	.3	9	28	290	9.06	8	5	ND	3	29	1	2	9	74	.24	.42	9	9	1.05	48	.14	3	2.33	.01	.08	1	16
85-PD-078	5	1406	10	46	.1	11	17	454	7.57	6	5	ND	1	40	1	2	2	195	.44	.24	4	28	2.19	114	.23	3	3.22	.01	.51	2	70
85-PD-079	11	1711	55	64	.5	11	18	466	7.64	5	5	ND	2	10	1	3	2	124	.22	.29	2	23	2.38	104	.19	2	2.92	.01	.49	1	425
85-PD-083	8	264	10	37	.3	7	21	488	5.28	4	5	ND	2	19	1	3	2	125	.40	.34	4	6	2.68	156	.24	2	2.86	.01	.57	2	24
85-PD-084	41	354	20	37	.8	8	41	644	13.25	12	5	17	4	21	1	2	3	119	.19	.23	9	5	1.12	283	.31	3	1.23	.01	.15	2	16500
85-PD-085	9	688	2	33	.2	20	7	284	4.98	4	5	ND	2	20	1	8	2	77	.22	.14	13	14	.95	79	.11	3	2.09	.03	.06	2	300
85-PD-086	9	592	17	53	.2	12	23	1171	6.77	6	5	ND	2	48	1	2	2	165	.38	.27	11	24	1.91	87	.13	3	3.01	.01	.21	1	50
85-PD-087	7	595	4	53	.2	13	17	898	7.81	5	5	ND	3	25	1	2	2	197	.47	.61	6	36	2.55	129	.21	2	3.40	.01	.57	1	95
85-PD-088	6	947	13	45	.2	11	14	544	6.95	7	5	ND	2	30	1	2	2	206	.33	.16	4	32	2.53	53	.26	3	3.44	.01	.18	1	85
85-PD-089	3	308	7	41	.1	10	13	450	7.43	2	5	ND	1	25	1	2	2	285	.36	.25	6	22	2.54	108	.23	2	3.17	.01	.37	1	185
STD C/AU 0.5	21	58	37	132	6.9	70	23	1047	3.90	38	18	6	37	46	15	17	20	58	.48	.14	36	58	.88	173	.07	37	1.72	.05	.08	12	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-129	1	65	11	28	.8	5	5	249	4.94	2	5	ND	2	33	1	2	2	116	.18	.47	4	22	.76	102	.11	2	1.15	.02	.22	1	20
85-PD-130	1	133	57	60	.2	9	14	925	6.89	2	5	ND	1	44	1	2	2	208	.40	.30	5	40	2.06	114	.21	2	2.76	.01	.42	1	20
85-PD-131	1	257	32	67	.7	9	19	1080	7.66	8	5	ND	2	36	1	2	2	207	.51	.39	7	42	2.48	148	.23	2	3.37	.01	.67	1	42
85-PD-132	1	48	2	29	.7	2	6	399	5.44	3	5	ND	1	18	1	2	3	152	.14	.46	2	16	.75	33	.08	2	1.52	.02	.11	4	80
85-PD-133	1	201	16	87	.1	11	21	2056	7.56	2	5	ND	1	43	1	7	4	245	.53	.37	11	24	2.39	218	.16	3	2.64	.01	.53	1	190
85-PD-134	1	265	12	73	.1	13	22	1820	7.01	2	5	ND	7	36	1	2	2	178	.63	.30	7	40	2.39	393	.27	2	2.99	.01	.76	1	210
85-PD-135	1	240	20	73	.1	18	22	1727	6.47	2	5	ND	1	104	1	2	2	231	1.07	.33	12	40	2.63	332	.20	2	2.70	.02	.41	3	735
85-PD-136	1	230	9	72	.1	13	22	1858	7.13	3	5	ND	2	49	1	2	2	244	.63	.39	10	38	2.26	152	.17	2	2.71	.01	.40	3	245
85-PD-137	1	209	2	25	.1	5	3	204	3.55	2	5	ND	1	12	1	2	2	83	.15	.34	10	15	.39	53	.12	2	1.41	.07	.09	4	21
85-PD-138	1	127	4	55	.2	11	14	573	6.76	6	5	ND	1	43	1	3	2	213	.52	.49	9	40	1.71	80	.15	5	2.43	.02	.26	1	200
85-PD-139	1	162	8	65	.1	16	19	1566	5.52	10	5	ND	1	48	1	2	2	194	.58	.28	11	31	2.06	121	.12	8	2.31	.02	.28	2	70
85-PD-140	1	19	2	31	.1	5	4	464	2.82	2	5	ND	1	14	1	2	2	57	.19	.37	6	18	.49	61	.12	3	.82	.06	.12	1	65
85-PD-141	3	37	2	27	.5	3	2	162	1.35	3	5	ND	1	24	1	2	2	35	.38	.13	2	7	.15	97	.03	3	.27	.01	.05	2	12
85-PD-142	2	29	2	21	.9	3	3	195	3.34	2	5	ND	1	18	1	2	2	59	.17	.50	5	15	.32	34	.11	2	.68	.03	.08	1	17
85-PD-143	1	76	8	38	.1	7	10	394	4.87	2	5	ND	1	32	1	2	2	130	.40	.33	4	24	1.00	137	.10	2	1.26	.01	.18	1	52
85-PD-144	1	62	15	51	.1	10	15	1024	5.65	3	5	ND	1	43	1	2	2	169	.58	.34	6	20	1.49	127	.13	2	1.59	.02	.28	1	110
85-PD-145	1	47	3	30	.1	6	9	420	3.39	2	5	ND	2	65	1	2	2	107	.66	.19	2	9	.99	125	.10	3	1.02	.01	.17	2	44
85-PD-146	6	100	8	66	.1	15	20	1070	5.69	4	5	ND	1	218	1	2	2	228	2.04	.37	9	38	2.28	298	.12	5	2.31	.02	.20	2	56
85-PD-147	3	80	7	48	.1	9	19	1009	5.78	2	5	ND	1	149	1	2	2	224	1.19	.22	5	35	1.78	220	.13	2	1.90	.02	.15	2	56
85-PD-148	25	88	15	51	.1	9	22	709	7.33	10	5	ND	5	51	1	3	2	303	.57	.22	7	27	1.62	129	.18	4	2.43	.01	.07	6	115
85-PD-149	78	102	19	54	.1	5	27	1669	7.76	18	5	ND	3	49	1	2	2	295	.31	.49	12	29	1.08	83	.16	5	3.16	.01	.07	12	90
85-PD-150	60	43	15	23	.1	3	11	1193	7.50	14	5	ND	4	50	1	2	2	385	.28	.35	5	22	.53	53	.26	2	1.43	.01	.04	5	70
STD C/AU 0.5	21	62	40	135	7.1	69	28	1176	3.97	41	17	7	39	49	16	16	20	63	.48	.15	39	62	.88	178	.08	40	1.72	.07	.11	11	480

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

DATE RECEIVED: SEPT 17 1985 DATE REPORT MAILED: Sept. 25/85 ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT - C1016 FILE # 85-2410 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-151	3	421	10	68	.1	15	39	1067	7.54	9	5	ND	3	61	1	2	5	190	1.02	.45	16	42	3.28	443	.31	2	3.74	.01	1.14	1	55
85-PD-152	5	360	53	119	.2	13	51	1461	9.72	22	5	ND	3	37	1	2	4	176	.49	.38	15	35	2.46	165	.27	2	3.96	.01	.75	1	160
85-PD-153	17	377	39	108	.1	9	39	995	13.72	52	5	ND	2	49	2	2	3	128	.41	.29	17	28	2.14	111	.21	2	3.09	.01	.61	1	80
85-PD-154	2	217	16	68	.2	14	30	1050	7.61	8	5	ND	2	39	1	2	4	197	.43	.27	11	38	2.70	156	.27	2	3.93	.01	.82	1	26
85-PD-155	3	252	26	83	.2	11	37	1145	7.64	12	5	ND	2	46	1	2	3	168	.50	.28	12	35	2.42	144	.24	5	3.96	.01	.71	1	75
85-PD-156	14	121	13	22	.2	4	16	437	7.88	4	5	ND	1	20	1	2	2	151	.10	.65	6	15	.25	56	.11	2	.92	.01	.11	1	150
85-PD-157	1	353	10	75	.2	10	38	1135	6.61	12	5	ND	2	65	1	2	3	176	.66	.25	9	37	2.87	277	.23	2	3.39	.01	.84	1	27
85-PD-158	5	109	10	52	.1	9	26	847	8.70	17	5	ND	2	49	1	2	5	196	.53	.36	11	37	2.58	133	.24	2	3.28	.01	.60	1	42
85-PD-159	1	302	15	61	.1	13	43	1325	5.40	4	5	ND	1	68	1	2	4	154	.57	.22	10	30	2.09	127	.20	4	3.97	.01	.56	1	58
85-PD-160	3	192	21	85	.2	13	37	1192	7.83	20	5	ND	2	42	1	2	6	200	.53	.30	13	40	2.79	157	.25	2	3.98	.01	.84	1	51
STD C/AU-0.5	21	58	38	131	7.1	69	28	1131	3.91	37	18	7	36	50	17	15	21	56	.48	.15	38	59	.88	178	.07	38	1.72	.06	.11	11	510

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED OCT 8 1985

DATE REPORTS MAILED Oct 12, 1985

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOILS -80 MESH
AU* - 20GM IGNITED. HOT AQUA REGIA LEACHED. MIBK EXTRACTION. AA ANALYSIS.

ASSAYER _____ DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT C1016 FILE# 85-2712 PAGE# 1

SAMPLE	Au* ppb
85-PD-161	60
85-PD-162	16
85-PD-163	125
85-PD-164	26
85-PD-165	160
85-PD-166	390
85-PD-167	36
85-PD-168	28
85-PD-169	39
85-PD-170	32
85-PD-171	18
85-PD-172	155
85-PD-173	100
85-PD-174	9
85-PD-175	150
85-PD-176	260
85-PD-177	9
85-PD-178	5
85-PD-179	11
85-PD-180	150
85-PD-181	110
85-PD-182	50
85-PD-183	150
85-PD-184	75
85-PD-185	60
85-PD-186	17
85-PD-187	31
85-PD-188	23
85-PD-189	90
85-PD-190	80
85-PD-191	50
85-PD-192	60
85-PD-193	11
85-PD-194	23
85-PD-195	16
85-PD-196	160

SAMPLE	Au* ppb
85-PD-197	47
85-PD-198	19
85-PD-199	320
85-PD-200	275
85-PD-401	25
85-PD-402	30
85-PD-403	33
85-PD-404	75
85-PD-405	170
85-PD-406	250
85-PD-407	45
85-PD-408	205
85-PD-409	18
85-PD-410	65
85-PD-411	34
85-PD-412	17
85-PD-413	110
85-PD-414	13
85-PD-415	9
85-PD-416	24
85-PD-417	60
85-PD-418	17
85-PD-419	36

APPENDIX 4

E ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: AUG 31 1985

DATE REPORT MAILED: Sept. 4/85

ASSAY CERTIFICATE

SAMPLE TYPE: ROCK CHIPS AU** BY FIRE ASSAY

ASSAYER: V. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD FILE # 85-2163 PAGE 1

SAMPLE#	Cu %	Au** OZ/T
PD-1000	.13	.095
PD-1001	.02	.028
PD-1002	.01	.036
PD-1003	.01	.133
PD-1004	.01	.298
PD-1005	.01	.140
PD-1006	.01	.291
PD-1007	.01	.060
PD-1008	.01	.120
PD-1009	.01	.171
PD-1010	.03	.170

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 6 1985

DATE REPORTS MAILED Sept 10/85

ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH. PR-3 Rocks
** AU** (1 A/T) BY FIRE ASSAY

ASSAYER T. Saundry DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT C1016 FILE# 85-2246 PAGE# 1

SAMPLE	Cu %	Au** oz/t
85-PD-1011	.01	.089
85-PD-1012	.01	.118
85-PD-1013	.01	.129
85-PD-1014	.01	.334
85-PD-1015	.01	.024
85-PD-1016	.01	.083
85-PD-1017	.02	.116
85-PD-1018	.01	.142
85-PD-1019	.01	.028
85-PD-1020	.01	.002
85-PD-1021	.01	.007
85-PD-1022	.01	.002
85-PD-1023	.01	.001
85-PD-1024	.01	.001
85-PD-1025	.09	.005
85-PD-1026	.12	.012
85-PD-1027	.05	.007
85-PD-1028	.03	.004
85-PD-1029	.02	.014
85-PD-1030	.01	.013
85-PD-1031	.16	.293
85-PD-1032	.03	.027
85-PD-1033	.25	.153
85-PD-1034	.29	.142
85-PD-1035	.01	.183
85-PD-1036	.26	.165
85-PD-1037	.07	.061
85-PD-1038	.03	.018

SAMPLE#	Cu %	Au** OZ/T
85-PD-1039	.03	.004
85-PD-1040	.04	.011
85-PD-1041	.13	.008
85-PD-1042	.03	.026
85-PD-1043	.03	.010
85-PD-1044	.05	.083
85-PD-1045	.01	.103
85-PD-1046	.01	.175
85-PD-1047	.01	.078
85-PD-1048	.01	.137
85-PD-1049	.01	.063
85-PD-1050	.01	.100
85-PD-1051	.02	.026
85-PD-1052	.01	.016
85-PD-1053	.01	.119
85-PD-1054	.01	.125
85-PD-1055	.01	.180
85-PD-1056	.01	.350
85-PD-1057	.01	.005
85-PD-1058	.08	.035
85-PD-1059	.02	.003
85-PD-1060	.05	.011
85-PD-1061	.19	.015
85-PD-1062	.11	.006
85-PD-1063	.29	.042
85-PD-1064	.24	.008
85-PD-1065	.07	.006
85-PD-1066	.10	.002
85-PD-1067	.19	.004
85-PD-1068	.26	.007
85-PD-1069	.07	.001
85-PD-1070	.19	.002
85-PD-1071	.32	.003
85-PD-1072	.15	.006
85-PD-1073	.08	.001
85-PD-1074	.19	.003

SAMPLE#	Cu %	Au** OZ/T
85-PD-1075	.04	.001
85-PD-1076	.10	.006
85-PD-1077	.07	.003
85-PD-1078	.07	.001
85-PD-1079	.05	.001
85-PD-1080	.03	.001
85-PD-1129	.05	.004
85-PD-1130	.11	.005
85-PD-1131	.14	.057
85-PD-1132	.57	.162
85-PD-1133	.06	.003
85-PD-1134	.08	.003
85-PD-1135	.10	.004
85-PD-1136	.07	.004
85-PD-1137	.06	.009
85-PD-1138	.03	.006
85-PD-1139	.68	.146
85-PD-1140	.04	.019
85-PD-1141	.96	.015
85-PD-1142	.09	.005
85-PD-1143	.36	.022
85-PD-1144	.11	.003
85-PD-1145	.09	.005
85-PD-1146	.03	.001
85-PD-1147	.04	.007
85-PD-1148	.14	.006
85-PD-1149	.37	.007
85-PD-1150	.02	.006
85-PD-1151	.05	.008
85-PD-1152	.05	.126
85-PD-1153	.04	.134
85-PD-1154	.01	.082
85-PD-1155	.01	.060
85-PD-1156	.01	.001
85-PD-1157	.01	.006
85-PD-1158	.06	.101

SAMPLE#	Cu %	Au** OZ/T
85-PD-1118	.02	.001
85-PD-1119	.01	.001
85-PD-1120	.02	.013
85-PD-1121	.04	.001
85-PD-1122	.20	.009
85-PD-1123	.27	.010
85-PD-1124	.19	.014
85-PD-1125	.03	.010
85-PD-1126	.06	.001
85-PD-1127	.09	.011
85-PD-1128	.07	.004

ME ANALYTICAL LABORATORIES LTD.
652 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 10 1985

DATE REPORT MAILED: Sept. 11/85

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** (1 A/T) BY FIRE ASSAY

ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT - C1016 FILE # 85-2306 PAGE 1

SAMPLE#	Cu %	Au** OZ/T
85-PD-1081	.04	.001
85-PD-1082	.06	.001
85-PD-1083	.02	.001
85-PD-1084	.05	.001
85-PD-1085	.04	.001
85-PD-1086	.02	.001
85-PD-1087	.13	.118
85-PD-1088	.31	.144
85-PD-1089	.25	.056
85-PD-1090	.15	.017
85-PD-1091	.16	.004
85-PD-1092	.45	.009
85-PD-1093	.32	.008
85-PD-1094	.32	.081
85-PD-1095	.37	.012
85-PD-1096	.21	.010
85-PD-1097	.14	.009
85-PD-1098	.28	.010
85-PD-1099	.13	.003
85-PD-1100	.13	.005
85-PD-1101	.04	.001
85-PD-1102	.43	.009
85-PD-1103	.33	.009
85-PD-1104	.24	.007
85-PD-1105	.21	.003
85-PD-1106	.15	.006
85-PD-1107	.10	.003
85-PD-1108	.06	.001
85-PD-1109	.09	.001
85-PD-1110	.06	.001
85-PD-1111	.03	.001
85-PD-1112	.02	.002
85-PD-1114	.02	.001
85-PD-1115	.02	.001
85-PD-1116	.02	.001
85-PD-1117	.03	.001

SAMPLE#	Cu %	Au** OZ/T
85-PD-1159	.16	.198
85-PD-1160	.09	.006
85-PD-1161	.05	.010
85-PD-1162	.04	.003
85-PD-1163	.09	.001
85-PD-1164	.03	.001
85-PD-1165	.04	.001
85-PD-1166	.05	.001
85-PD-1167	.05	.001
85-PD-1168	.05	.001
85-PD-1169	.08	.001
85-PD-1170	.09	.001
85-PD-1171	.24	.004
85-PD-1172	.02	.001
85-PD-1173	.04	.007
85-PD-1174	.07	.001
85-PD-1175	.06	.001
85-PD-1176	.20	.002
85-PD-1177	.10	.001
85-PD-1178	.13	.002
85-PD-1179	.59	.006
85-PD-1180	.10	.002
85-PD-1181	.10	.001
85-PD-1182	.01	.001
85-PD-1183	.13	.001
85-PD-1184	.23	.004
85-PD-1185	.08	.001
85-PD-1186	.07	.001
85-PD-1187	.03	.001
85-PD-1188	.04	.001
85-PD-1189	.07	.001
85-PD-1190	.11	.001
85-PD-1191	.12	.005
85-PD-1192	.01	.001
85-PD-1193	.03	.001
85-PD-1194	.14	.003

SAMPLE#	Cu %	Au** OZ/T
85-PD-1195	.08	.005
85-PD-1196	.21	.007
85-PD-1197	.09	.004
85-PD-1198	.14	.001
85-PD-1199	1.04	.022
85-PD-1200	.34	.005
85-PD-1201	.23	.005
85-PD-1202	.08	.001
85-PD-1203	.11	.001
85-PD-1204	.22	.003
85-PD-1205	.02	.001
85-PD-1206	.03	.001
85-PD-1207	.02	.001
85-PD-1208	.02	.001
85-PD-1209	.02	.001
85-PD-1210	.02	.001
85-PD-1211	.01	.001
85-PD-1212	.03	.001
85-PD-1213	.02	.001
85-PD-1214	.02	.001
85-PD-1215	.01	.001
85-PD-1216	.01	.001
85-PD-1217	.05	.005
85-PD-1218	.05	.001
85-PD-1219	.07	.003
85-PD-1220	.05	.001
85-PD-1221	.03	.001
85-PD-1222	.01	.005
85-PD-1223	.01	.090
85-PD-1224	.01	.330
85-PD-1225	.01	.390
85-PD-1226	.01	.390
85-PD-1227	.01	.348
85-PD-1228	.01	.011
85-PD-1229	.07	.009
85-PD-1230	.01	.001

SAMPLE#	Cu %	Au** OZ/T
85-PD-1231	.08	.001
85-PD-1232	.06	.004
85-PD-1233	.03	.001
85-PD-1234	.02	.001
85-PD-1235	.05	.001
85-PD-1236	.10	.001
85-PD-1237	.06	.001
85-PD-1238	.09	.001
85-PD-1239	.21	.012
85-PD-1240	.19	.005
85-PD-1241	.31	.009
85-PD-1242	.07	.004
85-PD-1243	.09	.001
85-PD-1244	.13	.001
85-PD-1245	.01	.001
85-PD-1246	.12	.001
85-PD-1247	.02	.001
85-PD-1248	.01	.011
85-PD-1249	.03	.001
85-PD-1250	.02	.001
85-PD-1251	.02	.001
85-PD-1252	.01	.001
85-PD-1253	.01	.001
85-PD-1254	.01	.001
85-PD-1255	.01	.001
85-PD-1256	.01	.001
85-PD-1257	.01	.001
85-PD-1258	.01	.001
85-PD-1259	.01	.001
85-PD-1260	.01	.001
85-PD-1261	.01	.001
85-PD-1262	.01	.001
85-PD-1263	.01	.001
85-PD-1264	.01	.001
85-PD-1265	.01	.001
85-PD-1266	.01	.001

ME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 17 1985

DATE REPORT MAILED: Sept. 23/85

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** BY FIRE ASSAY BY 1 A/T.

P. 4 - Rock.

ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT - C1016 FILE # 85-2410A PAGE 1

SAMPLE#	Cu %	Au** OZ/T
85-PD-1288	.01	.001
85-PD-1289	.15	.005
85-PD-1290	.05	.004
85-PD-1291	.04	.001
85-PD-1292	.04	.003
85-PD-1293	.09	.001
85-PD-1294	.05	.001
85-PD-1295	.01	.001
85-PD-1296	.01	.001
85-PD-1297	.01	.001
85-PD-1298	.01	.001
85-PD-1299	.01	.001
85-PD-1300	.01	.001
85-PD-1301	.02	.001
85-PD-1302	.01	.001
85-PD-1303	.01	.001
85-PD-1304	.01	.001
85-PD-1305	.01	.004
85-PD-1306	.01	.001
85-PD-1307	.01	.001
85-PD-1308	.01	.001
85-PD-1309	.01	.001
85-PD-1310	.02	.001
85-PD-1311	.01	.001
85-PD-1312	.01	.001
85-PD-1313	.01	.001
85-PD-1314	.01	.001
85-PD-1315	.01	.001
85-PD-1316	.01	.001
85-PD-1317	.01	.001
85-PD-1318	.01	.001
85-PD-1319	.01	.001
85-PD-1320	.01	.001
85-PD-1321	.01	.001
85-PD-1322	.03	.001
85-PD-1323	.03	.031

SAMPLE#	Cu %	Au** OZ/T
85-PD-1324	.01	.001
85-PD-1325	.01	.003
85-PD-1326	.01	.029
85-PD-1327	.01	.033
85-PD-1328	.03	.004
85-PD-1329	.01	.048
85-PD-1330	.01	.144
85-PD-1331	.01	.182
85-PD-1332	.01	.122
85-PD-1333	.02	.038
85-PD-1334	.01	.075
85-PD-1335	.01	.019
85-PD-1336	.01	.062
85-PD-1337	.13	.066
85-PD-1338	.04	.143
85-PD-1339	.01	.140
85-PD-1340	.01	.005
85-PD-1341	.10	.060
85-PD-1342	.03	.041
85-PD-1343	.01	.089
85-PD-1344	.01	.110
85-PD-1345	.01	.142
85-PD-1346	.16	.107
85-PD-1347	.02	.019
85-PD-1348	.01	.009
85-PD-1349	.20	.034
85-PD-1350	.05	.001
85-PD-1351	.03	.002
85-PD-1352	.03	.001
85-PD-1353	.18	.023
85-PD-1354	.01	.001
85-PD-1355	.02	.001
85-PD-1356	.02	.001
85-PD-1357	.02	.001
85-PD-1358	.01	.001
85-PD-1359	.04	.001

SAMPLE#	Cu %	Au** OZ/T
85-PD-1360	.04	.001
85-PD-1361	.03	.001
85-PD-1362	.02	.001
85-PD-1363	.02	.001
85-PD-1364	.01	.001
85-PD-1365	.02	.001
85-PD-1366	.04	.001
85-PD-1367	.01	.001
85-PD-1368	.01	.001
85-PD-1369	.01	.001
85-PD-1370	.01	.002
85-PD-1371	.01	.001
85-PD-1372	.01	.001
85-PD-1373	.01	.035
85-PD-1374	.01	.060
85-PD-1375	.01	.075
85-PD-1376	.02	.002
85-PD-1377	.01	.001
85-PD-1378	.01	.005
85-PD-1379	.01	.001
85-PD-1380	.01	.001
85-PD-1381	.01	.002
85-PD-1382	.01	.007
85-PD-1383	.01	.052
85-PD-1384	.01	.020
85-PD-1385	.03	.007
85-PD-1386	.02	.001
85-PD-1387	.04	.001
85-PD-1388	.11	.001
85-PD-1389	.06	.003
85-PD-1390	.08	.001
85-PD-1391	.07	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
ONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 23 1985

DATE REPORT MAILED: Oct.1/85.

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** BY FIRE ASSAY (1 A/T)

ASSAYER: DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS.SILVER STANDARD PROJECT - C1016 FILE # 85-2478

SAMPLE#	Cu %	Au** OZ/T
85-PD-1392	.02	.001
85-PD-1393	.01	.001
85-PD-1394	.01	.001
85-PD-1395	.02	.001
85-PD-1396	.02	.001
85-PD-1397	.02	.001
85-PD-1398	.01	.001
85-PD-1399	.01	.001
85-PD-1400	.03	.001
85-PD-1401	.06	.001
85-PD-1402	.01	.001
85-PD-1403	.02	.001
85-PD-1404	.04	.002
85-PD-1405	.02	.001
85-PD-1406	.02	.001
85-PD-1407	.02	.003
85-PD-1408	.01	.001
85-PD-1409	.01	.001
85-PD-1410	.09	.002
85-PD-1411	.01	.001
85-PD-1412	.01	.001
85-PD-1413	.01	.001
85-PD-1414	.01	.001
85-PD-1415	.01	.001
85-PD-1416	.01	.001
85-PD-1417	.01	.001
85-PD-1418	.01	.001
85-PD-1419	.01	.001
85-PD-1420	.01	.001
85-PD-1421	.01	.001
85-PD-1422	.01	.003
85-PD-1423	.01	.001
85-PD-1424	.01	.001
85-PD-1425	.01	.001
85-PD-1426	.01	.017
85-PD-1427	.01	.004

SAMPLE#	Cu %	Au** OZ/T
85-PD-1428	.01	.001
85-PD-1429	.01	.001
85-PD-1430	.01	.002
85-PD-1431	.01	.002
85-PD-1432	.01	.001
85-PD-1433	.01	.001
85-PD-1434	.01	.001
85-PD-1435	.01	.001
85-PD-1436	.01	.001
85-PD-1437	.01	.006
85-PD-1438	.01	.001
85-PD-1439	.01	.001
85-PD-1440	.01	.001
85-PD-1441	.01	.001
85-PD-1442	.01	.001
85-PD-1443	.01	.001
85-PD-1444	.01	.001
85-PD-1445	.01	.001
85-PD-1446	.01	.001
85-PD-1447	.01	.001
85-PD-1448	.01	.003
85-PD-1449	.01	.001
85-PD-1450	.01	.001
85-PD-1451	.01	.002
85-PD-1452	.01	.003
85-PD-1453	.01	.001
85-PD-1454	.02	.003
85-PD-1455	.17	.034
85-PD-1456	.01	.030
85-PD-1457	.04	.015
85-PD-1458	.01	.027
85-PD-1459	.12	.031
85-PD-1460	.10	.308
85-PD-1461	.09	.598
85-PD-1462	.08	.010
85-PD-1463	.79	.036

SAMPLE#	Cu %	Au** OZ/T
85-PD-1464	.30	.005
85-PD-1465	.11	.013
85-PD-1466	.60	.049
85-PD-1467	.24	.024
85-PD-1468	.21	.033
85-PD-1469	.05	.007
85-PD-1470	.02	.005
85-PD-1471	.06	.078
85-PD-1472	.01	.005
85-PD-1473	.02	.001
85-PD-1474	.04	.001
85-PD-1475	.01	.001
85-PD-1476	.01	.001
85-PD-1477	.01	.001
85-PD-1478	.01	.001
85-PD-1479	.02	.001
85-PD-1480	.01	.001
85-PD-1481	.01	.001
85-PD-1482	.01	.001
85-PD-1483	.01	.001
85-PD-1484	.01	.001
85-PD-1485	.01	.013
85-PD-1486	.01	.010
85-PD-1487	.01	.084
85-PD-1488	.01	.065
85-PD-1489	.01	.084
85-PD-1490	.01	.096
85-PD-1491	.01	.049
85-PD-1492	.02	.003
85-PD-1493	.01	.030
85-PD-1494	.11	.026
85-PD-1495	.24	.113
85-PD-1496	.41	.082
85-PD-1497	.61	.117
85-PD-1498	.03	.049
85-PD-1499	.50	.047

SAMPLE#	Cu %	Au** OZ/T
85-PD-1500	1.76	.476
85-PD-1501	.61	.080
85-PD-1502	.83	.169
85-PD-1503	.34	.053
85-PD-1504	.65	.158
85-PD-1505	.26	.060
85-PD-1506	.04	.001
85-PD-1507	.01	.001
85-PD-1508	.01	.001
85-PD-1509	.02	.001
85-PD-1510	.06	.001
85-PD-1511	.04	.002
85-PD-1512	.05	.009
85-PD-1513	.08	.004
85-PD-1514	.04	.001
STD R-1	.89	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED OCT 16 1985

DATE REPORTS MAILED Oct 22/85

ASSAY CERTIFICATE

SAMPLE TYPE : CORES AND ROCKS
AU** BY FIRE ASSAY (1 A/T)

ASSAYER D Toye DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CONS. SILVER STANDARD PROJECT C1016 FILE# 85-2821 PAGE# 1

SAMPLE	Au** oz/t
85-PD-1515	.001
85-PD-1516	.001
85-PD-1517	.001
85-PD-1518	.002
85-PD-1519	.002
85-PD-1520	.001
85-PD-1521	.033
85-PD-1522	.003
85-PD-1523	.086
85-PD-1524	.001
85-PD-1525	.025
85-PD-1526	.002
85-PD-1527	.001
85-PD-1528	.004
85-PD-1529	.001
85-PD-1530	.002
85-PD-1531	.002
85-PD-1532	.001
85-PD-1533	.001
85-PD-1534	.001
85-PD-1535	.002
85-PD-1536	.056
85-PD-1537	.058
85-PD-1538	.036
85-PD-1539	.191
85-PD-1540	.013
85-PD-1541	.004
85-PD-1542	.001
85-PD-1543	.021
85-PD-1544	.002
85-PD-1545	.003
85-PD-1546	.005
85-PD-1547	.001
85-PD-1548	.009
85-PD-1549	.012
85-PD-1550	.005

SAMPLE	Au** oz/t
85-PD-1551	.001
85-PD-1552	.001
85-PD-1553	.001
85-PD-1554	.001
85-PD-1555	.016
85-PD-1556	.011
85-PD-1557	.002
85-PD-1558	.003
85-PD-1559	.001
85-PD-1560	.162
85-PD-1561	.001
85-PD-1562	.039
85-PD-1563	.022
85-PD-1564	.035
85-PD-1565	.003
85-PD-1566	.001
85-PD-1567	.003
85-PD-1568	.011
85-PD-1569	.003
85-PD-1570	.001
85-PD-1571	.001
85-PD-1572	.001
85-PD-1573	.007
85-PD-1574	.001
85-PD-1575	.001
85-PD-1576	.007
85-PD-1577	.008
85-PD-1578	.001
85-PD-1579	.001
85-PD-1580	.027
85-PD-1581	.003
85-PD-1582	.030
85-PD-1583	.007
85-PD-1584	.001
85-PD-1585	.001
85-PD-1586	.001

SAMPLE	Au** oz/t
85-PD-1587	.033
85-PD-1588	.013
85-PD-1589	.012
85-PD-1590	.009
85-PD-1591	.031
85-PD-1592	.026
85-PD-1593	.068
85-PD-1594	.138
85-PD-1595	.072
85-PD-1596	.226
85-PD-1597	.290
85-PD-1598	.215
85-PD-1599	.125
85-PD-1600	.015
85-PD-1601	.002
85-PD-1602	.019
85-PD-1603	.005
85-PD-1604	.002
85-PD-1605	.001

1E ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 14 1985

DATE REPORT MAILED: Sept. 18/85

ASSAY CERTIFICATE

SAMPLE TYPE: ROCKS & CORES AU** BY FIRE ASSAY (1 A/T)

ASSAYER: V. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CONS.SILVER STANDARD PROJECT - C1016 FILE # 85-2372 PAGE 1

SAMPLE#	Cu %	Au** OZ/T
85-PD-251	.01	.001
85-PD-252	.02	.006
85-PD-253	.01	.001
85-PD-254	.03	.003
85-PD-255	.01	.001
85-PD-257	.01	.001
85-PD-258	.03	.002
85-PD-259	.48	.014
85-PD-260	.37	.001
85-PD-261	1.59	.036
85-PD-262	.01	.001
85-PD-263	.01	.004
85-PD-264	.15	.012
85-PD-265	.01	.007
85-PD-266	.05	.001
85-PD-268	1.33	.003
85-PD-269	.83	.009
85-PD-270	6.36	.036
85-PD-271	.03	.001
85-PD-272	.29	.006
85-PD-273	.02	.401
85-PD-274	.24	.043
85-PD-275	.06	.003
85-PD-276	.26	.012
85-PD-277	.23	.006
85-PD-278	.06	.002
85-PD-279	.02	.001
85-PD-280	.13	.003
85-PD-742	.01	.231
85-PD-743	.01	.175
85-PD-744	.15	1.210
85-PD-1113	.03	.011

SAMPLE	Au** oz/t
85-PD-256	.009
85-PD-288	.038
85-PD-289	.011
85-PD-290	.001
85-PD-291	.001
85-PD-292	.001
85-PD-293	.001
85-PD-294	.001
85-PD-295	.001
85-PD-296	.004
85-PD-297	.001
85-PD-298	.001
85-PD-299	.004
85-PD-300	.001
85-PD-301	.001
85-PD-302	.001
85-PD-303	.001
85-PD-304	.001
85-PD-305	.001
85-PD-306	.001
85-PD-307	.001
85-PD-308	.001
85-PD-309	.001
85-PD-310	.002
85-PD-311	.001
85-PD-312	.001
85-PD-313	.002
85-PD-314	.002
85-PD-315	.001
85-PD-316	.001
85-PD-317	.001
85-PD-318	.033
85-PD-319	.022
85-PD-320	.026
85-PD-321	.202
85-PD-322	.009

SAMPLE	Au** oz/t
85-PD-323	.001
85-PD-324	.001
85-PD-325	.001
85-PD-326	.009
85-PD-327	.001
85-PD-328	.001
85-PD-329	.001
85-PD-330	.006
85-PD-331	.004
85-PD-332	.001
85-PD-333	.001
85-PD-334	.001
85-PD-335	.001
85-PD-336	.003
85-PD-337	.053
85-PD-338	.001
85-PD-339	.026
85-PD-340	.005
85-PD-341	.078
85-PD-342	.270
85-PD-343	.003
85-PD-344	.068
85-PD-345	.294
85-PD-346	.063
85-PD-347	.005
85-PD-348	.006
85-PD-349	.008
85-PD-350	.003
85-PD-351	.009
85-PD-352	.002
85-PD-353	.003
85-PD-354	.002
85-PD-355	.035
85-PD-356	.002
85-PD-607	.001
85-PD-608	.001

SAMPLE	Au** oz/t
85-PD-609	.001
85-PD-610	.001
85-PD-611	.001
85-PD-612	.001
85-PD-613	.001
85-PD-614	.025
85-PD-615	.001
85-PD-616	.001
85-PD-617	.001
85-PD-621	.001
85-PD-622	.001
85-PD-630	.092
85-PD-634	.001
85-PD-635	.001
85-PD-636	.001
85-PD-637	.001
85-PD-638	.003
85-PD-639	.001
85-PD-640	.001

SAMPLE#	Cu %	Au** OZ/T
85-PD-745	.03	.003
85-PD-747	.05	.005
85-PD-748	.05	.001
85-PD-749	.06	.007
85-PD-750	.09	.012
85-PD-751	.09	.004
85-PD-752	.12	.001
85-PD-753	.10	.002
85-PD-754	.24	.013
85-PD-755	.24	.007
85-PD-756	.98	.079
85-PD-757	.24	.011
85-PD-758	.13	.006
85-PD-759	.31	.012
85-PD-760	.29	.010
85-PD-269	.01	.001
85-PD-281	.02	.001
85-PD-282	.02	.001
85-PD-283A	.01	.001
85-PD-283B	.10	.013
85-PD-284A	.01	.001
85-PD-284B	.02	.001
85-PD-285A	.01	.001
85-PD-285B	.16	.030
85-PD-286A	.01	.003
85-PD-286B	.03	.003
85-PD-286C	.34	.007
85-PD-287	.03	.002

SAMPLE	Cu %	Au** oz/t
85-PD-600	.01	.001
85-PD-601	.01	.001
85-PD-602	.03	.006
85-PD-603	.05	.001
85-PD-604	.01	.023
85-PD-701	.01	.155
85-PD-702	.09	.049
85-PD-703	.02	.043
85-PD-704	.01	.014
85-PD-705	.01	.316
85-PD-706	.01	.133
85-PD-707	.01	.207
85-PD-708	.01	.004
85-PD-709	.11	.004
85-PD-710	.03	.003
85-PD-711	.01	.001
85-PD-712	.01	.001
85-PD-713	.01	.012
85-PD-714	.01	.001
85-PD-715	.01	.001
85-PD-716	.01	.005
85-PD-717	.01	.004
85-PD-718	.01	.252
85-PD-719	.01	.056
85-PD-720	.01	.084
85-PD-721	.01	.005
85-PD-722	.01	.034
85-PD-723	.01	.257
85-PD-724	.01	.002
85-PD-725	.01	.001
85-PD-726	.01	.002
85-PD-727	.01	.001
85-PD-728	.01	.001
85-PD-729	.01	.001
85-PD-730	.01	.001
85-PD-731	.01	.004

SAMPLE#	Cu %	Au** OZ/T
85-PD-732	.03	.002
85-PD-733	.04	.001
85-PD-734	.01	.001
85-PD-735	.01	.001
85-PD-736	.01	.003
85-PD-737	.01	.010
85-PD-738	.01	.027
85-PD-739	.01	.031
85-PD-740	.01	.043
85-PD-741	.01	.169

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : CONSOLIDATED SILVER STANDARD MINES LIMITED

11th Floor, 1199 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 3T5

ATTN: R.A. QUARTERMAIN

CERT. # : A8517188-001-A
INVOICE # : I8517188
DATE : 14-OCT-85
P.O. # : NONE

Sample description	Prep code	Au FA oz/T					
PD-1000	207	0.070	--	--	--	--	--
PD-1001	207	0.034	--	--	--	--	--
PD-1002	207	0.058	--	--	--	--	--
PD-1003	207	0.224	--	--	--	--	--
PD-1004	207	0.346	--	--	--	--	--
PD-1005	207	0.122	--	--	--	--	--
PD-1006	207	0.224	--	--	--	--	--
PD-1007	207	0.038	--	--	--	--	--
PD-1008	207	0.066	--	--	--	--	--
PD-1009	207	0.124	--	--	--	--	--
PD-1010	207	0.134	--	--	--	--	--
PD-1011	207	0.070	--	--	--	--	--
PD-1012	207	0.100	--	--	--	--	--
PD-1013	207	0.142	--	--	--	--	--
PD-1014	207	0.186	--	--	--	--	--
PD-1015	207	0.036	--	--	--	--	--
PD-1016	207	0.070	--	--	--	--	--
PD-1017	207	0.152	--	--	--	--	--
PD-1018	207	0.102	--	--	--	--	--
PD-1087	207	0.540	--	--	--	--	--
PD-1088	207	0.080	--	--	--	--	--
PD-1215	207	0.002	--	--	--	--	--
PD-1216	207	0.002	--	--	--	--	--
PD-1217	207	0.006	--	--	--	--	--
PD-1218	207	0.002	--	--	--	--	--
PD-1219	207	0.002	--	--	--	--	--
PD-1220	207	0.004	--	--	--	--	--
PD-1221	207	0.002	--	--	--	--	--
PD-1222	207	0.008	--	--	--	--	--
PD-1223	207	0.066	--	--	--	--	--
PD-1224	207	0.224	--	--	--	--	--
PD-1225	207	0.268	--	--	--	--	--
PD-1226	207	0.388	--	--	--	--	--
PD-1227	207	0.216	--	--	--	--	--
PD-1228	207	0.008	--	--	--	--	--
PD-1229	207	0.010	--	--	--	--	--
PD-1230	207	<0.002	--	--	--	--	--
PD-1274	207	0.056	--	--	--	--	--
PD-1275	207	0.058	--	--	--	--	--
PD-1276	207	0.140	--	--	--	--	--

VOI rev. 4/85

W. Allen Maurice

Registered Assayer, Province of British Columbia

Chemex Labs Ltd.

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212 Brooksbank Ave.
North Vancouver, B.C.
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Phone: (604) 984-0221
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CERTIFICATE OF ASSAY

TO : CONSOLIDATED SILVER STANDARD MINES LIMITED

11th Floor, 1199 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 3T5

ATTN: R.A. QUARTERMAIN

CERT. # : A8517188-002-A
INVOICE # : I8517188
DATE : 14-OCT-85
P.O. # : NONE

Sample description	Prep code	Au FA oz/T					
PD-1277	207	0.400	--	--	--	--	--
PD-1278	207	0.010	--	--	--	--	--
PD-1279	207	0.072	--	--	--	--	--
PD-1280	207	0.154	--	--	--	--	--
PD-1281	207	0.020	--	--	--	--	--

VOI rev. 4/8

W. Stan Smosini

Registered Assayer, Province of British Columbia

CONSOLIDATED SIL STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-1

SHEET 1 OF 6

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 890.5 m

COORDINATES: 6327630 N

(UTM) 347083 E

CORE STORED AT: On the Property

LENGTH: 67.97 m

	BEARING	INCLINATION
COLLAR	91°T	-45°
65m		-45°

CORE SIZE: BQ

COMMENCED: August 25, 1985

COMPLETED: August 27, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			Au**
0	7.92	No core - overburden	m		85 PD	m	m	m	oz/ton	%			oz/ton
7.92	20.80	Talus - andesite lapilli tuff	0	TO	1024	16	18	2.0	0.001	0.01			
		- dark green, muttled appearance	7.92	0	1023	18	19	1.0	0.001	0.01			
		lapilli - avg. 2-3mm but up to 2cm	10.97	8	1022	19	20	1.0	0.002	0.01			
		- 10%-20%	14.63	5	1021	20	20.80	0.80	0.007	0.01			
		- altered pervasively epidote altered in variable amounts,	16.15	9	1000	20.80	22	1.20	0.095	0.13			0.070
		25% of lapilli altered to 10% epidote,	17.68	7	1001	22	23	1.0	0.028	0.02			0.034
		10% of lapilli altered to 40% epidote	19.96	20	1002	23	24	1.0	0.036	0.01			0.058
		plagioclase crystals - subhedral to euhedral	20.73	42	1003	24	25	1.0	0.133	0.01			0.224
		- quite similar to coarse ash	21.03	110	1004	25	26	1.0	0.298	0.01			0.346
		pyrite - 0.1%-0.3%, disseminated	21.34	32	1005	26	27	1.0	0.140	0.01			0.122
		- also trace in quartz-epidote-calcite veinlets	22.71	85	1006	27	28	1.0	0.291	0.01			0.224
		quartz-epidote-calcite veinlets random orientations	22.86	67	1007	28	29	1.0	0.060	0.01			0.038
		weakly magnetic.	23.77	74	1008	29	30	1.0	0.120	0.01			0.066
20.80	40.39	Altered tuff - gold-bearing zone.	24.00	30	1009	30	31	1.0	0.171	0.01			0.124
		medium grey, very siliceous, pervasive silicification	25.30	110	1010	31	32	1.0	0.170	0.03			0.134
		epidote - in quartz veinlets (0%-5% of vein)	26.82	112	1011	32	33	1.0	0.089	0.01			0.070
		- pervasive (0%-10%, variable), as alteration of	28.35	99	1012	33	34	1.0	0.118	0.01			0.100
		coarse ash or lapilli	29.87	104	1013	34	35	1.0	0.129	0.01			0.142

SAMPLE#	Cu %	Au** OZ/T
85-PD-1267	.01	.001
85-PD-1268	.01	.001
85-PD-1269	.01	.009
85-PD-1270	.01	.002
85-PD-1271	.01	.001
85-PD-1272	.01	.002
85-PD-1273	.01	.003
85-PD-1274	.01	.054
85-PD-1275	.01	.075
85-PD-1276	.06	.152
85-PD-1277	.42	.678
85-PD-1278	.01	.008
85-PD-1279	.01	.078
85-PD-1280	.02	.113
85-PD-1281	.01	.013
85-PD-1282	.01	.063
85-PD-1283	.01	.027
85-PD-1284	.01	.109
85-PD-1285	.01	.026
85-PD-1286	.01	.032
85-PD-1287	.01	.001

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
85-PD-090	1	595	12	42	.4	11	15	517	6.04	3	5	ND	1	27	1	2	2	145	.40	.22	2	34	2.18	108	.22	4	2.72	.02	.61	1	36
85-PD-091	1	49	5	20	1.2	4	4	280	5.71	8	5	ND	2	27	1	2	2	151	.14	.07	3	21	.59	27	.20	6	1.18	.01	.10	1	240
85-PD-092	1	1222	2	44	.1	8	16	433	7.08	4	5	ND	1	31	1	2	2	159	.40	.20	2	31	1.81	111	.19	4	2.66	.02	.57	1	65
85-PD-093	1	92	5	30	.4	7	12	465	7.89	2	5	ND	2	42	1	2	2	180	.25	.08	2	26	.83	22	.18	6	1.77	.02	.04	1	25
85-PD-094	2	1718	28	46	.5	10	26	588	6.98	6	5	ND	1	48	1	2	2	125	.50	.23	3	28	1.77	129	.19	6	3.03	.02	.53	1	230
85-PD-095	1	72	10	23	.2	7	7	382	6.04	5	5	ND	1	39	1	2	2	205	.27	.09	3	21	.65	22	.15	7	1.60	.01	.04	1	90
85-PD-096	1	164	6	29	.2	8	8	315	4.86	2	5	ND	1	42	1	2	2	134	.33	.12	5	20	.72	33	.10	4	1.79	.01	.06	1	38
85-PD-097	1	749	10	60	.2	15	22	746	8.99	2	5	ND	1	30	1	2	2	219	.40	.19	4	29	2.73	103	.26	7	3.50	.01	.47	2	185
85-PD-098	113	97	21	32	.6	7	62	187	25.40	15	5	7	4	15	1	2	2	91	.19	.39	2	1	.88	383	.13	2	.92	.01	.21	1	7450
85-PD-099	65	505	18	43	.8	13	127	579	18.34	9	5	2	2	9	1	2	2	88	.15	.25	2	7	1.29	119	.14	4	2.71	.01	.28	1	2900
85-PD-100	27	476	12	45	.2	7	104	655	15.89	23	5	ND	3	6	1	2	2	85	.09	.25	2	1	1.27	432	.17	4	1.57	.01	.46	1	580
85-PD-104	21	1397	13	46	.5	10	33	366	10.72	9	5	ND	3	42	1	2	2	185	.64	.41	6	20	2.99	221	.24	8	3.02	.01	.58	2	145
85-PD-105	3	408	5	38	.6	9	12	449	5.86	8	5	ND	1	30	1	2	2	129	.27	.17	2	23	1.75	41	.13	8	2.56	.01	.10	1	75
85-PD-106	2	287	2	36	.8	11	9	426	4.32	6	5	ND	1	23	1	2	2	93	.21	.16	2	13	1.35	39	.09	4	1.81	.01	.10	1	110
85-PD-107	1	1929	3	63	.9	13	23	943	6.79	4	5	ND	2	25	1	4	2	159	.66	.37	2	29	2.91	124	.20	8	3.49	.01	.66	2	385
85-PD-108	3	85	6	9	.5	3	5	115	3.09	5	5	ND	2	16	1	4	2	70	.10	.17	5	10	.39	16	.09	5	1.23	.01	.05	1	65
85-PD-109	7	1767	72	55	.7	10	19	496	7.69	2	5	ND	3	11	1	2	2	108	.24	.25	4	26	1.94	90	.18	10	2.56	.01	.47	1	190
85-PD-110	7	174	9	8	.5	1	3	85	3.53	4	5	ND	2	19	1	2	2	92	.12	.19	4	7	.16	41	.25	8	.63	.01	.12	3	310
85-PD-111	1	336	9	40	.1	11	9	422	5.06	9	5	ND	1	36	1	2	2	110	.19	.06	2	26	1.49	38	.20	6	2.21	.01	.10	1	52
85-PD-112	1	70	11	24	.3	8	5	325	6.31	5	5	ND	1	17	1	8	2	181	.08	.39	9	21	.89	26	.09	10	1.44	.01	.06	1	17
85-PD-113	7	125	19	12	.1	5	4	132	5.59	10	5	ND	1	25	1	2	2	104	.11	.69	9	16	.37	94	.17	9	1.14	.01	.17	1	22
85-PD-114	1	46	9	24	.2	7	6	247	5.60	3	5	ND	3	10	1	2	2	74	.13	.85	3	21	.97	82	.13	7	1.58	.02	.34	1	29
85-PD-115	1	124	14	41	1.2	7	6	396	5.33	2	5	ND	1	22	1	2	2	137	.13	.09	2	23	1.08	32	.16	6	1.63	.01	.12	2	27
85-PD-116	1	278	12	56	.4	12	12	708	7.17	5	5	ND	1	22	1	2	2	144	.34	.27	9	38	2.03	94	.21	10	2.88	.01	.36	2	32
85-PD-117	1	105	2	21	.1	8	4	289	4.11	3	5	ND	1	17	1	2	2	73	.13	.18	5	16	.59	26	.10	7	1.13	.03	.10	1	16
85-PD-118	1	331	2	57	.6	22	14	1262	6.07	10	5	ND	1	26	1	2	2	105	.25	.17	5	33	1.73	51	.15	10	2.17	.01	.13	1	165
85-PD-119	1	560	9	73	.7	17	18	1427	6.08	7	5	ND	1	37	1	2	2	134	.47	.27	6	31	2.24	114	.15	10	2.80	.01	.39	1	47
85-PD-120	1	319	2	59	.1	13	15	1387	4.86	2	5	ND	1	39	1	2	2	112	.58	.24	7	26	1.70	171	.09	9	1.93	.02	.23	1	65
85-PD-121	1	434	7	53	.3	10	11	1149	3.37	10	5	ND	2	18	1	2	2	76	.28	.17	12	16	1.02	205	.08	8	1.75	.08	.22	1	26
85-PD-122	1	249	2	41	.1	10	13	995	3.70	5	5	ND	1	31	1	2	2	99	.46	.15	14	20	1.16	193	.07	8	1.48	.05	.17	2	28
85-PD-123	1	180	2	38	.1	16	13	1010	4.18	2	5	ND	1	29	1	2	2	132	.41	.13	7	28	1.75	158	.10	9	1.75	.02	.09	2	60
85-PD-124	1	634	14	38	.1	15	15	951	3.85	4	5	ND	1	34	1	2	3	103	.47	.16	7	29	1.68	157	.09	7	1.87	.02	.10	4	125
85-PD-125	1	1621	12	94	.5	13	24	1578	8.09	11	5	ND	3	40	1	2	2	183	.65	.40	11	41	2.58	177	.23	10	3.30	.01	.74	1	80
85-PD-126	1	1001	7	37	.6	15	51	691	7.95	6	5	ND	1	27	1	2	2	160	.54	.36	9	16	2.52	548	.25	13	2.86	.01	.78	1	55
85-PD-127	4	777	16	64	.1	13	13	1084	7.87	6	5	ND	1	31	1	2	2	189	.43	.28	16	28	2.50	153	.19	16	3.17	.02	.63	4	34
85-PD-128	1	151	8	52	.2	11	10	631	6.35	3	5	ND	2	28	1	2	2	177	.24	.31	6	33	2.00	100	.19	13	2.33	.01	.51	2	26
STD C/AU-0.5	20	61	40	132	7.1	68	27	1208	3.99	41	18	7	37	48	18	15	22	59	.48	.14	40	59	.88	182	.08	38	1.72	.05	.11	12	500

CONSOLIDATED SIL STANDARD MINES LTD.
DR HOLE LOG

HOLE NO. 85-1

SHEET 2 OF 6

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			Au**
		quartz veinlets - 35° to 90° to core axis, up to 3mm,	m		85 PD	m	m	m	oz/ton	%			oz/ton
		- with trace pyrite and calcite	31.39	89	1014	35	36	1.0	0.334	0.01			0.186
		pyrite - 10%-15% disseminated, 1% in fracture fillings or	32.92	108	1015	36	37	1.0	0.024	0.01			0.036
		veinlets.	34.44	94	1016	37	38	1.0	0.083	0.01			0.070
		sericite - 2%-3% pervasive.	35.97	90	1017*	38	40	2.0	0.129	0.01			0.152
		21.44m - trace chalcopyrite and malachite - disseminated.	37.49	79	1018*	* 1017 and 1018 averaged							0.102
		22-23m - a few lapilli visible, up to 1cm.	39.01	80	1019	40	40.39	0.39	0.028	0.01			
		23-24m - 10 quartz veinlets, avg. 0.1mm, generally barren,	40.39	108	1020	40.39	42.05	1.66	0.002	0.01			
		or with traces of pyrite and often with sericite	41.91	109	1087	42.05	43.00	0.95	0.118	0.13			0.540
		selvages.	43.59	88	1088	43	44	1.0	0.144	0.31			0.080
		- epidote, less than 1%.	45.11	100	1089	44	45	1.0	0.056	0.25			
		24-25m - 12 quartz veinlets.	46.63	99	1090	45	46	1.0	0.017	0.15			
		25-27m - 8 quartz veinlets	48.16	87	1091	46	47	1.0	0.004	0.16			
		- quartz veinlets becomming thinner with increasing	49.68	95	1092	47	48	1.0	0.009	0.45			
		pervasive silicification.	51.21	88	1093	48	49	1.0	0.008	0.32			
		27-28m - trace of chlorite with sericite	52.73	99	1094	49	50	1.0	0.081	0.32			
		- pyrite in fracture filligs increasing to 3%-5%	54.25	78	1095	50	51	1.0	0.012	0.37			
		- gauge at 26.7m-45° to core axis.	55.78	81	1096	51	52	1.0	0.010	0.21			
		28-29m - pyrite in fracture fillings 3%-5% but decreasing	56.69	86	1097	52	53	1.0	0.009	0.14			
		towards end of interval.	58.21	95	1098	53	54	1.0	0.010	0.28			
		29-30m - pyrite 5%-10% disseminated	58.83	77	1099	54	55	1.0	0.003	0.13			
		- darker grey color	59.44	77	1100	55	56	1.0	0.005	0.13			
		- calcite in quartz veinlets increasing to 1/2%-1%	59.74	93	1101	56	57	1.0	0.001	0.04			
		- sericite, pervasive, increasing to 4%-5%	60.05	61	1102	57	58	1.0	0.009	0.43			
		30-31m - dark grey, pyrite 10%	60.35	80	1103	58	59	1.0	0.009	0.33			

CONSOLIDATED SILVER STAN' MINES LTD.
DRILL HOLE

HOLE NO. PD-85-1

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		31-32m - dark grey, trace chalcopyrite disseminated near	m		85 PD	m	m	m	oz/ton	%			
		end of section.	61.87	72	1104	59	60	1.0	0.007	0.24			
		32-33m - pyrite 5%-10%, quite dark grey, calcite in clots	62.63	82	1105	60	61	1.0	0.003	0.21			
		and veinlets.	63.39	87	1106	61	62	1.0	0.006	0.15			
		34-35m - silicification decreasing, sericite 3% - 5%											
		35-36m - silicification lower, pyrite 10% disseminated	64.01	99	1107	62	63	1.0	0.003	0.10			
		chlorite - selvages along quartz veinlets	65.53	93	1108	63	64	1.0	0.001	0.06			
		- also in microfractures	66.45	63	1109	64	65	1.0	0.001	0.09			
		- total 2%-3%	67.97	77	1110	65	66	1.0	0.001	0.06			
		36-39m - silicification lower, chlorite 2%-3%, limonite	THE	END	1111	66	66	1.0	0.001	0.03			
		on fractures			1112	66	67.97	0.97	0.002	0.02			
		at 37.35m - quartz vein, 1mm wide, with											
		malachite, chalcopyrite and limonite.											
		- chalcopyrite and malachite fracture fillings											
		for 5cm.											
		39-40.39m - chlorite decreasing to about 1%											
		- limonite staining			* Due to sampling error samples								
		- last 2cm - gouge			1017 and 1018 have been averaged								
40.39	42.05	Andesite Dyke - the footwall dyke.											
		- dark grey with greenish tint			** Check assays								
		- fine grained											
		- pyrite traces disseminated											
		- plagioclase microlaths											
		- mafics - chlorite altered, very fine grained.											

CONSOLIDATED SILVER ST RD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-1

FROM	TO	DESCRIPTION
		~~- plagioclase microlaths~~
		~~- mafics - chlorite altered, very fine grained~~.
		weak to moderately magnetic.
		calcite grains - disseminated, 0.5-1mm, 1/2%.
		6 hairline calcite fracture fillings.
		- gauge at both contacts.
		- contacts broken apart - not measureable.
42.05	46	Altered andesitic tuff.
		- medium grey, siliceous
		sericite - pervasive 1% - 2%
		pyrite - 2% - 3% , fracture fillings greater than disseminations
		quartz-calcite microveinlets, discontinuous
		43-44m - slightly more mafic
		- chalcopyrite in quartz veinlets and disseminated.
		10 quartz veins - up to 4 cm, with minor calcite
		avg. 1-2mm, with chalcopyrite & pyrite.
		44-45m - 6 quartz veinlets, avg. 1-2mm, with calcite and less chalcopyrite than previous interval
		chlorite - 1%, pervasive
		45-46m - quartz veinlets with chlorite
		chlorite - 2%
		- rock increasingly green in color.

CONSOLIDATED SILVER ST ,RD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-1

FROM	TO	DESCRIPTION
46	51	Andesitic tuff
		- dark greyish green
		- pyrite 1%, fracture fillings greater than disseminations
		- chlorite pervasive, 2% - 3%
		- sericite pervasive, 1+%
		- quartz veinlets with chlorite
		46-47m - malachite on limonite stained fractures
		- silica pervasive as envelopes about veins
		47-48m - malachite on limonite stained fractures
		trace disseminated chalcopyrite
		48.5-48.6 - malachite limonite stained, pulverized core
		49-50m - trace epidote with quartz veining weakly magnetic, at 46.15m - sandy, pulverized
		50-51m - pyrite 1 - 2%
		- epidote pervasive in envelopes about quartz veins and fractures, 1%
51	59.75	Andesitic tuff
		blackish color
		hematite in matrix, weakly magnetic
		chloritized very fine grained mafics, chlorite 1% - 2%
		pyrite - 2% - 3%, fracture fillings more than disseminations
		epidote - 1% - 2%, pervasive as envelopes about quartz veinlets
		51-52m - 12 quartz veinlets - avg. less than 1mm
		- larger ones with epidote
		52-53m - 1 quartz-epidote veinlet - 1cm wide, moderately magnetic
		53-54m - 8 epidote - quartz veinlets, avg. 1 - 3 mm., moderately magnetic
		54-55m - 4 epidote-quartz veinlets, avg. less than 1mm.
		55-56m - pyrite 1% - 2%

CONSOLIDATED SILVER STAN . MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-1

FROM	TO	DESCRIPTION
		- abundant thin quartz-epidote veinlets, dark grey patches
		56-57m - mainly dark grey although has blackish sections
		pyrite less than 1%, disseminated
		- 3 quartz-epidote veinlets (epidote only trace)
		57-58m - pyrite less than 1%
		58-59m - pyrite 1%, fracture fillings greater than disseminations, chlorite about 1/2%, grain size up to 1mm, avg. 0.2mm.
		59-59.75m - pyrite less than 1%, chlorite 1/2%
59.75	67.97	Andesite tuff
		dark grey
		finer grained than previous sections
		core very fractured and broken up, fracturing 60° to core axis
		pyrite 1/2%, fracture filling greater than disseminations
		quartz - calcite microveinlets
		61-62m - spotty moderately magnetic
		61.15-61.5m - probable fault, gouge and sandy.
		62-63m - quartz veining generally 60° to core axis
		- moderately magnetic, spotty
		63-64m - moderately magnetic, spotty, epidote 2% - with quartz veinlets
		64-67.97m - epidote 2% - with quartz veinlets
		THE END

CONSOLIDATED ST' STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-2

SHEET 1 OF 10

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 890.5 m

COORDINATES: 6327630N

(UTM) 347083E

CORE STORED AT: Smithers Mini-storage #27

LENGTH: 74.07 m

	BEARING	INCLINATION
COLLAR	91°T	-60°
74m		-59°

CORE SIZE: BQ

COMMENCED: August 27, 1985

COMPLETED: August 29, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	6.7	No core - overburden	m		85 PD	m	m	m	oz/ton	%			
6.70	7.01	Andesite Crystal - Lapilli Tuff	0	To	1025	11.60	13	1.40	0.005	0.09			
		- dark grey to light black	6.7	0	1026	13	14	1.0	0.012	0.12			
		- feldspar crystals 10% - 20%, up to 1mm	7.01	10	1027	14	15	1.0	0.007	0.05			
		- 20% epidote alteration - pervasive in 30% of crystals	8.53	10	1028	15	16	1.0	0.004	0.03			
		and lapilli.	10.06	10	1029	16	17	1.0	0.014	0.02			
			11.28	10	1030	17	18	1.0	0.013	0.01			
7.01	18	Altered Andesite Crystal - Coarse Ash Tuff	11.58	10	1031	18	19	1.0	0.293	0.16			
		- dark grey to light black, quite non-descript	13.11	95	1032	19	20	1.0	0.027	0.03			
		- disseminated pyrite 1/2%	14.63	98	1033	20	21	1.0	0.153	0.25			
		- sericite alteration about 3% in 50% of interval	16.15	73	1034	21	22	1.0	0.142	0.29			
		- chlorite alteration about 5% in 10% of interval	17.68	72	1035	22	23	1.0	0.183	0.01			
		- total chlorite about 2% and sericite a little less	19.20	83	1036	23	24	1.0	0.165	0.26			
		- trace chlorite in calcite - quartz veinlets	20.73	98	1037	24	25	1.0	0.061	0.07			
		11.6-13m - pyrite 1% - 2%, disseminated	22.25	89	1038	25	26	1.0	0.018	0.03			
		13-14m - trace epidote alteration	23.77	95	1039	26	27	1.0	0.004	0.03			
		pyrite 3% - 5%	25.30	96	1040	27	28	1.0	0.011	0.04			
		14-15m - pyrite 3% - 5%	26.82	93	1041	28	29	1.0	0.008	0.13			
		- grain size about 0.8mm	28.35	61	1042	29	30	1.0	0.026	0.03			

CONSOLIDATED SI' STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-2

SHEET 2 OF 10

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		15-16m - sericite about 5%	m		85 PD	m	m	m	oz/ton	%			
		pyrite 3% - 5%	29.41	115	1043	30	31	1.0	0.010	0.03			
		16-17m - pyrite 2% -3%, medium grey	29.87	72	1044	31	32	1.0	0.083	0.05			
		- epidote spotty 1/2%	30.78	97	1045	32	33	1.0	0.103	0.01			
		17-18m - short sections with strong siliceous alteration,	31.39	74	1046	33	34	1.0	0.175	0.01			
		pyrite 5%, traces epidote, sericite 3% - 4%,	32.16	82	1047	34	35	1.0	0.078	0.01			
		chlorite 1%, mainly fracture fillings.	32.92	92	1048	35	36	1.0	0.137	0.01			
			33.68	87	1049	36	37	1.0	0.063	0.01			
18	31	Altered Tuff (gold-bearing zone)	35.20	86	1050	37	38	1.0	0.100	0.01			
		- medium grey	35.97	69	1051	38	39	1.0	0.026	0.02			
		- sericite pervasive 3% - 5%	37.49	91	1052	39	40	1.0	0.016	0.01			
		- pyrite 5% - 7%	39.01	97	1053	40	41	1.0	0.119	0.01			
		- siliceous alteration pervasive	40.54	97	1054	41	42	1.0	0.125	0.01			
		- quartz veinlets with trace epidote and little or no pyrite.	42.06	97	1055	42	43	1.0	0.180	0.01			
		18.5cm - chalcopyrite in quartz stringers.	43.59	95	1056	43	43.58	0.58	0.350	0.01			
		19-20m - 1% epidote, pervasive and as selvages on quartz	44.65	87	1057	43.58	44.91	1.33	0.005	0.01			
		veinlets	46.33	90	1058	44.91	45.60	0.69	0.035	0.08			
		- chlorite 2%, quartz veinlets 2%	46.63	80	1059	45.60	46.48	0.88	0.003	0.02			
		20-21m - dark grey, chlorite 2%, quartz veinlets 2%,	48.16	92	1060	46.48	48	1.52	0.011	0.05			
		chalcopyrite 0.5% in quartz veinlets	49.68	51	1061	48	49	1.0	0.015	0.19			
		- pervasive epidote less than 1%	51.05	88	1062	49	50	1.0	0.006	0.11			
		22.25m - hematite on fractures	51.66	99	1063	50	51	1.0	0.042	0.29			
		23-24m - dark grey, chlorite 2%, quartz veinlets 2%	52.73	85	1064	51	52.5	1.5	0.008	0.24			
		(23.77-24m) - 0.5% chalcopyrite in quartz veinlets	54.25	86	1065	52.5	53	0.5	0.006	0.07			
		24-25m - dark grey, chlorite 2%, 3% quartz veinlets with	55.78	99	1066	53	54	1.0	0.002	0.10			

CONSOLIDATED SI STANDARD MINES LTD.

DR..L HOLE LOG

HOLE NO. PD-85-2

SHEET 3 OF 10

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		0.2% chalcopyrite.	m		85 PD	m	m	m	oz/ton	%			
		25-26m - dark grey, chlorite 1% - 2%, 2% barren quartz	57.30	97	1067	54	55	1.0	0.004	0.19			
		veinlets.	57.76	99	1068	55	56	1.0	0.007	0.26			
		26-27m - dark grey, chlorite 2%, quartz veinlets 2%	58.83	99	1069	56	57	1.0	0.001	0.07			
		27-28m - pyrite 5%, chlorite 2% - 3%	60.35	95	1070	57	58	1.0	0.002	0.19			
		- epidote - 1% pervasive	61.87	98	1071	58	59	1.0	0.003	0.32			
		- 1/2% in quartz veinlets	63.40	95	1072	59	60	1.0	0.006	0.15			
		- quartz veinlets 1/2%	64.92	95	1073	60	61	1.0	0.001	0.08			
		28-29m - pyrite 2% - 3%, disseminated	65.99	84	1074	61	62	1.0	0.003	0.19			
		magnetite 1% spotty, very fine grained.	66.45	91	1075	62	63	1.0	0.001	0.04			
		- 3% quartz veinlets with calcite and trace	67.97	92	1076	63	64	1.0	0.006	0.10			
		chalcopyrite.	69.49	71	1077	64	65	1.0	0.003	0.07			
		- mainly light black color	71.02	93	1078	65	66	1.0	0.001	0.07			
		29-30m - dark grey, pyrite 3% - 5%, little magnetite,	72.54	78	1079	66	67	1.0	0.001	0.05			
		- 3/4% quartz veinlets.	74.07	46	1080	67	68	1.0	0.001	0.03			
		30-31m - medium grey, pyrite 3% - 5%	THE	END	1081	68	69	1.0	0.001	0.04			
		- chlorite pervasive 1% - 2%			1082	69	70	1.0	0.001	0.06			
		- epidote pervasive 1/2% - 1%			1083	70	71	1.0	0.001	0.02			
		- few hairline quartz veinlets			1084	71	72	1.0	0.001	0.05			
					1085	72	73	1.0	0.001	0.04			
31	43.58	Altered Tuff - gold-bearing zone			1086	73	74.07	1.07	0.001	0.02			
		- light grey, pervasive silicification											
		- pyrite 5% - 8%, disseminated											
		- epidote pervasive 1/2%											
		- quartz veinlets 1% - usually barren											

FROM	TO	DESCRIPTION
		- sericite pervasive 1/2%
		- quartz veinlets 1% - usually barren
		- sericite pervasive - 3% - 4%
		chlorite 1% - fracture fillings
		32-33m - pyrite 8% - 10%
		33-34m - pyrite overall avg. 5% but 10% in more mafic looking areas (20% of interval)
		- quartz veinlets becoming fewer
		34-35m - medium grey to light black
		- a few reddish spots indicate very fine grained hematite in blackish areas.
		- black areas - 20% of interval - spotty and an alteration related to fractures.
		35-37m - dark grey
		pyrite - 5% disseminated
		- 1% fracture fillings
		sericite pervasive 5%
		quartz veinlets with calcite - discontinuous.
		37-38m - medium grey
		- pyrite 3% - 5%
		- darkish areas 10% of interval
		- quartz-calcite veinlets discontinuous
		- sericite 2% - 3%
		38-41m - medium grey
		- pyrite 3% - 5%, quartz-calcite veinlets discontinuous, sericite 2% - 3%, spotty 1% magnetite
		41-42m - pyrite 5% with 1% as fracture fillings
		sericite 2% - 3%, spotty 1% magnetite
		42-43.5m chlorite pervasive 1/2%

FROM	TO	DESCRIPTION
		- sericite pervasive 1/2%
		- quartz veinlets 1% - usually barren
		- sericite pervasive - 3% - 4%
		chlorite 1% - fracture fillings
		32-33m - pyrite 8% - 10%
		33-34m - pyrite overall avg. 5% but 10% in more mafic looking areas (20% of interval)
		- quartz veinlets becoming fewer
		34-35m - medium grey to light black
		- a few reddish spots indicate very fine grained hematite in blackish areas.
		- black areas - 20% of interval - spotty and an alteration related to fractures.
		35-37m - dark grey
		pyrite - 5% disseminated
		- 1% fracture fillings
		sericite pervasive 5%
		quartz veinlets with calcite - discontinuous.
		37-38m - medium grey
		- pyrite 3% - 5%
		- darkish areas 10% of interval
		- quartz-calcite veinlets discontinuous
		- sericite 2% - 3%
		38-41m - medium grey
		- pyrite 3% - 5%, quartz-calcite veinlets discontinuous, sericite 2% - 3%, spotty 1% magnetite
		41-42m - pyrite 5% with 1% as fracture fillings
		sericite 2% - 3%, spotty 1% magnetite
		42-43.5m chlorite pervasive 1/2%

FROM	TO	DESCRIPTION
		pyrite 3% - 5%
		few quartz-calcite microveinlets
		- last 2.5cm gouge -
		contact at 43.58m 78° to core axis.
43.58	44.91	Andesite Dyke - The footwall dyke
		- greyish green
		- 1/2% calcite grains - 0.2 - 0.3 mm
		- disseminated magnetite 1/2%
		- a few quartz grains up to 3mm, rounded, purple tint
		- epidote, pervasive 0.1%
		- very small plagioclase microlaths
		- footwall contact not intact or measureable
44.91	45.03	Altered Tuff
		- greenish grey
		- siliceous alteration
		~~- siliceous alteration~~
		- sericite-pervasive, 3% - 5%
		- chlorite-pervasive, 1%
		- epidote-pervasive, 1/2%
		- chalcopyrite, malachite-disseminated traces
45.03	45.30	Fault gouge
		- foliated, dark green, broken up quartz-calcite veins.

CONSOLIDATED SILV/ TANDARD MINES LTD.

DRILL ..OLE LOG

HOLE NO. PD-85-2

FROM	TO	DESCRIPTION
		- chalcopyrite & malachite - traces to 0.1% in fractures
		- pyrite - 0.2%, in fractures
		contct at 45.30m - 65° to core axis
45.30	45.60	Andesite - massive
		- dark green, fine grained, pyrite traces disseminated, magnetite disseminated 1% - 2% spotty
		contact at 45.6m - 65° to core axis.
45.60	46.48	Altered tuff
		- light grey, siliceous fine grained
		- magnetite disseminated 1% - 2%
		pyrite - 0.2% disseminated
		0.3% fracture fillings
		- very fine grained interstial mafics. (1/2% - 1%)
		- quartz-calcite (trace) microveinlets
46.48	52.5	Andesite tuff
		- fine grained, massive, dark grey
		pyrite-trace to 0.1% disseminated
		quartz-calcite discontinuous veinlets
		chlortie pervasive 1% - 2%
		47.75-47.85m - 2% pyrite, lighter greyish color
		48.6-49.3m - pyrite 1/2% - 1%
		grain size 0.2 - 0.3mm
		lighter in color (graysih)

FROM	TO	DESCRIPTION
		50-52.5m - grain size about 1mm
		- chlorite pervasive 2% - 3%
		- pyrite 1%
		- chalcopyrite - 0.1% disseminated and fracture fillings.
		- malachite traces
		contact at 52.5m - 65° to core axis - gouge at contact
52.5	61	Altered tuff
		- light grey, siliceous
		- sericite pervasive 1%, trace pyrite
		52.5-52.6m - sheared, with 1/2% pyrite
		- 5% sericite-pervasive
		53-54m - 1/2% pyrite in sheared areas
		limonite stained fractures
		quartz-calcite veinlets - discontinuous
		54-55m - malachite on limonite stained fractures
		pyrite 0.2% - 0.3% mainly disseminated
		55-56m - malachite on limonite stained fractures
		pyrite 0.3% - 0.5%
		56-57m - trace epidote
		- pyrite 0.3% - 0.5%
		- trace epidote
		- chlorite 1/2% - pervasive
		- discontinuous quartz-calcite veinlets
		57-58m - pyrite 0.2% - 0.3% mainly disseminated

FROM	TO	DESCRIPTION
		- 0.1% disseminated chalcopyrite
		58.5-59m - pyrite 1/2%
		sericite 2% -3% (soft)
		59-60m - pyrite 1/2%
		- chalcopyrite traces disseminated
		60-61m - becoming darker color and less siliceous
		- chlorite 1/2% - 1% pervasive
61		Altered andesite tuff
		- dark grey
		- similar to previous sections but less altered
		- weakly magnetic
		- pyrite 1/2% - 1% disseminated
		- quartz veinlets with trace epidote
		- sericite pervasive - weak
		- chlorite pervasaive 1+%
		61-62m - chalcopyrite disseminated 0.1%
		62-63m - moderately magnetic
		- disseminated hematite
		chlorite 1% - 3%
		pyrite 1%, disseminated less than fracture fillings
		63-64m - slightly greenish tint
		- quartz-calcite-epidote-pyrite fracture fillings
		- spotty foliated appearance
		- moderately magnetic

FROM	TO	DESCRIPTION
		- microveinlets of chlorite
		64.5-65m - greenish, not magnetic, 5% pervasive epidote
		65-66m - trace disseminated chalcopyrite
		66-67m - moderately magnetic
		- few vague lithic fragments up to 1cm
		pyrite 2%, veinlets much more than disseminations
		- trace disseminated chalcopyrite
		67-68m - pyrite 1%, moderately magnetic, veinlets more than disseminations
		- trace disseminated chalcopyrite
		68-70m - pyrite 1%, moderately magnetic
		70-71m - trace chalcopyrite in quartz-epidote-calcite fracture fillings
		- pyrite 1%
		- moderately magnetic
		71-72m - pyrite 1%, disseminations more than veinlets
		- moderately magnetic
		- epidote increasing, 3% - 5%, pervasive much more than veinlets
		- trace chalcopyrite
		72-73m - trace chalcopyrite
		- pyrite 1%
		- moderately magnetic
		- epidote 3% - 5%
		73-74.07m - pyrite 1%
		- moderately magnetic
		- epidote 3% - 5%
		- biotite about 15% - sericite altered

CONSOLIDATED SIL' STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-2

SHEET 10 OF 10

FROM	TO	DESCRIPTION
		- chlorite and sericite alteration decreasing
		THE END

CONSOLIDATED SII STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-3

SHEET 1 OF 14

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 890.5 m

COORDINATES: 6327630N

(UTM) 347083E

CORE STORED AT: On the Property

LENGTH: 93.88 m

	BEARING	INCLINATION
COLLAR	91°T	-80°
93m		-80°

CORE SIZE: BQ

COMMENCED: August 29, 1985

COMPLETED: September 1, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	2.74	No core - overburden	m		85 PD	m	m	m	oz/ton	%			
			0	To	1114	2.74	4	1.26	0.001	0.02			
2.74	7.25	Andesite Lapilli Tuff	2.74	0	1115	4	5	1.0	0.001	0.02			
		lapilli - up to 1.2cm, 10% pervasive epidote alteration	3.05	74	1116	5	6	1.0	0.001	0.02			
		in 80% of lapilli	3.81	39	1117	6	7.25	1.25	0.001	0.03			
		pyrite - 0.2% - 0.3%, disseminated, less in fracture fillings	4.88	73	1118	7.25	8	0.75	0.001	0.02			
		5-6m - lapilli up to 1.7cm	5.18	57	1119	8	9	1.0	0.001	0.01			
		6-7.25m - all rounded pebbles	5.49	48	1120	9	10	1.0	0.013	0.02			
		25% of pebbles very siliceous altered tuff	7.01	22	1121	10	11.4	1.40	0.001	0.04			
			8.53	45	1122	11.4	12	0.6	0.009	0.20			
7.25	8	rounded pebbles	9.58	25	1123	12	13	1.0	0.010	0.27			
		5% of pebbles - very siliceous altered tuff, with pervasive	10.06	38	1124	13	14	1.0	0.014	0.19			
		epidote 5%, pyrite 1/2% disseminated	11.28	6	1125	14	15	1.0	0.010	0.03			
		20% of pebbles - black to very dark grey, moderately	12.50	99	1126	15	16	1.0	0.001	0.06			
		magnetic, chlorite pervasive 1%, sericite	13.72	68	1127	16	17	1.0	0.011	0.09			
		pervasive 2% - 3%	14.63	99	1128	17	18	1.0	0.004	0.07			
		75% of pebbles - medium grey, pyrite disseminated, sericite	14.94	99	1129	18	19	1.0	0.004	0.05			
		3% - 5% pervasive, quartz 15% as pervasive	16.15	66	1130	19	20	1.0	0.005	0.11			
		alteration and in viens.	17.68	93	1131	20	21	1.0	0.057	0.14			

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DRILL HOLE LOG

HOLE NO. PD-85-3

SHEET 2 OF 14

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
8	9	pebbles	m		85 PD	m	m	m	oz/ton	%			
		10% black to very dark grey, moderately magnetic, chlorite	18.75	79	1132	21	22	1.0	0.162	0.57			
		pervasive 1%, sericite pervasive 2% - 3%	19.20	93	1133	22	23	1.0	0.003	0.06			
		90% medium grey with pervasive quartz alteration, traces	20.27	88	1134	23	24	1.0	0.003	0.08			
		of malachite on limonite stained fractures	21.34	82	1135	24	25	1.0	0.004	0.10			
			22.25	99	1136	25	26	1.0	0.004	0.07			
9	10	pebbles - all black to very dark grey, as in section	23.77	76	1137	26	27	1.0	0.009	0.06			
		7.25 - 8m pebbles contain lithic fragments to	25.30	72	1138	27	28	1.0	0.006	0.03			
		7mm (lapilli tuff)	26.82	87	1139	28	29	1.0	0.146	0.68			
11.4	14	11.4 - possible bedrock	27.28	99	1140	29	30	1.0	0.019	0.04			
		Andesite tuff	28.35	49	1141	30	31	1.0	0.015	0.96			
		- black, weak to moderately magnetic	28.65	87	1142	31	32	1.0	0.005	0.09			
		- epidote 2% - 3%, pervasive and veinlets	29.87	76	1143	32	33.16	1.16	0.022	0.36			
		- pyrite 1% - 1 1/2%, dissemination greater than fracture	31.39	86	1144	33.16	34.22	1.06	0.003	0.11			
		fililngs.	32.46	93	1145	34.22	35	0.78	0.005	0.09			
		chlorite - in matrix, about 1%	33.99	73	1146	35	36	1.0	0.001	0.03			
		11.4-12m - 12 quartz veinlets with trace calcite and epidote,	35.51	90	1147	36	37	1.0	0.007	0.04			
		avg. 0.2mm to 1mm	37.03	99	1148	37	38	1.0	0.006	0.14			
		13.65m - 1/2cm gouge, 20° to core axis	38.56	98	1149	38	39	1.0	0.007	0.37			
		epidote decreased to 1/2%	40.23	96	1150	39	40	1.0	0.006	0.02			
			41.30	87	1151	40	41.10	1.10	0.008	0.05			
14	16	Andesite Tuff	42.82	95	1152	41.10	42	0.90	0.126	0.05			
		- dark grey, very fine grained	44.35	96	1153	42	43	1.0	0.134	0.04			
		- pyrite 1/2% disseminations greater than fracture fillings	45.57	92	1154	43	44	1.0	0.082	0.01			
		quartz veinlets - with calcite and minor chlorite	47.09	99									

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DRILL HOLE LOG

HOLE NO. PD-85-3

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		- limonite on fractures	m		85 PD	m	m	m	oz/ton	%			
		- weakly magnetic	48.16	95	1155	44	45.11	1.11	0.060	0.01			
		- vague mafics (biotite?), altered to chlorite and sericite	49.68	99	1156	45.11	46.17	1.06	0.001	0.01			
		- sericite pervasive 1% - 2%	50.29	95	1157	46.17	47	0.83	0.006	0.01			
			51.82	70	1158	47	48	1.0	0.101	0.06			
16	19	Altered Andesite Tuff	53.34	88	1159	48	49	1.0	0.198	0.16			
		medium grey - gradual change from previous section	55.17	73	1160	49	50	1.0	0.006	0.09			
		pyrite 1% disseminated	56.69	84	1161	50	51	1.0	0.010	0.05			
		epidote 1% - 2%, alteration of coarse ash	58.06	93	1162	51	52	1.0	0.003	0.04			
		16-17m - 6 quartz veinlets up to 3mm	58.83	99	1163	52	53	1.0	0.001	0.09			
		17-18m - spotty black areas - weakly magnetic	60.35	90	1164	53	54	1.0	0.001	0.03			
		18-19m - increasing black areas	61.57	82	1165	54	55	1.0	0.001	0.04			
		- trace hematite in quartz veinlets	62.64	49	1166	55	56	1.0	0.001	0.05			
			63.40	34	1167	56	57	1.0	0.001	0.05			
19	31	Andesite Tuff	64.47	85	1168	57	58	1.0	0.001	0.05			
		- black to very dark grey	64.92	99	1169	58	59	1.0	0.001	0.08			
		- epidote 3%, pervasive and veinlets	66.45	93	1170	59	60	1.0	0.001	0.09			
		- few plagiclase crystals up to 1mm	67.51	94	1171	60	61	1.0	0.004	0.24			
		- weakly to moderately magnetic	69.04	94	1172	61	62	1.0	0.001	0.02			
		- pyrite 1/2% - 1%, disseminations greater than fracture	70.56	99	1173	62	63	1.0	0.007	0.04			
		fillings	72.09	99	1174	63	64	1.0	0.001	0.07			
		- quartz veinlets 1/2% with trace calcite	73.61	75	1175	64	65	1.0	0.001	0.06			
		- fine grained mafic (biotite?) in matrix	74.52	87	1176	65	66	1.0	0.002	0.20			
		- black alteration is probably a mixture of sericite,	75.13	99	1177	66	67	1.0	0.001	0.10			
		hematite and a little magnetite	76.35	88	1178	67	68	1.0	0.002	0.13			

CONSOLIDATED SII STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-3

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		20-21m - 4 quartz veins up to 1cm	m		85 PD	m	m	m	oz/ton	%			
		- chalcopyrite in viens, also magnetite selvages	76.96	99	1179	68	69	1.0	0.006	0.59			
		21-22m - lighter in color - medium to dark grey	78.64	99	1180	69	70	1.0	0.002	0.10			
		- quartz vein at 21.95m - 3 1/2cm wide, with	80.16	91	1181	70	71	1.0	0.001	0.10			
		chalcopyrite, possibly a trace of bormite	81.69	99	1182	71	72	1.0	0.001	0.01			
		24-25m - medium to dark grey	82.30	86	1183	72	73	1.0	0.001	0.13			
		- weakly magnetic - spotty	83.82	99	1184	73	74	1.0	0.004	0.23			
		25-26m - 30% medium grey, remainder black to very dark grey,	84.73	95	1185	74	75	1.0	0.001	0.08			
		a few biotite grains visible up to 0.4mm, weakly	86.26	79	1186	75	76	1.0	0.001	0.07			
		magnetic	87.48	63	1187	76	77	1.0	0.001	0.03			
		26-27m - 30% medium grey, remainder black, a few biotite	89.15	87	1188	77	78	1.0	0.001	0.04			
		grains visible in blackish areas	90.83	93	1189	78	79	1.0	0.001	0.07			
		27-28m - trace chalcopyrite in quartz veinlets	92.35	97	1190	79	80	1.0	0.001	0.11			
		28-30m - epidote decreasing to 1% - 2%	93.88	98	1191	80	81	1.0	0.005	0.12			
		- spotty medium grey sections	THE	END	1192	81	82	1.0	0.001	0.01			
		- feldspar laths commonly visible			1193	82	83	1.0	0.001	0.03			
		- trace chalcopyrite in quartz veinlets			1194	83	84	1.0	0.003	0.14			
		30-31m - weakly magnetic			1195	84	85	1.0	0.005	0.08			
		- 2% chalcopyrite in quartz veins			1196	85	86	1.0	0.007	0.21			
		- pyrite 1/2% - 1%, disseminations greater than			1197	86	87	1.0	0.004	0.09			
		veins or fracture fillings			1198	87	88	1.0	0.001	0.14			
		- epidote 1% or less			1199	88	89	1.0	0.022	1.04			
					1200	89	90	1.0	0.005	0.34			
31	33.16	Altered Tuff			1201	90	91	1.0	0.005	0.23			
		- very siliceous appearance			1202	91	92	1.0	0.001	0.08			

CONSOLIDATED SIL\ STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-3

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		- aphanitic to very fine-grained	m		85 PD	m	m	m	oz/ton	%			
		- pyrite 1/2%, disseminations equal fracture fillings			1203	92	92	1.0	0.001	0.11			
		- epidote 1/2%, pervasive			1204	93	93.88	0.88	0.003	0.22			
		- chlorite veins 1+%											
		- 6% quartz veins, avg. 4mm, with pyrite and chalcopyrite											
		- moderately magnetic											
		- at end of section - limonite stained, sandy (probable											
		fault)											
33.16	34.22	Andesite Coarse Ash - Crystal Tuff											
		- avg. grain size 3mm											
		- feldspar phenocrysts - enhedral to subhedral 10% - 25%											
		- 10% mafics altered to 50% epidote and 20% chlorite											
		- ash - 50+%, rounded											
		- pyrite 1/2%, disseminations equal veins											
		chalcopyrite in quartz veining, with malachite											
		weakly magnetic											
		5 quartz veins - avg. 2-3mm											
		- lower contact irregular											
34.22	35.40	Andesite Ash Tuff											
		- fine grained to aphamitic											
		- vague outlines of 2-3mm coarse ash as in previous section											
		- weakly to moderately magnetic											
		- pyrite 1/2%, disseminations greater than veins											

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DRILL HOLE LOG

HOLE NO. PD-85-3

SHEET 6 OF 14

FROM	TO	DESCRIPTION
		- mafics 5% - 10% - chloritized
		- chlorite 3% pervasive
		- 4 quartz veins, avg. 2mm, trace calcite, trace chalcopyrite and minor pyrite
33.40	37	Ash tuff - both medium and fine grained
		- medium grey
		- few mafics
		- chlorite - 1% or less
		- pyrite 1/2% disseminated much more than in quartz veinlets
		- weakly magnetic
		- in medium ash sections - vague outlines of lithic fragments and feldspar crystals, also vague alignment of crystals - 40° to core axis
		- 3 quartz veins - avg. 1mm, with minor pyrite
37	41.10	Ash tuff
		- dark grey to blackish
		- medium ash 25%, matrix very fine grained to aphenitic
		- moderately magnetic in blackish sections
		- chlorite - 1%
		- pyrite - 1%
		37-38m - 6 quartz veins, avg. 2mm, one especially with chalcopyrite
		38-39m - 8 quartz veinlets, avg. 2mm
		pyrite - 1% - 2%
		39-40m - 2 quartz veinlets, avg. 2mm
		trace hematite on fractures
		40-41.10m - 6 quartz veinlets, avg. 1mm

FROM	TO	DESCRIPTION
		trace chalcopyrite in quartz veinlets
41.10	45.11	Altered tuff
		- the gold-bearing alteration zone
		light to medium grey
		- very siliceous alteration - pervasive
		sericite - pervasive, 2+%
		pyrite - disseminated - 5%
		hairline quartz microveinlets with chlorite
		41.10-42m - 1st 10cm - sandy and pulverized - possible fault
		2nd 10cm - foliated 50° to core axis
		42-43m - coarse ash - silicified ash fragments
		43-44m - darker grey
		- weak to moderately magnetic
		- pyrite 2% - 3%
		44-45.11m - trace of hematite in quartz veinlets
45.11	46.17	Andesite Dyke - the footwall dyke
		- grey with dark greenish tint
		- very hard
		- calcite grains - avg. 0.4mm
		- trace disseminated pyrite
		- upper contact - apprx. 70° to core axis
		- lower contact - not measureable

FROM	TO	DESCRIPTION
46.17	50	Medium to coarse ash tuff
		- medium grey, fairly siliceous
		- vague outlines of silicified ash
		- very fine grained mafics in matrix - chlorite altered
		pyrite 1/2% - disseminated
		46.40m - fault, foliation 70° to core axis
		47-48m - pyrite 1%, fracture fillings and veinlets greater than disseminations
		- trace chalcopyrite in quartz veinlets
		- 3 quartz veinlets and irregular masses
		- sericite - pervasive, 2% - 3%
		- foliation, spotty, 40° to core axis
		48-49m - light green tint
		- foliation 60° to 70° to core axis
		- magnetite, 2%
		49-50m - medium - darkish grey
		6 quartz veinlets with traces chlorite and calcite
		- many microveinlets of quartz - irregular
50	51	Coarse ash tuff
		- felspar crystals 5%
		- coarse ash, siliceous 30% - 40%
		- trace disseminated malachite
		- pyrite - 1%, disseminations greater than fracture fillings
		4 quartz veinlets, avg. 1mm
		chlorite 1/2% - 1%

FROM	TO	DESCRIPTION
		2nd half of section finer grained, pyrite 1/2%, coarse ash 10% - 15%
51	60.80	Altered tuff
		- very fine grained to aphanitic
		- siliceous
		- pale greenish grey
		- pyrite, disseminated, less than 1/2%
		- sericite, pervasive
		- chlorite, pervasive
		- irregular masses of faulted quartz microveinlets
		51.70m - fault gouge, 60° to core axis
		52.1m - fault gouge
		53-54m - light green
		- pyrite-traces only
		54-55m - pale green
		55-56m - last 40cm - darker color, magnetite 3% - 4% as fracture fillings and disseminations
		- pale green
		56-57m - pale green
		57-58m - spotty disseminated magnetite 2% - 3%
		58-59m - spotty disseminated magnetete 2% - 3%, light grey
		59-60m - spotty disseminated magnetite 2% - 3%
		trace malachite and hematite on weathered quartz vein at 59.9m
		60.80 - contact irregular
60.80	62	Andesite tuff

FROM	TO	DESCRIPTION
		- dark green
		- very fine grained - 011 - 0.2mm
		- trace disseminated pyrite
		- chlorite - 1% - 3%, pervasive
		3 quartz veinlets - ave. 0.8mm
62	67	Altered tuff
		- very dark grey to blackish
		- moderate magnetic
		- trace disseminated pyrite
		- sericite pervasive
		- biotite - 2% - 3%, up to 1.5mm, about 10% chlorite alteration
		62-63m - core just pebbles
		63-64m - trace disseminated chalcopyrite at end of interval
		64.1-64.9m - light grey to greenish grey
		- same as 51-60.80m
		64.55m - fault gouge 45° to core axis
		64.67m - fault gouge 40° to core axis
		65-66m - trace chalcopyrite in fracture fillings
		pyrite 2% mainly in fracture fillings
		66-67m - pyrite 2% mainly in fracture fillings
67	71	Medium ash tuff
		- medium grey - quite siliceous
		- ash up to 1mm

FROM	TO	DESCRIPTION
		- chlorite, pervasive, about 1%
		- sericite, pervasive, 1% - 2%
		- pyrite - 1/2% - 1%, fracture fillings greater than dissemination
		- core very broken up
		68-69m - chalcopyrite in quartz veinlets
		pyrite - 1%
		sericite 5% pervasive, very obvious
		69-70m - sericite 5%, pervasive
		magnetite 2%, spotty clots and disseminations
		trace chalcopyrite
		- trace epidote in fracture fillings
		70-71m - epidote - start of section 1/2%
		- at end of section 5%
		- pyrite - 1% - 2%, in fracture fillngs and in epidote veinlets
71	73.02	Ash tuff
		- dark grey to black with green tint
		- green due to 5% pervasive epidote
		- magnetite pervasive - moderately magnetic
		- pyrite - disseminated, traces
		- chlorite and magnetite pervasive in blackish areas
		- grain size about 0.2mm
		- trace hematite straining on fractures
		71-72m - 4 epidote quartz veinlets, avg. 0.5mm
		72-73m - hematite on fractures

FROM	TO	DESCRIPTION
73.02	74.2	Medium Ash Tuff
		- medium grey
		- same as section 67-71m but
		- sericite 5% pervasive
		- hematite on fractures
		- chalcopyrite-traces disseminated
74.2	76.4	Ash tuff
		- very dark grey and black
		- pyrite 2% disseminated
		- calcite - 2%, pervasive and fracture fillings
		- biotite 5% - 10% - chloritized
		- spotty magnetics
76.4	78.6	Medium Ash tuff
		- medium grey - siliceous
		- same as 67-71m but
		sericite - 5% - 8%, pervasive
		biotite 5% - 8%, altered to sericite
		pyrite - 2%, fracture fillings more than disseminations
78.6	93.88	Ash Tuff
		- remainder of hole is alternating and irregular
		medium grey and dark grey to black sections, all the same rock type just variable percentage of pyrite, magnetite, sericite, chlorite

FROM	TO	DESCRIPTION
		and epidote.
		- core very fragmented
		- pyrite 1%, fracture fillings more than disseminations
		79-80m - dark grey
		- pyrite 2% - 3%
		- quartz-epidote veinlets, avg. 1/2mm with chalcopyrite
		- chlorite 2%
		80-81m - dark
		- quartz-epidote veinlets with chalcopyrite
		chlorite 2%
		81-82m - medium grey
		pyrite 1/2%
		chlorite less than 1%
		82-83m - dark grey
		pyrite 1/2%
		chlorite 2%
		chalcopyrite in quartz veinlets
		83-84m - dark grey
		- pyrite 1% - 2%
		- magnetite - spotty 10%, very strongly magnetic
		chalcopyrite in quartz veinlet
		84-85m - dark grey
		- quartz-epidote veinlets 1% - 2% with chalcopyrite
		- magnetite-spotty, 5%
		85-86m - dark grey

FROM	TO	DESCRIPTION
		quartz-epidote veinlets 2%
		- magnetite-spotty, 5%
		86-87m - medium grey
		quartz-epidote veinlets 2% with chalcopyrite
		magnetite-spotty 5%
		87-88m - dark grey, trace disseminated chalcopyrite
		biotite 5% altered 50% to sericite
		88-89m - mix of dark and medium grey
		biotite 5% altered 50% to sericite
		traces disseminated chalcopyrite
		89-90m - dark grey
		biotite 5%, altered 50% to sericite
		chalcopyrite traces disseminated
		quartz-epidote veinlets - 1%
		90-91m - dark grey
		- chlorite 2%
		- quartz-epidote veinlets less than 1%, with chalcopyrite
		- moderately magnetic, spotty
		91-93.88m - dark grey
		- chlorite 2%
		- moderately magnetic, spotty
		- quartz-epidote veinlets less than 1%
		THE END

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-4

SHEET 1 OF 5

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327669N

(UTM) 347080E

CORE STORED AT: On the Property

LENGTH: 56.69 m

	BEARING	INCLINATION
COLLAR	91°T	-42°
56m		-42°

CORE SIZE: BQ

COMMENCED: September 2, 1985

COMPLETED: September 4, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			Au*
0	3.96	No core - overburden	m		85 PD	m	m	m	oz/ton	%			oz/ton
3.96	10	Drill site fill, soil & andesite lapilli tuff	0	To	1205	10	13	3	0.001	0.02			
10	22.25	Andesite lapilli tuff	3.96	0	1206	13	14	1.0	0.001	0.03			
		lapilli - up to 1.3 cm, 20% - 30%	5.49	15	1207	14	15	1.0	0.001	0.02			
		- pervasive epidote alteration, about 3%	7.92	15	1208	15	16	1.0	0.001	0.02			
		- also 5% - 10% of lapilli without or only	10.06	9	1209	16	17	1.0	0.001	0.02			
		trace epidote alteration	11.58	26	1210	17	18	1.0	0.001	0.02			
		biotite - 5%, avg. 0.2 - 0.3 mm.	12.80	80	1211	18	19	1.0	0.001	0.01			
		- sericitized - about 25%	13.41	85	1212	19	20	1.0	0.001	0.03			
		pyrite - ½%, disseminated	14.02	99	1213	20	22.25	2.25	0.001	0.02			
		Weakly magnetic - disseminated magnetite	14.33	99	1214	22.25	23	0.75	0.001	0.02			
		quartz-epidote veinlets - spotty, up to 2%	14.63	93	1215	23	24	1.0	0.001	0.01			0.002
		18-22.25 m - slightly more felsic appearing.	15.39	28	1216	24	25	1.0	0.001	0.01			0.002
22.25	23.75	Fault? - limonite stained	15.70	99	1217	25	26	1.0	0.005	0.05			0.006
		- highly weathered, clay - quartz - trace pyrite	16.00	99	1113	26	27	1.0	0.011	0.03			
		- light brown to light grey color	16.61	56	1218	27	28	1.0	0.001	0.05			0.002
		- pervasive sericite	16.92	45	1219	28	29	1.0	0.003	0.07			0.002
		- 20 cm of fresh rock - very siliceously altered andesite	17.07	87	1220	29	30	1.0	0.001	0.05			0.004
		- lapilli tuff	17.98	42	1221	30	31	1.0	0.001	0.03			0.002
		- 3-5% pyrite disseminated											

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DRILL HOLE LOG

HOLE NO. PD-85-4

SHEET 2 OF 5

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			Au*
			m		85 PD	m	m	m	oz/ton	%			oz/ton
		- pervasive sericite, about 1+%	18.29	48	1245	31	32	1.0	0.001	0.01			
		- grain size 0.3 - 0.5 m	19.20	25	1222	32	33	1.0	0.005	0.01			0.008
23.75	27	Ash tuff - medium grained	20.12	37	1223	33	34	1.0	0.090	0.01			0.066
		- biotite 5+%, altered to 80% sericite	20.57	64	1224	34	35	1.0	0.330	0.01			0.224
		grain size 0.3- 0.5 mm	22.25	26	1225	35	36	1.0	0.390	0.01			0.268
		pyrite 1% disseminated	23.77	99	1226	36	37	1.0	0.390	0.01			0.388
		24- 25 m - epidote pervasive 2%	25.30	99	1227	37	37.95	0.95	0.348	0.01			0.216
		pyrite 1% - 2%	26.82	84	1228	37.95	40.09	2.14	0.011	0.01			0.008
		25 - 26 m - pyrite 5% - 7% fracture fillings	28.34	99	1229	40.09	41	0.91	0.009	0.07			0.010
		greater than disseminations	29.87	93	1230	41	42	1.0	0.001	0.01			<0.002
		- epidote alteration/ pervasive 2%	31.39	74	1231	42	43	1.0	0.001	0.08			
		magnetite 2%, spotty strong magnetism	31.85	20	1232	43	44	1.0	0.004	0.06			
		- 2 cm vein of pyrite & magnetite at	32.77	86	1233	44	45	1.0	0.001	0.03			
		start of section	34.14	99	1234	45	46	1.0	0.001	0.02			
		- about 10% sandy gauge + clay in	34.68	99	1235	46	47	1.0	0.001	0.05			
		interval	35.97	83	1236	47	48	1.0	0.001	0.10			
		26-27 m - less siliceous	36.42	99	1237	48	49	1.0	0.001	0.06			
		- about a dozen lapilli, up to 1.3 cm.	37.49	85	1238	49	50	1.0	0.001	0.09			
		with 5% pervasive epidote alteration	37.79	87	1239	50	51	1.0	0.012	0.21			
		- magnetite 1-2% disseminated	38.10	74	1240	51	52	1.0	0.005	0.19			
27	31	Ash tuff - medium grained	38.86	82	1241	52	53	1.0	0.009	0.31			
		grain size up to 0.5 mm, equigranular	40.54	44	1242	53	54	1.0	0.004	0.07			
		pyrite 1/2% disseminated	42.06	93	1243	54	55	1.0	0.001	0.09			
		magnetite 1-2% spotty disseminations &	43.59	93	1244	55	56	1.0	0.001	0.13			
		hairline fracture fillings, grain size to 1 mm.											

CONSOLIDATED S. & STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-4

SHEET 3 OF 5

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
			m		85 PD	m	m	m	oz/ton	%			
		- biotite altered to 60% sericite	45.11	95	1246	56	56.69	0.69	0.001	0.12			
		28-29 m - slightly coarser grained	46.63	88									
		- pyrite 1-2%	48.16	87									
		- magnetite ½ - 1%	49.68	88									
		29-31 m - pyrite 1% disseminated	50.90	63									
31	37.95	Ash tuff - medium grey	51.66	99									
		- siliceous alteration pervasive	53.49	75									
		pyrite 2-3% fracture fillings equal to disseminations	55.02	87									
			56.69	84									
		biotite altered to sericite	THE	END									
		total sericite about 3%											
		disseminated magnetite - spotty, weakly magnetic											
		31-32 m - 2 quartz-calcite veinlets, avg. 1 mm											
		hematite stains on a few fractures											
		32-33 m - 4 quartz-calcite veinlets, avg. 1 cm							*Check assays				
		33-34 m - 8 ✓ ✓ ✓, ✓ 1 cm.											
		34-35 m - 15 ✓ ✓ ✓, up to 2 cm											
		- 45° to 90° to core axis, most with minor pyrite											
		- total pyrite 5%											
		35-36 m - 3 quartz veinlets, avg. 2 mm											
		- spotty - very dark grey to black sections, not magnetic											
		36-37 m - 8 quartz veins, poorly developed, irregular											
		pyrite 8-10%, mainly disseminated, decreasing											

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DRILL HOLE LOG

HOLE NO. PD-85-4

SHEET 4 OF 5

FROM	TO	DESCRIPTION
		towards end of interval.
		37-37.95 m - no quartz veinlets
		- pyrite 5%
		- limonite stained, looks quite weathered
37.95	40.09	Andesite Dyke - the footwall dyke.
		- medium grey with light greenish brown tint
		- calcite grains - up to 1 mm - ½ % or less
		- 3 hairline epidote fracture fillings
40.09	42	Andesite Tuff:
		- dark green, fine, moderately magnetic
		- pyrite traces, disseminated
		- trace of chalcopyrite in quartz vein
		- network of hairline to 1 mm veinlets of quartz - chlorite - epidote - sericite.
		1st 10 cm. broken up & cemented by siliceous - sericitic material with a trace of hematite.
		last few cm - increase in epidote alteration
42	56.69	Andesite Tuff
		- dark, blackish grey, mottled appearance
		- grain size about 1 mm
		- interstial hematite & chlorite
		- pyrite trace disseminated
		- not magnetic
		43-44 m - hematite on fractures
		- quartz-epidote veinlets with pervasive epidote in envelopes - a few at 43.5 - 43.6 m.

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DRILL HOLE LOG

HOLE NO. PD-85-4

SHEET 5 OF 5

FROM	TO	DESCRIPTION
		44-45 m - 6 quartz-epidote veinlets
		- pervasive epidote veinlets up to 1 cm wide
		45-46 m - 2 quartz-epidote veinlets
		- last 30 cm - about 2% plagioclase (?) that are completely altered to epidote
		46-47 m - 2 quartz epidote veinlets with epidote envelopes
		2% of ash altered 100% to epidote
		47-48 m - last 30 cm 5% quartz-epidote veinlets
		48-49 m - trace malachite at start of section
		3-4% epidote quartz veinlets
		49-50 m - 2% quartz epidote veinlets
		50-51 m - pyrite traces disseminated & fracture fillings, trace of malachite with pyrite fracture fillings.
		- 1% epidote-quartz veinlets
		51-52 m - trace chalcopyrite (1 patch)
		calcite in veinlets
		52-53 m - 2% quartz-epidote veinlets
		53-54 m - trace chalcopyrite & malachite in quartz vein
		- 3% epidote-quartz veinlets
		- most veinlets 60° to core axis
		54-56.69 m - 2% quartz-epidote veinlets

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DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 1 OF 7

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327669N

(UTM) 347080E

CORE STORED AT: On the Property

LENGTH: 54.25 m

	BEARING	INCLINATION
COLLAR	91°T	-60°
54m		-60°

CORE SIZE: BQ

COMMENCED: September 4, 1985

COMPLETED: September 6, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	5.18	No core - overburden	m		85 PD	m	m	m	oz/ton	%			
5.18	7.25	Andesite Lapilli Tuff	0	To	1247	5.18	7.25	2.07	0.001	0.02			
		- greenish grey	5.18	0	1248	7.25	8	0.75	0.011	0.01			
		lapilli - quite siliceous looking, up to 4.5 cm	5.64	59	1249	8	9	1.0	0.001	0.03			
		avg. 1-1.5 cm, 10% - 20%, 75% of	6.10	78	1250	9	10	1.0	0.001	0.02			
		lapilli pervasively altered to 10-50%	7.01	87	1251	10	11	1.0	0.001	0.02			
		epidote	7.62	98	1252	11	12	1.0	0.001	0.01			
		epidote - 3% pervasive alteration	8.08	87	1253	12	13	1.0	0.001	0.01			
		epidote - quartz - fracture fillings 0.1%	8.53	49	1254	13	14	1.0	0.001	0.01			
		- pyrite - 1/2% disseminated, except for one 17 cm	9.14	57	1255	14	15	1.0	0.001	0.01			
		section of probable talus fragments with	9.45	58	1256	15	16	1.0	0.001	0.01			
		5% pyrite as fracture fillings and	10.67	83	1257	16	17	1.0	0.001	0.01			
		disseminations.	10.97	91	1258	17	18	1.0	0.001	0.01			
		Contact at 7.25 m - sharp, irregular, 30° to	12.50	92	1259	18	19	1.0	0.001	0.01			
		core axis	14.17	93	1260	19	20	1.0	0.001	0.01			
7.28	8	Andesite Crystal - Lapilli Tuff	15.70	92	1261	20	21	1.0	0.001	0.01			
		medium grey	16.15	44	1262	21	22	1.0	0.001	0.01			
		feldspars - 30% - 40%, avg 1 mm., 5% pervasive	17.37	107	1263	22	23	1.0	0.001	0.01			
		epidote alteration	18.75	81	1264	23	24	1.0	0.001	0.01			

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DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 2 OF 7

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			Au*
			m		85 PD	m	m	m	oz/ton	%			oz/ton
		- rounded ash - 1 mm to 1.5 mm, 5%	19.50	73	1265	24	25	1.0	0.001	0.01			
		- With 25% epidote alteration	19.96	79	1266	25	26	1.0	0.001	0.01			
		pyrite - trace, disseminated	20.87	73	1267	26	27	1.0	0.001	0.01			
		epidote - pervasive 3-5%	21.49	99	1268	27	28	1.0	0.001	0.01			
		Mafics - altered to chlorite, epidote & sericite	22.25	82	1269	28	29	1.0	0.009	0.01			
		Moderately magnetic towards end of interval.	22.86	45	1270	29	30	1.0	0.002	0.01			
8	26	Altered Andesite Crystal-Lapilli Tuff	23.71	60	1271	30	31	1.0	0.001	0.01			
		- dark grey to blackish	24.54	90	1272	31	31.55	0.55	0.002	0.01			
		- hematite traces on fractures, moderately magnetic	24.99	51	1273	31.55	32	0.45	0.003	0.01			
		epidote fracture filling & pervasive alteration	26.52	44	1274	32	33	1.0	0.054	0.01			0.056
		5-6%	27.43	87	1275	33	34	1.0	0.075	0.01			0.058
		- feldspars 30-40%	28.50	99	1276	34	35	1.0	0.152	0.06			0.140
		- pyrite, traces disseminated	30.02	95	1277	35	36	1.0	0.678	0.42			0.400
		9-10 m - epidote fracture fillings 15° to 45° to	31.70	83	1278	36	37	1.0	0.008	0.01			0.010
		core axis	33.22	80	1279	37	38	1.0	0.078	0.01			0.072
		10-12 m - spotty epidote fracture fillings 20° to	34.75	91	1280	38	39	1.0	0.113	0.02			0.154
		25% to core axis	35.97	69	1281	39	40	1.0	0.013	0.01			0.020
		12-13 m - spotty epidote fracture fillings 20° to	37.49	98	1282	40	41	1.0	0.063	0.01			
		25% to core axis	39.01	97	1283	41	42	1.0	0.027	0.01			
		- a few aphanitic lapilli	39.62	73	1284	42	43	1.0	0.109	0.01			
		13-14 m - numerous hairline epidote fracture	41.14	92	1285	43	44	1.0	0.026	0.01			
		fillings 45% to core axis	42.06	99	1286	44	45	1.0	0.032	0.01			
		14-15 m - spotty epidote fracture fillings 20° to	42.98	89	128[illegible]	45	45.66	0.66	0.001	0.01			
		25° to core axis	43.59	84	1288	45.66	48.07	2.41	0.001	0.01			

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DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 3 OF 7

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		15-22 m - spotty epidote fracture fillings 20° to	m		85 PD	m	m	m	oz/ton	%			
		25° to core axis	44.20	79	1289	48.07	49	0.93	0.005	0.15			
		- total epidote decreased to 3-5%	45.11	77	1290	49	50	1.0	0.004	0.05			
		22-25 m - epidote decreased to 1-2%	46.02	96	1291	50	51	1.0	0.001	0.04			
		25-26 m - becoming lighter gray in color	47.24	74	1292	51	52	1.0	0.003	0.04			
		- feldspars becoming indistinct	48.46	74	1293	52	53	1.0	0.001	0.09			
		- gradual change of alteration to next	49.38	99	1294	53	54.25	1.25	0.001	0.05			
		section	50.90	93									
26	31.55	Andesite crystal - lapilli Tuff	52.58	80									
		- same rock type as last section but different	54.25	93									
		alteration	THE	END									
		- medium gray to darkish gray											
		- feldspars only occasionally distinct							*Check assays				
		- sericite pervasive 5+%											
		- Chlorite pervasive 1% or less (only a faint											
		green tint)											
		pyrite 1% fracture fillings & disseminations											
		26-27 m - few discontinuous quartz-calcite											
		veinlets, avg. less than 1 mm wide											
		27-28 m - pyrite 1½% with fracture fillings &											
		veins greater than disseminations											
		& quartz-calcite-pyrite veins											
		28-29 m - occasional foliated appearance											

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 4 OF 7

FROM	TO	DESCRIPTION
		29-31.55 - occasional foliated appearance
		- spotty weak magnetism - especially in darker colored areas in last half of interval
		pyrite 1½ - 2%
		epidote fracture fillings - trace over last half of interval
		- few lapilli with pervasive epidote alteration in last 85 cm of interval
31.55	45.66	Altered Crystal - Lapilli Tuff - Main gold-bearing zone.
		- fine grained, medium gray
		- Very siliceous - alteration, pervasive
		- sericite alteration pervasive 3-5%
		- pyrite disseminations & fracture fillings about equal
		31.56 - 32 m - transition to next intervals which are finer grained and more intensely silicified
		- pyrite 1½ - 2%
		- lapilli up to 1 cm.
		32-33 m - pyrite 3-5%, 5% spotty
		8 quartz veins with minor pyrite, avg 1.5 mm, 40° - 50° to core axis
		33-34 m - pyrite 3-5%
		9 quartz veins, avg 1.5 mm, 40°-50° to core axis
		generally barren
		34-35 m - pyrite 5-8%
		Very fine grained to aphanitic
		12 quartz veins with minor pyrite & trace chalcopyrite, avg. 2-3 mm
		35-36 m - pyrite 5-8%
		- Very fine grained to aphanitic
		- 3 quartz veins with pyrite & chalcopyrite, avg. 1 mm.

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DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 5 OF 7

FROM	TO	DESCRIPTION
		36-37 m - pyrite 1-2%
		- 3 barren quartz veins
		- core very broken up
		37-38 m - pyrite 1-2%
		- 5 quartz veins with minor pyrite
		- epidote traces in envelopes about quartz veins
		38-39 m - pyrite 2%, fracture fillings greater than disseminations
		- 12 quartz - pyrite veins
		- hematite traces on fractures at end of interval
		39-40 m - pyrite 1-2%
		5 quartz - pyrite veins
		(39.4-39.5 m) - fault gouge, 10° to core axis
		- foliation on fault face 45° to core axis
		(39.5 to 39.7 m) - magnetite 5% disseminated
		- sericite altered biotite visible
		40-41 m - pyrite 2%, fracture fillings greater than disseminations
		- limonite on fractures
		- 5 quartz veins with very minor pyrite, avg. 2-3 mm.
		- occasional moderate foliation
		41-42 m - moderate foliation 40° to core axis
		- pyrite 2%
		- limonite on fractures
		- weakly magnetic
		- slightly coarser grained
		- 7 quartz - pyrite veins, avg 1-2 mm.

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-6

FROM	TO	DESCRIPTION
		42 - 44 m - Moderately foliated 40° to core axis
		- Pyrite 1%
		- epidote altered coarse ash, avg 3 mm.
		- Weakly magnetic
		- 7 quartz - pyrite veins, avg 1 - 2 mm.
		- faint breccia 43.1 - 43.15 m, 45° to core axis
		44 - 45 m - pyrite, spotty 1/2 % to trace
		- Moderate foliation 40% to core axis
		- epidote pervasive 10% - 44.1 - 44.3 m.
		- Weakly magnetic
		45 - 45.66 m - Moderately foliated 40° to core axis
		- pyrite trace
		- calcite fracture fillings, 80° to core axis
45.66	48.07	Andesite Dyke - The footwall dyke.
		- same description as previous holes
		48.07 m contact 65° to core axis, 1.5 cm gouge
48.07	50	Andesite Tuff
		- dark green
		- Chlorite pervasive 5%
		- pyrite trace disseminated
		48.25 - 48.40 m - foliated 40° to core axis
		- quartz - calcite - pyrite veinlets
		48.75 - 49.03 m - silicified - hairline quartz veinlets & pervasive silica
		- epidote 2 - 3% pervasive
		49 - 50 m - pyrite 0.1% in fracture fillings

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DRILL HOLE LOG

HOLE NO. PD-85-5

SHEET 1 OF 1

FROM	TO	DESCRIPTION
		49.92 - 50 m - silicified, 1% pyrite disseminated
50	54.25	Andesite Tuff
		- Coarser grained than previous section
		- avg. grain size about 1/2 mm
		- pyrite trace disseminated
		- 1/2 % epidote - quartz fracture fillings with trace calcite
		- chlorite pervasive 2-3%
		51-52 m - epidote 1% pervasive
		52-53 m - epidote 2% ✓ in ash
		53-54.25 m - ✓ 2% ✓ ✓ ✓
		- last 25 cm weathered & broken up.

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DRILL HOLE LOG

HOLE NO. PD-85-6

SHEET 1 OF 8

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327669N

(UTM) 347080E

CORE STORED AT: On the Property

LENGTH: 66.45 m

	BEARING	INCLINATION
COLLAR	91°T	-75°
66.4m		-75°

CORE SIZE: BQ

COMMENCED: September 6, 1985

COMPLETED: September 8, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	5.03	No core - overburden	m		85 PD	m	m	m	oz/ton	%			
			RECORD		1295	5.03	6	0.97	0.001	0.01			
5.03	20.85	Ash - crystal tuff	LOST		1296	6	7	1.0	0.001	0.01			
		- dark grey with blackish tint			1297	7	8	1.0	0.001	0.01			
		- moderately magnetic			1298	8	9	1.0	0.001	0.01			
		- feldspar crystals - 30+%			1299	9	10	1.0	0.001	0.01			
		mafics - completely altered to sericite			1300	10	11	1.0	0.001	0.01			
		Plus (chlorite?)			1301	11	12	1.0	0.001	0.02			
		- somewhat golden color			1302	12	13	1.0	0.001	0.01			
		- very indistinct			1303	13	14	1.0	0.001	0.01			
		2% coarse ash up to 2mm			1304	14	15	1.0	0.001	0.01			
		pyrite - trace disseminated			1305	15	16	1.0	0.004	0.01			
		epidote - 2% - 30% - pervasive alteration			1306	16	17	1.0	0.001	0.01			
		of ash, fracture fillings			1307	17	18	1.0	0.001	0.01			
		and pervasive in envelopes			1308	18	19	1.0	0.001	0.01			
		around fracture fillings			1309	19	20	1.0	0.001	0.01			
		fracture fillings - 30° to core axis			1310	20	20.85	0.85	0.001	0.02			
		6-7m - trace of pyrite and limonite on			1311	20.85	21.85	1.0	0.001	0.01			
		epidote fracture fillings			1312	21.85	23	1.15	0.001	0.01			

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DRILL HOLE LOG

HOLE NO. PD-85-6

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		12-13m - epidote up to 5%, pervasive, spotty	m		85 PD	m	m	m	oz/ton	%			
		18-19m - 80% of section medium grey and			1313	23	24	1.0	0.001	0.01			
		not magnetic			1314	24	25	1.0	0.001	0.01			
		19-20m - 20% of section medium grey and			1315	25	26	1.0	0.001	0.01			
		not magnetic			1316	26	27	1.0	0.001	0.01			
		20-20.85m - 80% of section medium grey and			1317	27	28	1.0	0.001	0.01			
		not magnetic			1318	28	29	1.0	0.001	0.01			
		one 6cm section with 1% pyrite			1319	29	30	1.0	0.001	0.01			
		- siliceous alteration 20.11-20.13m			1320	30	31	1.0	0.001	0.01			
		- gouge at 20.85m - 70° to core axis			1321	31	32	1.0	0.001	0.01			
					1322	32	33	1.0	0.001	0.03			
20.85	21.85	Silicified tuff			1323	33	34	1.0	0.031	0.03			
		- medium grey, very fine grained			1324	34	35	1.0	0.001	0.01			
		- very siliceous			1325	35	36	1.0	0.003	0.01			
		- pyrite, trace disseminated			1326	36	37	1.0	0.029	0.01			
		6 quartz - epidote, avg. 1mm			1327	37	38	1.0	0.033	0.01			
		contact at 21.85m - 40° to core axis			1328	38	39	1.0	0.004	0.03			
					1329	39	40	1.0	0.048	0.01			
21.85	32.60	Ash-crystal tuff			1330	40	41	1.0	0.144	0.01			
		- same as 5.03 - 20.85m			1331	41	42	1.0	0.182	0.01			
		24-25m - last 20cm - lapilli up to 3.5cm,			1332	42	43	1.0	0.122	0.01			
		with 10% - 20% pervasive epidote			1333	43	44	1.0	0.038	0.02			
		alteration			1334	44	45	1.0	0.075	0.01			
		25-26m - weak to moderately magnetic			1335	45	46	1.0	0.19	0.01			
		- slightly lighter color			1336	46	47	1.0	0.062	0.01			

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-6

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		- 10% lapilli, avg. 8mm, with pervasive	m		85 PD	m	m	m	oz/ton	%			
		epidote alteration.			1337	47	48	1.0	0.066	0.13			
		26-27m - 10% lapilli, avg. 8mm, with pervasive			1338	48	49	1.0	0.143	0.04			
		epidote alteration.			1339	49	50	1.0	0.140	0.01			
		- epidote 3% - 5%, more pervasive			1340	50	51	1.0	0.005	0.01			
		alteration of lapilli than in veinlets			1341	51	52	1.0	0.060	0.10			
		(½% in veinlets)			1342	52	53	1.0	0.041	0.03			
		27-28m - epidote 2% - 3%, lapilli becoming			1343	53	54	1.0	0.089	0.01			
		less distinct.			1344	54	55	1.0	0.110	0.01			
		28-29m - epidote 2% - 3%, lapilli less distinct			1345	55	56	1.0	0.142	0.01			
		29-30m - epidote 2% - 3%, lapilli less distinct			1346	56	57	1.0	0.107	0.16			
		at 29.4m - an 8mm dyke, 57° to			1347	57	58.09	1.09	0.019	0.02			
		core axis,			1348	58.09	60.69	2.60	0.009	0.01			
		- dark grey, very fine grained, hard,			1349	60.69	62	1.31	0.034	0.20			
		siliceous			1350	62	63	1.0	0.001	0.05			
		- cut by fault at 20° to core axis,			1351	63	64	1.0	0.002	0.03			
		2.6cm movement			1352	64	65	1.0	0.001	0.03			
		30-31m - epidote 2% - 3%, lapilli less distinct			1353	65	66.45	1.45	0.023	0.18			
		- at 30.17m - a 6mm dyke - 50° to											
		core axis											
		- same as dyke at 29.4m.											
		31-32.6m - epidote 2% - 3%, lapilli indistinct											

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-6

FROM	TO	DESCRIPTION
32.60	58.09	Altered ash-crystal tuff
		-difficult to distinguish due to silicification and sericitization but is same rock type
		as previous section
		sericite-pervasive 2%-3%
		weak chloritization of mafics
		Pyrite 1% - disseminations equal to fracture fillings
		weakly to moderately (spotty) magnetic
		-dark grey
		-epidote pervasive in lapilli and ash
		33.21m - foliation 30° to core axis, for 1cm
		37-38m - pyrite increasing in this section to 2% at end of interval
		38-39m - Pyrite 2%-3%
		39-40m - pyrite 3%-4%, fracture filling greater than disseminations
		- 1cm vein of pyrite at 39.8m
		- more siliceous
		40-41m - Pyrite 3%-4%
		2 quartz-calcite veinlets, avg. 8mm, 45° to core axis
		-Pyrite selvages along one veinlet
		41-42m - very siliceous but lithic fragments still visible - pervasive silification
		-quartz veinlets - 3%
		sericite - pervasive 5+%
		pyrite 3%-5%
		42-43m - very siliceous, pervasive silicification
		quartz veinlets - 3%
		sericite-pervasive 5+%

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-6

SHEET 5 OF 8

FROM	TO	DESCRIPTION
		Pyrite 5%-8% disseminated more than fracture fillings
		43-44m - very siliceous, pervasive silicification
		- few lithic fragments visible
		Pyrite 5%-7%, fracture fillings greater than disseminations
		sericite pervasive 5+%
		quartz veinlets 3%
		44-45m - a little darker color
		sericite pervasive 5+%
		quartz veinlets 3%
		Pyrite 3%-5%, disseminations greater than fracture fillings
		weakly magnetic in darker areas at end of interval
		45-46m - very siliceous - light grey
		Pyrite 1%-2%, disseminations equal to fracture fillings
		& quartz veinlets avg. 1-2mm.
		sericite pervasive 5+%
		46-47m - Pyrite 2%-3% fracture fillings greater than disseminations
		2 Pyrite veins about 1cm wide
		very siliceous - light grey
		sericite pervasive 5+%
		48-49m - Pyrite 5%-8%, fracture fillings greater than disseminations
		pyrite veins total 1cm wide at 48-48.15m - 10° to core axis
		very siliceous - light grey
		49-50m - very siliceous - light grey
		pyrite 3%-5%
		50-51m - very siliceous - light grey

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-6

SHEET 6 OF 8

FROM	TO	DESCRIPTION
		- pyrite 1-2%, disseminated greater than fracture fillings
		51-52 m - Very siliceous, light grey
		pyrite 1-2%
		limonite stained, trace of malachite on fractures
		Chalcopyrite in pyrite fracture fillings.
		52-53 m - Very siliceous - light grey
		pyrite 2-3%
		limonite stained fractures
		2 quartz - pyrite veins, avg. 0.5 cm - 60° to core axis
		53-54 m - Very siliceous - light grey
		pyrite 3-4%
		54-55 m - not magnetic
		pyrite 1-2% dissemination greater than fracture fillings
		55-56 m - dark grey to blackish
		aphanitic to very fine grained
		Coarse ash visible, avg. 1-1.5 mm
		pyrite 1%, disseminated
		2 epidote - quartz veinlets avg. 3 mm
		Weakly magnetic
		56-57.63 m - dark grey to blackish
		pyrite 1/2% disseminated
		10% ash - pervasive epidote alteration
		weak limonite staining
		57.63-58.03 m - spotted appearance
		10% mafics altered to sericite

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DRILL HOLE LOG

HOLE NO. PD-85-6

FROM	TO	DESCRIPTION
58.09	60.69	Andesite Dyke - The footwall dyke. - Same description as other holes - 2 quartz veinlets - 1½ mm, 40° to core axis
60.69	62	Andesite Tuff - dark green Chlorite pervasive 2-3% Pyrite ½ % - disseminated & fracture fillings Chalcopyrite - traces disseminated Calcite in quartz veinlets - discontinuous
62	66.45	Andesite Tuff dark grey fairly siliceous looking pyrite ½ % disseminated & fracture fillings pericite 1-2%, pervasive few crystals & coarser ash visible trace disseminated chalcopyrite 63-64 m - pyrite less than ½ % - epidote about 1%, pervasive in quartz veinlets 64-65 m - epidote 3% Gouge at 64.75 m 65-66.45 m - Coarser grained pyrite - trace to ½%, variable epidote - pervasive about 2%

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DRILL HOLE LOG

HOLE NO. PD-85-6

SHEET 8 OF 8

FROM	TO	DESCRIPTION
		- quartz veinlets - 1/2%, discontinous
		- limonite traces on fractures
		- trace malachite on ✓
		- spotty foliation - 40° to core axis

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DRILL HOLE LOG

HOLE NO. PD85-7

SHEET 1 OF 6

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327670N

(UTM) 347080E

CORE STORED AT: On the Property

LENGTH: 49.83 m

	BEARING	INCLINATION
COLLAR	45°	-45°
45m		-46°

CORE SIZE: BQ

COMMENCED: September 8, 1985

COMPLETED: September 12, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	3.51	No core - overburden	m		85 PD	m	m	m	oz/ton	%			
			0	To	1354	12	13	1.0	0.001	0.01			
3.51	12	Mix of rock and highly weathered rock	3.51	0	1355	13	5	2.0	0.001	0.02			
		Andesitic lapilli tuff	11.89	20	1356	15	16	1.0	0.001	0.02			
		- epidote alteration - pervasive in 20% - 30%	12.65	130	1357	16	17	1.0	0.001	0.02			
		of lapilli	12.80	87	1358	17	18	1.0	0.001	0.01			
		- also minor fracture fillings	13.41	36	1359	18	19	1.0	0.001	0.04			
		pyrite - trace disseminated	14.94	22	1360	19	20	1.0	0.001	0.04			
			15.24	83	1361	20	21	1.0	0.001	0.03			
12	21	Andesite lapilli Tuff	15.70	33	1362	21	22	1.0	0.001	0.02			
		- dark grey, weak to moderately magnetic	16.00	57	1363	22	22.78	0.78	0.001	0.02			
		lapilli - up to 2cm	16.46	76	1364	22.78	23.25	0.47	0.001	0.01			
		epidote - pervasive in 20% - 30% of lapilli	16.76	83	1365	23.25	24	0.75	0.001	0.02			
		- fracture fillings ½% or less,	17.37	80	1366	24	25	1.0	0.001	0.04			
		avg. 0.3mm, but up to 1mm,	18.29	83	1367	25	26	1.0	0.001	0.01			
		random orientations	18.75	33	1368	26	27	1.0	0.001	0.01			
		pyrite - trace disseminated	18.90	180	1369	27	28	1.0	0.001	0.01			
		mafics - 5% - 8%, very strongly chloritized	19.20	20	1370	28	29	1.0	0.002	0.01			

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DRILL HOLE LOG

HOLE NO. PD-85-7

SHEET 2 OF 6

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		12-13m - epidote in fracture fillings ½% - 1%	m		85 PD	m	m	m	oz/ton	%			
		17-18m - few vague, altered plagioclase	19.51	42	1371	30	31	1.0	0.001	0.01			
		crystals visible.	20.12	48	1372	30	31	1.0	0.001	0.01			
		20-21m - lighter grey color	20.73	95	1373	31	32.31	1.31	0.035	0.01			
		epidote - in lapilli decreased to 3% - 4%	21.18	89	1374	32.31	33	0.69	0.060	0.01			
		- little in fracture fillings	22.40	35	1375	33	34.14	1.14	0.075	0.01			
		pyrite ½% disseminations much	22.71	68	1376	34.14	34.75	0.61	0.002	0.02			
		more than fracture fillings	24.23	86	1377	34.75	36.62	1.87	0.001	0.01			
		weakly magnetic	24.69	61	1378	36.62	37.19	0.57	0.005	0.01			
			26.37	77	1379	37.19	38	0.81	0.001	0.01			
21	31	Andesite Crystal - Lapilli Tuff	28.04	74	1380	38	39	1.0	0.001	0.01			
		Plagioclase 5% - 10%	28.35	55	1381	39	40	1.0	0.002	0.01			
		medium grey	29.26	88	1382	40	41	1.0	0.007	0.01			
		pyrite - disseminations greater than fracture	29.87	38	1383	41	42	1.0	0.052	0.01			
		fillings	30.78	89	1384	42	43	1.0	0.020	0.01			
		sericitization and silicification increase	31.39	64	1385	43	44	1.0	0.007	0.03			
		along section	32.31	91	1386	44	45	1.0	0.001	0.02			
		epidote - pervasive in lapilli 3% - 4%	32.92	69	1387	45	46	1.0	0.001	0.04			
		- little in fracture fillings	34.14	67	1388	46	47	1.0	0.001	0.11			
		21-22m - pyrite trace	34.75	85	1389	47	48	1.0	0.003	0.06			
		sericite - weak alteration	35.97	89	1390	48	49	1.0	0.001	0.08			
		22-22.78 - pyrite ½%	37.64	90	1391	49	49.83	0.83	0.001	0.07			

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DRILL HOLE LOG

HOLE NO. PD-85-7

SHEET 3 OF 6

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH					
		- first 2cm rusty, sandy (fault?)	m										
		22.78-23.25 - very siliceous	39.01	96									
		- light greyish white	40.54	97									
		- pyrite 1%	42.06	99									
		23.25-24m - pyrite 1%	43.59	91									
		sericite pervasive 3%-5%	45.11	100									
		- few lapilli visible	46.63	100									
		24-25m - pyrite 2%-3% disseminations	48.16	88									
		about equal to fracture fillings	49.68	93									
		- abundant lapilli with pervasive	49.83	93									
		epidote											
		sericite 3%-5%	THE	END									
		25-26m - pyrite 2%-3% for first 25cm											
		pyrite 1%-2% for last 75cm											
		sericite 3%-5%											
		26-27m - pyrite 1%-2%											
		- sericite 3%-5%											
		lapilli have very siliceous appearance											
		27-28m - few lapilli visible											
		- sericite 3%-5% pervasive and											
		fracture fillings											
		pyrite 1%											
		28-29m - pyrite up to 2%, spotty											
		1 quartz veinlet with trace											
		pyrite, 1mm wide											

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DRILL HOLE LOG

HOLE NO. PD-85-7

SHEET 4 OF 6

FROM	TO	DESCRIPTION
		Sericite 3% - 5%
		29-30m - pyrite 1%
		- sericite 3% - 5%
		- 5% mafics completely sericitized
		30-31m - pyrite ½% - 1%
		quartz-epidote veinlets 1%
31	34.14	Altered Tuff - The gold-bearing zone
		- dark to medium grey
		pyrite-disseminations about equal to fracture fillings
		sericite - 5+%, pervasive and fracture fillings
		31-32.31 - pyrite 1%
		1% quartz veinlets with a little epidote, avg. 0.8mm, 60° to 70° to core axis
		last 31cm silica flooding
		32.31 - 34.14m - pyrite 5%
		10% silica as pervasive alteration an veining
34.14	34.75	Lamprophyre Dyke (?)
		- dark blackish brown
		- biotite 40%
		- moderately magnetic
		- contains rock fragments - 2% - 3%
34.75	36.62	Andesite Dyke - The footwall dyke
		- same description as previous holes

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DRILL HOLE LOG

HOLE NO. PD-85-7

SHEET 5 OF 6

FROM	TO	DESCRIPTION
36.62	37.19	Andesite Tuff
		1st half - dark green, well foliated
		3% quartz veins - discontinuous
		- foliation 50° to core axis
		pyrite, trace disseminated
		2nd half - light green, moderately foliated
		- quartz veins ½%, discontinuous
		contact at 37.19 - 80° to core axis, broken apart
37.19	44	Andesite - Coarse Ash Tuff
		- medium green with greyish tint
		coarse ash to 3.5mm
		epidote - pervasive in ash, 20% to 30%
		- total 2% - 3% of whole rock
		sericite pervasive 1% - 2% (?)
		Pyrite - rare disseminated trace
		39-40m - 3 quartz veinlets, avg. 1mm
		epidote pervasive 5% - 10% for 15cm section, in areas of weak foliation - 30° to
		core axis.
		40-41m - becoming more grey in color
		41-42m - grey, pyrite ¼% disseminated
		3 quartz veinlets, avg. 1mm
		42-43m - grey, pyrite ¼%
		epidote - pervasive in ash - 10%
		- 1% of whole rock

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-7

SHEET 6 OF 6

FROM	TO	DESCRIPTION
		mafics 10%-15%, slightly more visible
		43-44m - dark grey to blackish
		weakly magnetic
		Pyrite ½% disseminated
		epidote ½% - 1%
		(the major change in this interval is magnetism and chloritization)
		mafics - more visible - all chloritized
44	44.31	Andesite Dyke
		- green, fine-grained
		- sharp, slightly irregular contacts
		44.0m contact - 20° to core axis
		44.31m contact - 50° to core axis
44.31		Andesite - Coarse Ash tuff
		grey, coarse ash to 3.5mm
		pyrite - trace disseminated
		44.76-45m - epidote pervasive 2%-3%
		- 7 quartz veinlets, avg. 1mm, 70° to core axis
		45-46m - Pyrite ¼% - ½% - fracture fillings greater than disseminations
		2% epidote - quartz veinlets
		46-47m - 1% epidote - quartz veinlets
		Pyrite ¼% - ½%
		47-48m - rare pervasive epidote in ash
		48-49.83m - rare pervasive epidote in ash, pyrite - trace to 0.1%

CONSOLIDATED SILVE ANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 1 OF 9

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327670 N

(UTM) 347078 E

CORE STORED AT: On the property

LENGTH: 85.5 m

	BEARING	INCLINATION
COLLAR	330°	-62°
81m		-62°

CORE SIZE: BQ

COMMENCED: September 13, 1985

COMPLETED: September 15, 1985

LOGGED BY: M. Holtby

SAMPLED BY: J. Bacon

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	3.96	No core - overburden	m		85 PD-	m	m	m	oz/ton	%			
			0	To	1392	6	7	1.0	0.001	0.02			
3.96	13	Andesitic lapilli tuff	3.96	0	1393	7	8.51	1.51	0.001	0.01			
		medium grey	4.57	77	1394	8.51	8.90	0.39	0.001	0.01			
		lapilli - up to 1cm	6.10	78	1395	8.90	10	1.10	0.001	0.02			
		- 30%	6.71	62	1396	10	11	1.0	0.001	0.02			
		- epidote alteration - pervasive	7.01	117	1397	11	12	1.0	0.001	0.02			
		- 0 to 40%	7.32	77	1398	12	13	1.0	0.001	0.01			
		weakly magnetic, epidote-quartz	8.23	90	1399	13	14	1.0	0.001	0.01			
		fracture fillings 1%	8.84	54	1400	14	15	1.0	0.001	0.03			
		mafics - 5%, chloritized	9.60	11	1401	15	16	1.0	0.001	0.06			
		pyrite - disseminated, 0.1% in matrix	10.21	77	1402	16	17	1.0	0.001	0.01			
		and lapilli	10.97	59	1403	17	18	1.0	0.001	0.02			
		6 - 8.51m - darker grey, few lapilli,	11.73	112	1404	18	18.77	0.77	0.022	0.04			
		feldspar crystals apparent but	12.34	51	1405	18.77	20	1.23	0.001	0.02			
		vague, trace hematite on fractures	13.11	87	1406	20	21	1.0	0.001	0.02			
		8.51 - 8.90m - pyrite, 1% disseminated	13.41	57	1407	21	22	1.0	0.003	0.02			
		epidote - quartz fracture	14.94	96	1408	22	22.70	0.70	0.001	0.01			
		fillings 5%	16.15	96	1409	22.70	24.23	1.53	0.001	0.01			

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DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 2 OF 9

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		10-11m - darker grey, feldspar crystals	m		85PD-	m	m	m	oz/ton	%			
		vague	17.68	95	1410	24.23	25.30	1.07	0.002	0.09			
		11-12m - darker grey, vague feldspar	18.44	67	1411	25.30	26	0.70	0.001	0.01			
		crystals, pyrite ½%	18.90	96	1412	26	27	1.0	0.001	0.01			
		12-13m - darker grey, vague feldspar crystals,	19.20	77	1413	27	27.84	0.84	0.001	0.01			
		few lapilli visible	20.73	97	1414	27.84	29	1.16	0.001	0.01			
13	22.70	Crystal - ash tuff with minor lapilli	22.25	95	1415	29	30	1.0	0.001	0.01			
		- similar to previous sections but	23.16	85	1416	30	31	1.0	0.001	0.01			
		lapilli fewer and feldspar crystals	23.47	52	1417	31	32	1.0	0.001	0.01			
		more commonly visible	24.23	57	1418	32	33	1.0	0.001	0.01			
		- dark grey, pyrite disseminated ¼%	25.30	63	1419	33	34	1.0	0.001	0.01			
		weak to moderately magnetic	26.06	103	1420	34	35	1.0	0.001	0.01			
		epidote-quartz veinlets 1%	26.67	41	1421	35	36	1.0	0.001	0.01			
		15-16m - pyrite ½% disseminations	26.97	33	1422	36	37	1.0	0.003	0.01			
		greater than fracture fillings	27.28	84	1423	37	38	1.0	0.001	0.01			
		epidote-quartz fracture	28.35	74	1424	38	39	1.0	0.001	0.01			
		filling 1½%	28.65	97	1425	39	40	1.0	0.001	0.01			
		17-18m - 10% lapilli, lighter grey, pyrite	29.87	85	1426	40	41	1.0	0.017	0.01			
		½%	30.94	102	1427	41	42	1.0	0.004	0.01			
		18-18.77m - pyrite 3%-5%, trace	31.39	53	1428	42	43	1.0	0.001	0.01			
		malachite in first 5cm,	31.85	89	1429	43	44	1.0	0.001	0.01			
		epidote fracture filling 1%	32.92	86	1430	44	45	1.0	0.002	0.01			
		in first 10cm	33.68	107	1431	45	46	1.0	0.002	0.01			
		20-22.70 - 2 quartz veins with	34.44	74	1432	46	47	1.0	0.001	0.01			
		chalcopyrite and malachite,	36.12	83	1433	47	48	1.0	0.001	0.01			

CONSOLIDATED SILV. STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		40° to core axis, 1cm wide,	m		85PD-	m	m	m	oz/ton	%			
		chlorite selvages.	36.27	93	1434	48	49	1.0	0.001	0.01			
		epidote fracture fillings 40°-60°	37.49	98	1435	49	50	1.0	0.001	0.01			
		to core axis.	38.71	92	1436	50	51	1.0	0.001	0.01			
			40.39	86	1437	51	52	1.0	0.006	0.01			
22.70	27.84	Coarse ash tuff	41.15	118	1438	52	53	1.0	0.001	0.01			
		- light grey, silicified, sericite alteration	42.67	83	1439	53	54	1.0	0.001	0.01			
		pervasive 1% - 2%	44.20	89	1440	54	55	1.0	0.001	0.01			
		- pyrite ½%, disseminations greater	45.87	84	1441	55	56	1.0	0.001	0.01			
		than fracture fillings	46.94	81	1442	56	57	1.0	0.001	0.01			
		- epidote - 1% pervasive in ash	48.62	79	1443	57	58	1.0	0.001	0.01			
		- ½% in thin fracture fillings	49.07	104	1444	58	59	1.0	0.001	0.01			
		24.33-25.30m - medium grey, weakly magnetic,	49.68	48	1445	59	60	1.0	0.001	0.01			
		only one lapilli (1.1cm) visible	49.99	48	1446	60	61	1.0	0.001	0.01			
		pyrite ½% to 1%, trace	50.44	73	1447	61	62	1.0	0.001	0.01			
		chalcopyrite in fractures	50.75	139	1448	62	63	1.0	0.003	0.01			
		- one quartz vein 60° to	52.43	83	1449	63	64	1.0	0.001	0.01			
		core axis, 1cm wide, with	52.58	93	1450	64	65	1.0	0.001	0.01			
		minor chlorite	53.49	112	1451	65	66	1.0	0.002	0.01			
		25.30-27.4m - pyrite 0.1% or less, epidote	54.10	44	1452	66	67	1.0	0.003	0.01			
		pervasive in ash (20% of ash),	55.78	80	1453	67	68	1.0	0.001	0.01			
		epidote ¼% in quartz	57.15	60	1454	68	69	1.0	0.003	0.02			
		fracture fillings	57.61	30	1455	69	70	1.0	0.034	0.17			
		sericite pervasive 2% - 3%	58.06	84	1456	70	71	1.0	0.030	0.01			
		27.4 - 27.84m - epidote pervasive 5%	58.83	69	1457	71	72	1.0	0.015	0.04			

CONSOLIDATED SILV STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 4 OF 9

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		pyrite ½%, rusty, weathered	m		85 PD-	m	m	m	oz/ton	%			
		contact at 27.84m - 50° to core axis	59.74	77	1458	72	73	1.0	0.027	0.01			
		- 5mm quartz - epidote	60.35	79	1459	73	74	1.0	0.031	0.12			
		vein along contact	61.26	74	1460	74	75	1.0	0.308	0.10			
			61.87	97	1461	75	76	1.0	0.598	0.09			
27.84	38	Crystal - ash tuff with minor lapilli	62.79	82	1462	76	77	1.0	0.010	0.08			
		dark grey	64.01	59	1463	77	78	1.0	0.036	0.79			
		moderately magnetic	64.92	80	1464	78	79	1.0	0.005	0.30			
		epidote fracture fillings 0.2%	65.68	87	1465	79	80	1.0	0.013	0.11			
		mafics 10%	67.21	96	1466	80	81	1.0	0.049	0.60			
		few lapilli visible	67.97	84	1467	81	82	1.0	0.024	0.24			
		pyrite - trace to 0.1%	68.28	42	1468	82	83	1.0	0.033	0.21			
		29-30m - epidote fracture fillings 2%-3%	69.49	106	1469	83	84	1.0	0.007	0.05			
		30-31m - epidote fracture fillings 2%	70.41	86	1470	84	85	1.0	0.005	0.02			
		31-32m - not magnetic, few feldspars	72.09	95	1471	85	85.5	0.5	0.078	0.06			
		visible, also a few lapilli	73.00	78									
		33.55-34m - lighter color, epidote fracture	74.07	93									
		fillings 20% - 30%	76.05	89									
		1 quartz vein 40° to core	76.66	131									
		axis, 1.2cm wide, with chlorite	78.88	59									
		34-35m - contains 20cm with 10%	78.64	134									
		epidote pervasive and in epidote	80.16	70									
		- quartz veins, lighter grey,	81.23	83									
		not magnetic	82.14	78									
		35-36m - contains 7cm with 5% epidote	82.45	100									

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 5 OF 9

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH					
		pervasive.	m										
		(35.68 - 35.80m) with 20% - 30%	83.21	32									
		epidote pervasive, cuts core at 50°	83.52	45									
		to core axis.	84.28	49									
		36-37m - coarse ash more prominant,	84.43	67									
		5%	84.89	70									
		37-38m - last 5cm has rusty fractures	85.50	43									
			THE	END									
38	70	Ash tuff - minor ~~feldspar~~ crystal tuff											
		- dark grey, pyrite trace											
		- coarse ash 5%, feldspar crystals											
		5% - 10%.											
		moderately magnetic											
		epidote pervasive in coarse ash											
		(10% - 20% of ash)											
		epidote fracture fillings 0.2% - 0.3%											
		39-40m - slightly coarser grained											
		- 3 aphanitic dykes (each 0.3cm)											
		at 45°, 70° and 70° to core											
		axis											
		40-41m - epidote fracture fillings and											
		patches 0.3% - 0.4%											
		- feldspars more evident											
		41-42m - epidote fracture fillings 1%											
		43-44m - slightly coarser grained											

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DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 6 OF 9

FROM	TO	DESCRIPTION
		15 cm with epidote pervasive 5%, also with quartz vein (1mm wide) 50° to core axis
		46-47m - traces hematite on fractures
		47-48m - 1% quartz veins, avg. 1mm, 50° to core axis
		48-49m - epidote 1%, pervasive and fracture fillings
		49-50m - epidote 1%, pervasive and fracture fillings
		(49-61m) - sections of very fine grained ash with no crystals visible
		50-51m - epidote 1%, pervasive and fracture fillings
		52-53m - 5 quartz veinlets, avg. 1 to 1.5mm, 0° to 90° to core axis
		53-54m - epidote - 0.1%
		- slightly rusty on fractures
		54-55m - epidote - traces
		& barren quartz veinlets, avg. 1mm.
		55-58m - epidote - traces
		chlorite fracture fillings hairline, 1/2 % or less
		58-59m - epidote trace to 0.1%
		- at end of interval 4cm with 5% epidote pervasive and in quartz veinlets
		60-61m - epidote 1%, fracture fillings more than pervasive
		61-63m - epidote 2% - 3% fracture fillings and pervasive in envelopes about fractures
		trace pyrite in epidote & (minor quartz) fracture fillings.
		63-65m - epidote 1%, fracture fillings more than pervasive
		(63-70m) - sections of very fine grained ash with no visible feldspar crystals
		65-66m - epidote 1%, fracture fillings more than pervasive, 0.1% pyrite in epidote
		fracture fillings over last 30cm interval.
		67-68m - epidote 1%, fracture fillings more than pervasive.

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DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 7 OF 9

FROM	TO	DESCRIPTION
		68-69m - epidote 2%, pyrite 0.1% and trace chalcopyrite in epidote-quartz veinlets
		69-70m - epidote 3% - 5%, pyrite 0.1% and chalcopyrite in quartz - epidote veinlets, 40° to 90° to core axis
70	81	Crystal-ash tuff
		- dark grey
		- moderately magnetic
		- few rounded coarse ash, to 2mm
		- feldspar crystals up to 3mm
		epidote - 2% - 3%, in veinlets (usually with quartz) and pervasive as envelopes about veinlets
		pyrite - 0.2% in quartz and/or epidote veinlets
		- to 0.1% disseminated
		71-72m - pyrite 0.1%
		72-73m - pyrite - with quartz veinlets 0.4%
		- disseminated 0.1%
		quartz veinlets 1%
		73-74m - trace malachite and chalcopyrite in fracture fillings and quartz veinlets
		- quartz veinlets 1/2%
		74-75m - pyrite - 1% - in fracture fillings and quartz veinlets
		- 1/2% - disseminated
		malachite and chalcopyrite in quartz veinlets
		75-76m - pyrite 2% - disseminated and patches
		76-77m - epidote 1/2% - 3/4%

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 8 OF 9

FROM	TO	DESCRIPTION
		Quartz veinlets 1%, mainly in one large vein
		77-78m - medium-light grey
		-sericite pervasive
		pyrite ½%, fracture fillings more than disseminations
		chalcopyrite fracture fillings
		78-79m - medium - light grey
		pyrite disseminated 0.1%
		chalcopyrite fracture fillings
		-sericite alteration pervasive
		79-80m - medium - light grey
		- fabric obscured by sericite alteration - i.e. no crystals visible
		80-81m - medium-light grey
		sericite pervasive
		pyrite 0.2%
		epidote pervasive about fracture fillings 1%
		chalcopyrite fracture fillings
		-one lapilli visible 1.3cm
81	85.5	Altered crystal - ash tuff
		- medium grey with green tint
		epidote - 2% - fracture fillings & pervasive
		quartz veinlets 1%, random orientations
		pyrite - ½% - fracture fillings greater than disseminations
		81-82m - trace malachite on fractures
		- chalcopyrite in quartz veinlets

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-8

SHEET 9 OF 9

FROM	TO	DESCRIPTION
		83-84m - quartz veinlets 1/2 %
		pyrite 0.1% or less
		84-85m - quartz veinlets 1/2%
		pyrite 0.1% or less
		85-85.5m - medium grey
		pyrite 1/2% to 1%, disseminated
		sericite pervasive
		THE END

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD85-9

SHEET 1 OF 8

PROPERTY: Paydirt

LOCATION: B.C. 104 G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327670 N (UTM)
347079E

CORE STORED AT: On the property

LENGTH: 76.20 m

	BEARING	INCLINATION
COLLAR	360°	-80°
76m		-81°

CORE SIZE: BQ

COMMENCED: SEPTEMBER 16, 1985

COMPLETED: SEPTEMBER 18, 1985

LOGGED BY: M. HOLTBY

SAMPLED BY: J. BAKON

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	3.35	No core - overburden	m		85PD-	m	m	m	oz/ton	%			
			0	To	1472	12	13	1.0	0.005	0.01			
3.35	37.0	Andesitic Crystal - lapilli tuff	3.35	0	1473	16	17	1.0	0.001	0.02			
		lapilli - up to 1.7 cm, up to 20%, epidote	3.96	15	1474	17	18	1.0	0.001	0.04			
		alteration pervasive (20 - 30%)	5.49	58	1475	35	36	1.0	0.001	0.01			
		moderately magnetic	5.94	84	1476	36	37	1.0	0.001	0.01			
		epidote fracture fillings about 0.1%	6.55	64	1477	37	38	1.0	0.001	0.01			
		pyrite - trace disseminated & fracture fillings	7.47	65	1478	38	39	1.0	0.001	0.01			
		mafics - 5%, vague, chloritized	8.08	77	1479	39	40	1.0	0.001	0.02			
		feldspar crystals - up to 2.5 mm, 5% to 25%	8.53	71	1480	40	41	1.0	0.001	0.01			
		altered to 5% epidote.	9.45	62	1481	41	42	1.0	0.001	0.01			
		- after 7 m - fewer lapilli - mainly crystal tuff	9.91	96	1482	42	43	1.0	0.001	0.01			
		12.30 - 12.48 m - epidote 30%, pervasive	10.82	78	1483	43	44	1.0	0.001	0.01			
		14-15 m - 1% epidote	12.19	97	1484	44	45	1.0	0.001	0.01			
		15-16 m - 1/2% ✓	12.65	93	1485	45	46	1.0	0.013	0.01			
		16.53 - 16.95 m. - medium grey	13.87	102	1486	46	47	1.0	0.010	0.01			
		17 - 18 m - medium grey, weakly magnetic	15.09	43	1487	47	48	1.0	0.084	0.01			
		- pyrite - 0.1% - 0.2%, disseminated	15.54	116	1488	48	49	1.0	0.065	0.01			
		& fracture fillings.	16.15	70	1489	49	50	1.0	0.084	0.01			

CONSOLIDATED SILVE NDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD85-9

SHEET 1 OF 8

PROPERTY: Paydirt

LOCATION: B.C. 104 G/4E, 3W

ELEVATION: 916.4 m

COORDINATES: 6327670 N (UTM)
347079E

CORE STORED AT: On the property

LENGTH: 76.20 m

	BEARING	INCLINATION
COLLAR	360°	-80°
76m		-81°

CORE SIZE: BQ

COMMENCED: SEPTEMBER 16, 1985

COMPLETED: SEPTEMBER 18, 1985

LOGGED BY: M. HOLTBY

SAMPLED BY: J. BACON

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
0	3.35	No core - overburden	m		85PD-	m	m	m	oz/ton	%			
			0	TO	1472	12	13	1.0	0.005	0.01			
3.35	37.0	Andesitic Crystal - lapilli tuff	3.35	0	1473	16	17	1.0	0.001	0.02			
		lapilli - up to 1.7 cm, up to 20%, epidote	3.96	15	1474	17	18	1.0	0.001	0.04			
		alteration pervasive (20 - 30%)	5.49	58	1475	35	36	1.0	0.001	0.01			
		moderately magnetic	5.94	84	1476	36	37	1.0	0.001	0.01			
		epidote fracture fillings about 0.1%	6.55	64	1477	37	38	1.0	0.001	0.01			
		pyrite - trace disseminated & fracture fillings	7.47	65	1478	38	39	1.0	0.001	0.01			
		mafics - 5%, vague, chloritized	8.08	77	1479	39	40	1.0	0.001	0.02			
		feldspar crystals - up to 2.5 mm, 5% to 25%	8.53	71	1480	40	41	1.0	0.001	0.01			
		altered to 5% epidote.	9.45	62	1481	41	42	1.0	0.001	0.01			
		- after 7 m - fewer lapilli - mainly crystal tuff	9.91	96	1482	42	43	1.0	0.001	0.01			
		12.30 - 12.48 m - epidote 30%, pervasive	10.82	78	1483	43	44	1.0	0.001	0.01			
		14-15 m - 1% epidote	12.19	97	1484	44	45	1.0	0.001	0.01			
		15-16 m - 1/2% ✓	12.65	93	1485	45	46	1.0	0.013	0.01			
		16.53- 16.95 m. - medium grey	13.87	102	1486	46	47	1.0	0.010	0.01			
		17- 18 m - medium grey, weakly magnetic	15.09	43	1487	47	48	1.0	0.084	0.01			
		- pyrite - 0.1% - 0.2%, disseminated	15.54	116	1488	48	49	1.0	0.065	0.01			
		& fracture fillings.	16.15	70	1489	49	50	1.0	0.084	0.01			

CONSOLIDATED SILV.. STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-9.

SHEET 2 OF 8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		lapilli abundant, crystals obscure	m		85PD-	m	m	m	oz/ton	%			
		21-23 m - trace hematite on fractures	16.53	76	1490	50	51	1.0	0.096	0.01			
		24-25 m - 1 quartz - chlorite vein - barren,	17.98	70	1491	51	52	1.0	0.049	0.01			
		30° to core axis, 0.6 cm wide	18.90	85	1492	52	53	1.0	0.003	0.02			
		- 1½% epidote, veinlets & pervasive	19.96	75	1493	53	54	1.0	0.030	0.01			
		envelopes	21.56	101	1494	54	55	1.0	0.026	0.11			
		27-28 m - mafics 10%	23.01	101	1495	55	56	1.0	0.113	0.24			
		- one aphanitic dyke, gray, 1 cm	23.47	87	1496	56	57	1.0	0.082	0.41			
		wide, 70° to core axis	25.13	87	1497	57	58	1.0	0.117	0.61			
		36-37 m - epidote 1% - fracture fillings &	25.43	153	1498	58	59	1.0	0.049	0.03			
		pervasive in envelopes	26.82	78	1499	59	60	1.0	0.047	0.50			
			28.35	82	1500	60	61	1.0	0.476	1.76			
37	48	Crystal - coarse ash tuff with few lapilli	29.11	83	1501	61	62	1.0	0.080	0.61			
		- medium gray	30.48	96	1502	62	63	1.0	0.169	0.83			
		- mafics 5-8%	30.78	93	1503	63	64	1.0	0.053	0.34			
		epidote - ½% fracture fillings	32.00	70	1504	64	65	1.0	0.158	0.65			
		0.1% pervasive in coarse ash	33.68	88	1505	65	66	1.0	0.060	0.26			
		pyrite - trace disseminated	35.20	92	1506	66	66.52	0.52	0.001	0.04			
		crystals - softened with vague boundaries	36.78	88	1507	66.52	69.26	2.74	0.001	0.01			
		37.9-38 m - epidote quartz cementing breccia	37.80	77	1508	69.26	70	0.74	0.001	0.01			
		38-39 m - trace pyrite in epidote fracture	39.01	92	1509	70	71	1.0	0.001	0.02			
		fillings	40.54	84	1510	71	72	1.0	0.001	0.06			
		39-40 m - mafics 5%	40.84	63	1511	72	73	1.0	0.002	0.04			
		epidote fracture fillings 0.3%	41.91	70	1512	73	74	1.0	0.009	0.05			
		40-41 m - mafics 5%	43.43	91	1513	74	75	1.0	0.004	0.08			

CONSOLIDATED SILVERSTANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-9

SHEET 3. OF 8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au	Cu			
		sericite on fractures	m		85PD-	m	m	m	oz/ton	%			
		pyrite 0.1%	45.03	98	1514	75	76.20	1.20	0.001	0.04			
		spotty Weakly to moderately magnetic	46.63	88									
		(in darker areas)	48.16	76									
		41-43 m - mafics 5%, Sericite on fractures,	49.68	95									
		pyrite 0.1%, 1-2% disseminated magnetite	51.21	87									
		43-45 m - mafics 5%, sericite on fractures,	52.73	88									
		pyrite 0.1%, spotty Weakly to moderately	53.95	73									
		magnetic	55.63	91									
		(44.2 - 44.37 m) - 1% pyrite fracture fillings	57.15	101									
		45-46 m - mafics 5%	58.75	91									
		- pyrite 0.3% - 0.4% - disseminated	60.20	101									
		and along foliation	61.11	90									
		- foliation 70° to core axis (in one	61.87	117									
		5 cm section)	63.40	101									
		- sericite pervasive 2-3% - spotty in	64.92	90									
		lighter grey areas.	65.99	68									
		46-47 m - epidote 0.2%	66.29	30									
		pyrite 0.1% disseminations more	67.97	88									
		than fracture fillings.	69.34	69									
		mafics 5%, spotty Weakly to	70.56	92									
		moderately magnetic	71.02	70									
		47-48 m - epidote - trace	72.54	93									
		pyrite - 0.2% - 0.3%, spotty	73.46	99									
		1/2%, fracture fillings more than	74.07	77									
		disseminations.											

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DRILL HOLE LOG

HOLE NO. PD-85-9

SHEET 4 OF 8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH					
48	61	Crystal - ash tuff - altered	75.99	99									
		- medium grey, finer grained,	76.20	115									
		- sericite pervasive 3-4% - alteration of	THE	END									
		mafics & feldspars											
		48-49 m - pyrite 1/2-1% (1% spotty)											
		quartz veins, 30° to core axis, rather											
		more pervasive alteration rather than											
		sharp bounded quartz veins.											
		49-50 m - pyrite 1-2% (2% spotty)											
		disseminated grains than fracture fillings											
		50-51 m - pyrite 1%											
		short sections of unaltered tuff											
		51-52 m - sericite 3-4%											
		pyrite 1/2-1%											
		epidote pervasive in a few ash											
		and in fractures with quartz - 0.1%											
		52-53 m - sericite 2-3%											
		pyrite 0.3%											
		quartz veins with minor calcite &											
		trace pyrite 0.7%											
		weakly magnetic											
		53-54 m - discontinuous quartz veinlets 1%											
		trace chalcopyrite in quartz veins											
		pyrite 0.2% - 0.3%											
		3/4 of interval lighter grey with											

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DRILL HOLE LOG

HOLE NO. PD-85-9

SHEET 5 OF 8

FROM	TO	DESCRIPTION
		- lapilli, epidote - quartz veinlets 0.1% to 0.2%
		54-55 m - feldspar crystals 30%
		lapilli 20+% with 10% - 20% pervasive epidote
		Weakly magnetic
		quartz veinlets 1½% with pyrite, chalcopyrite, epidote
		pyrite ½%
		- few lapilli towards end of interval
		55-56 m - quartz veinlets & pervasive silica 2+% with trace chalcopyrite, pyrite & epidote
		- epidote 0.2% - 0.3%
		- pyrite ½% - 1%
		- hematite on fractures
		56-57 m - epidote fracture fillings 0.1%
		quartz veinlets - 50° - 60° to core axis - pyrite extensive in quartz veinlets
		pyrite disseminated ½%
		- in quartz veins & magnetite veins 3%
		magnetite veins - 1 large one 20% to core axis, 1 cm wide, total magnetite 2%
		57-58 m - medium grey with greenish tint
		epidote fracture fillings & patches 1 - 1½%
		quartz veins & pervasive silica near veins 2% +
		pyrite 2% disseminated greater than in quartz veins & fracture fillings
		58-59 m - quite fine grained
		quartz veinlets 1% with trace pyrite
		Moderately magnetic
		pyrite 1% - mainly disseminated

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DRILL HOLE LOG

HOLE NO. KD-85-9

SHEET 6 OF 8

FROM	TO	DESCRIPTION
		59-60 m - quite fine grained
		quartz veinlets 1% with trace pyrite
		Moderately magnetic
		pyrite 1/2%
		Chalcopyrite - fracture fillings 0.1%
		60-61 m - quite fine grained
		quartz - epidote veinlets 12% (little epidote)
		(one large quartz vein 10 cm wide, with 30% pyrite & minor chalcopyrite)
		pyrite - total 4%
61	66.52	Altered crystal(?) - ash tuff
		Sericite pervasive, altered mafics & fracture fillings, 5%
		Silicification pervasive - Very siliceous looking
		Coarse ash still visible
		epidote trace to 0.1% veinlets
		pyrite 2-3% fracture fillings more than disseminations
		Chalcopyrite in quartz veinlets & in fracture fillings
		quartz veinlets 1 1/2 %
		62-63 m - quartz veinlets 1%, most 30-40° to core axis
		63-64 m - " " 1 1/2%, - Vague boundaries
		- pervasive silica near veins, pyrite also stronger near veins
		- pyrite 1 1/2 - 2%.
		64-65 m - quartz veining 1%
		- last 25 cm of interval 5% pervasive epidote

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DRILL HOLE LOG

HOLE NO. YD-85-9

SHEET 7 OF 8

FROM	TO	DESCRIPTION
		65-66 m - quartz veinlets 1%
		- pyrite 1%
		- epidote 0.2%, mainly at start of interval
		- last ½ of interval - lapilli up to 8 mm obvious.
		66-66.52 m - lapilli obvious, pyrite 1%
		(66.29 - 66.52 m) - possible fault - core broken up & Sandy.
66.52	69.26	Andesite Dyke - The footwall dyke.
		- Same description as previous holes.
		- contacts not preserved
69.26	71	Andesite tuff: altered
		- dark greenish grey
		- fine grained, ~~slt~~ silicified
		- sericite pervasive 2-3%
		pyrite trace disseminated
		quartz veins 1% - barren
		- towards end of section more mafics visible & very granular looking
71	76.20	Andesite tuff
		very fine grained mafics - chloritized
		epidote - pervasive in occasional fragments 0.1-0.2%
		pyrite trace disseminated
		quartz veinlets ½% - barren

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DRILL HOLE LOG

HOLE NO. TD-85-9

SHEET 8 OF 8

FROM	TO	DESCRIPTION
		72.73 m – epidote 0.4%
		mafics 5-8%
		72-76.20 mafics 5-8%
		pyrite trace to 0.05%

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DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 1 OF 8

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 890.5m

COORDINATES: 6327630N (UTM)
347083E

CORE STORED AT: On the property

LENGTH: 68.88m

	BEARING	INCLINATION
COLLAR	150°	-52°
64m		-50°

CORE SIZE: BQ

COMMENCED: OCTOBER 1, 1985

COMPLETED: OCTOBER 3, 1985

LOGGED BY: M. HOLTBY

SAMPLED BY: J. BACON

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au				
0	3.96	No core - overburden	m		85PD-	m	m	m	oz/ton				
			0	TO	1515	12	13	1.0	0.001				
3.96	29.26	Andesitic coarse ash tuff - minor lapilli and	3.96	0	1516	13	13.70	0.70	0.001				
		crystal tuff.	4.42	28	1517	13.70	15.50	1.80	0.001				
		- Medium gray to dark grey	5.33	69	1518	15.50	17	1.50	0.002				
		- Lapilli - 5%, up to 1.8 cm, 75% altered to 10%	6.10	32	1519	17	18	1.0	0.002				
		pervasive epidote	7.47	16	1520	18	19	1.0	0.001				
		- Coarse ash - avg 2-3 mm, about 5% altered to	8.53	55	1521	19	20	1.0	0.033				
		80% pervasive epidote & 20% altered to 10%	8.99	54	1522	20	21	1.0	0.003				
		pervasive epidote	10.97	8	1523	21	22	1.0	0.086				
		- feldspar crystals - spotty 5%	11.43	28	1524	22	23	1.0	0.001				
		- up to 1.5 mm	12.50	39	1525	23	24	1.0	0.025				
		- occasionally - somewhat parallel,	13.11	87	1526	24	25	1.0	0.002				
		perpendicular to core axis	13.87	25	1527	25	26	1.0	0.001				
		- epidote totae about 2%	14.63	47	1528	26	27	1.0	0.004				
		- pervasive in ash & in fracture fillings,	15.85	84	1529	27	28	1.0	0.001				
		20° - 45° to core axis	17.53	86	1530	28	29.26	1.26	0.002				
		- mafics (biotite) 5%	18.90	84	1531	29.26	30	0.74	0.002				
		- pyrite trace to 0.1% disseminated	20.12	118	1532	30	31	1.0	0.001				

CONSOLIDATED SILVE ANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 2 OF 8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au				
		12.7-13 m - mafics about 20%, Weakly	m		85PD-	m	m	m	oz/ton				
		Chloritized	20.73	43	1533	31	32	1.0	0.001				
		- pervasive epidote in coarse ash 3%	22.25	100	1534	32	33	1.0	0.001				
		- crystals more visible	23.22	119	1535	33	34	1.0	0.002				
		13.-13.7 m - mafics about 20%, Weakly	24.69	105	1536	34	35	1.0	0.056				
		Chloritized	26.06	67	1537	35	36	1.0	0.058				
		- pyrite 1/4% disseminated	27.43	109	1538	36	37	1.0	0.036				
		- dark grey to light black	28.35	104	1539	37	37.49	0.49	0.191				
		13.7-15.5 m - few lapilli	29.26	75	1540	37.49	38	0.51	0.013				
		- pyrite 1/2%	29.87	69	1541	38	39	1.0	0.004				
		- 10-20% of coarse ash have 5-10%	30.63	71	1542	39	40	1.0	0.001				
		pervasive epidote alteration	31.24	80	1543	40	41	1.0	0.021				
		- epidote fracture fillings - 0.1%,	32.16	70	1544	41	42	1.0	0.002				
		hairline to 0.2 mm	32.61	62	1545	42	43	1.0	0.003				
		15.5-17 m - pyrite 1/4-1/2%	33.68	67	1546	43	44	1.0	0.005				
		17-18 m - trace hematite in quartz veinlets	34.44	72	1547	44	45	1.0	0.001				
		pyrite 1/2%	35.97	71	1548	45	46	1.0	0.009				
		(17.2-17.35 m) - epidote pervasive 20%	37.49	95	1549	46	47	1.0	0.012				
		18-19 m - pyrite 1/2%	38.40	64	1550	47	48	1.0	0.005				
		- epidote-quartz, hairline fracture	39.01	44	1551	48	49	1.0	0.001				
		fillings - 0.8%	39.62	46	1552	49	50	1.0	0.001				
		- Moderately magnetic near end of section	40.54	41	1553	50	51	1.0	0.001				
		19-20 m - 10% pervasive epidote in 30% of	41.15	57	1554	51	52	1.0	0.001				
		coarse ash - 1 1/2% epidote in	42.67	95	1555	52	53	1.0	0.016				
		quartz veinlets	44.35	88	1556	53	54	1.0	0.011				

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DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 3 OF 8

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au				
		- 2½% quartz veinlets with epidote & minor	m		85 PD	m	m	m	oz/ton				
		pyrite & trace chalcopyrite	45.87	102	1557	54	55	1.0	0.002				
		pyrite - disseminated ½%	47.40	102	1558	55	56	1.0	0.003				
		- 0.3% to 0.4% fracture fillings	49.07	88	1559	56	57	1.0	0.001				
		moderately magnetic	50.44	102	1560	57	57.60	0.60	0.162				
		20-21 m - moderately magnetic	51.97	90	1561	57.60	59.25	1.65	0.001				
		pyrite - ½% disseminated	53.64	92	1562	59.25	60	0.75	0.039				
		- 0.1% fracture fillings	55.17	97	1563	60	61	1.0	0.022				
		epidote with a little quartz - fracture	56.84	94	1564	61	62	1.0	0.035				
		filling 0.8%	58.06	110	1565	62	63	1.0	0.033				
		21-22 m - hematite on fractures	59.13	75	1566	63	64	1.0	0.001				
		- quartz veinlets 1½% with trace pyrite	60.35	102	1567	64	65	1.0	0.003				
		& chlorite, 30° to core axis	61.87	86	1568	65	66	1.0	0.011				
		- moderately magnetic	63.40	82	1569	66	67	1.0	0.003				
		- pyrite ½%	6370	93	1570	67	68	1.0	0.001				
		22-23 m - 2% lapilli	65.23	74	1571	68	68.88	0.88	0.001				
		pyrite - disseminated 0.1 - 0.2%	66.45	111									
		fracture filling 0.1% or less	66.75	97									
		- moderately magnetic	67.97	88									
		23-24 m - 1% quartz veinlets with magnetite	68.88	109									
		& chalcopyrite	THE	END									
		- 2% lapilli											
		- pyrite - disseminated 0.1 - 0.2%											
		fracture fillings 0.1% or less											

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DRILL HOLE LOG

HOLE NO. YD-85-10

SHEET 4 OF 8

FROM	TO	DESCRIPTION
		24-25 m - Moderately magnetic
		1½% quartz veinlets with chlorite, chalcopyrite & occasional epidote selvages
		- epidote veinlets 0.3% to 0.4%
		- pyrite disseminated 0.2%
		25-26 m - Moderately to strongly magnetic
		- magnetite fracture fillings
		- 1% quartz veins with epidote
		- epidote 0.2 - 0.3%
		- pyrite 0.2%
		26-27 m - Moderately magnetic
		- Quartz Veins 15% - due mainly to 1 Vein Running along core axis - With traces of epidote
		- 5% of ash have 25% pervasive epidote alteration
		- Overall epidote 0.3 - 0.4%
		- pyrite 0.1% to 0.2%
		27-28 m - quartz veinlets 1% With 0.4% chalcopyrite, 30° to core axis
		- moderately magnetic
		- pyrite 0.1% - 0.2%
		28 - 29.26 m - quartz Veinlets 0.8% With epidote
		- Moderately magnetic
		- pyrite 0.1% to 0.2%
29.26	37.49	Altered coarse tuff - (the gold-bearing zone?)
		- Lapilli 5%
		- Coarse ash about 25%
		- 75% of ash have 20% pervasive epidote

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DRILL HOLE LOG

HOLE NO. AD-85-10

SHEET 5 OF 8

FROM	TO	DESCRIPTION
		- epidote fracture fillings 0.1 %
		- pyrite 1% disseminated
		0.2% fracture fillings
		- sericite 2+% - pervasive alteration of mafics
		- silicified - quite siliceous looking
		30-31 m - pyrite disseminated ½ - 1%
		fracture fillings 0.3%
		few lapilli visible
		31- 34 m - pyrite - disseminated ½ + %
		fracture filling - traces
		- no lapilli visible
		34- 35 m - One quartz vein with magnetite, trace pyrite & trace chlorite, 10% to core axis
		- total quartz veinlets 1%
		36 - 37.49 m - pyrite - 1% disseminated
		- 0.7% - 0.8% fracture fillings (associated with pervasive silicification)
		- chlorite clots in pervasive silica
37.49	43	Altered ash tuff (the gold-bearing zone?)
		medium grey
		- not as siliceous as previous section
		- Weak foliation at start of interval, 70° to core axis
		- biotites altered to 80% sericite
		- 1% sericite fracture fillings
		total sericite 2- 3%
		pyrite - 1% disseminated greater than fracture fillings

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DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 6 OF 8

FROM	TO	DESCRIPTION
		39-40 m – decrease in pyrite towards end of interval (1/2%)
		40-41 m – pyrite 1/2%
		– becoming slightly finer grained
		41-42 m – pyrite 1% fracture fillings
		1/2% disseminated
		(41.6-41.7 m) – 5% pervasive epidote
		42-43 m – 0.7% barren quartz veins
		mafics up to 20%
43	57.60	Andesite ash tuff – medium gray
		2-5% feldspar crystals
		grain size about 1 mm
		mafics 20%
		strongly to moderately magnetic
		1% quartz veinlets – with traces of calcite
		pyrite 1/2% disseminations much more than fracture fillings
		44-45 m – pyrite 0.1% - 0.2%
		45-46 m – pyrite – 1% fracture fillings
		– 1/2% disseminated
		46-47 m – pyrite 1/4% – spotty
		48-50 m – pyrite 0.1% or less
		50-51 m – pyrite 0.1% or less
		– trace chalcopyrite in quartz gash filling, with minor calcite
		51-52 m – pyrite 0.1% or less

CONSOLIDATED S. _R STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 7 OF 8

FROM	TO	DESCRIPTION
		52-53 m - quartz veins 2% with minor calcite pyrite 0.1% or less
		53-54 m - ✓ 0.1% ✓ ✓
		54-55 m - ✓ 0.3% - 0.4%
		55-57 m - ✓ 0.1% or less
		57-57.6 m - pyrite 0.3%
57.60	59.25	Andesite Dyke - The footwall dyke: - Same description as previous dykes - upper contact not preserved - lower ✓ 70° to core axis, sharp, somewhat irregular
59.25		Andesite Ash Tuff - dark grey - Weak sericite alteration, interstial (1%) - Moderately magnetic - pyrite - 0.1% fracture fillings 0.1% - 0.2% disseminations 20% mafics quartz veins 1% 10% - 20% medium ash 59.75 m - 2 cm sheared, 40° to core axis 60.15 m - 1 cm gouge, 65° to core axis 60-61 m - pyrite fracture fillings 0.2% - 0.3% 61-62 m - pyrite ✓ ✓ 0.2% - 0.3%

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DRILL HOLE LOG

HOLE NO. PD-85-10

SHEET 8 OF 8

FROM	TO	DESCRIPTION
		63-64 m - occasional trace lapilli up to 1.5 cm
		pyrite - less than 0.1% fracture fillings & disseminations
		64-65 m - trace chalcopyrite fracture fillings
		pyrite - less than 0.1% disseminated
		- trace fracture fillings
		65-66 m - grain size 0.2 - 0.3 mm
		66-68 m - pyrite - fracture fillings trace
		- disseminations 0.1% or less
		2 quartz veins - barren, 1 cm, 25° to core axis
		68-68.88 m - quartz veinlets 0.2% barren
		pyrite - trace disseminated.
		less than 0.1% fracture fillings
		Weak to moderately magnetic

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 1 OF 7

PROPERTY: Paydirt

LOCATION: B.C. 104G/4E, 3W

ELEVATION: 890.5 m

COORDINATES: 6327631 N
(UTM) 347081 E

CORE STORED AT: On the property

LENGTH: 66.14 m

	BEARING	INCLINATION
COLLAR	295°	-75°
63 m		-75°

CORE SIZE: BQ

COMMENCED: OCTOBER 3, 1985

COMPLETED: OCTOBER 5, 1985

LOGGED BY: M. HOLTBY

SAMPLED BY: J. BACON

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au				
0	2.13	No core - overburden	m		85PD-	m	m	m	oz/ton				
2.13	12.19	Coarse ash & lapilli tuff	0	To	1572	32	33	1.0	0.001				
		medium grey to dark grey	2.13	0	1573	33	34	1.0	0.007				
		lapilli about 5%, up to 8 mm	2.44	45	1574	34	35	1.0	0.001				
		- epidote alteration - 90% of lapilli altered	3.20	28	1575	35	36	1.0	0.001				
		to 75% epidote.	3.51	116	1576	36	37	1.0	0.007				
		coarse ash - 50% to 75% of ash pervasively	3.66	113	1577	37	38	1.0	0.008				
		altered to 50% to 75% epidote.	4.88	19	1578	38	39	1.0	0.001				
		biotite - 5%, pervasive chlorite alteration	5.64	25	1579	39	40	1.0	0.001				
		about 10%	6.40	47	1580	40	41	1.0	0.027				
		pyrite disseminated, trace to 0.1%	7.10	16	1581	41	42	1.0	0.003				
		magnetite - disseminated - weak to moderately	7.32	29	1582	42	43	1.0	0.030				
		magnetic	7.62	30	1583	43	44	1.0	0.007				
		at 4 cm - one lapilli of bleached crystal tuff	8.38	25	1584	44	45	1.0	0.001				
		epidote fracture filling - hairline to 1 mm	9.30	41	1585	45	46	1.0	0.001				
		0.2% - 0.3% per metre	9.45	173	1586	46	47	1.0	0.001				
		occasionally, such as at 9 - 9.3 m	10.36	26	1587	47	48	1.0	0.033				
		- crystal tuff, feldspar 40%, 20%	10.67	71	1588	48	48.80	0.80	0.013				
		chlorite altered mafics,	10.82	40	1589	48.80	50.26	1.46	0.012				

CONSOLIDATED SIL STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 2 OF 7

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH	Au				
		moderately magnetic, disseminated	m		85 PD-	m	m	m	g/ton				
		magnetite, traces disseminated pyrite	11.43	21	1590	50.26	51	0.74	0.009				
			12.19	34	1591	51	52	1.0	0.031				
12.19	12.95	Lamprophyre Dyke	13.11	79	1592	52	53	1.0	0.026				
		- Very dark green	13.56	22	1593	53	54	1.0	0.068				
		- Weakly magnetic	14.17	66	1594	54	55	1.0	0.138				
		- glomoporphyritic texture	14.63	78	1595	55	56	1.0	0.072				
		- calcite - angular grains, 20%, avg 0.5 -	16.00	80	1596	56	57	1.0	0.226				
		0.8 mm	17.53	88	1597	57	58	1.0	0.290				
		- rimmed with hematite	18.14	33	1598	58	59	1.0	0.215				
		- biotite - fine grained, 40%	18.90	32	1599	59	59.40	0.40	0.125				
		- contacts not preserved	19.66	63	1600	59.40	60.70	1.30	0.015				
			20.57	13	1601	60.70	62.33	1.63	0.002				
12.95	48.80	Ash tuff with minor lapilli tuff	21.34	30	1602	62.33	63	0.67	0.019				
		- medium grey	22.10	20	1603	63	64	1.0	0.005				
		- lapilli - up to 8 mm	23.62	41	1604	64	65	1.0	0.002				
		- epidote alteration, 75% of lapilli	24.69	80	1605	65	66.14	1.14	0.001				
		Completely altered	25.30	72									
		- total of 1% lapilli	26.82	84									
		Coarse ash - 10-20% of ash have 10%	27.58	46									
		pervasive epidote alteration	27.89	52									
		total epidote about 2%	28.50	70									
		feldspar crystals - 5%	29.41	77									
		mafics - 5+%, clonte altered	29.72	61									
		disseminated magnetite - weak to moderately	30.18	76									

CONSOLIDATED SIL STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 3 OF 7

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH					
		magnetic, about 1/2%	30.78	47									
		calcite fracture fillings - 0.1% - 0.2%	31.24	70									
		per metre	31.85	69									
		pyrite - 0.1% - 0.2% disseminated,	32.31	72									
		occasionally 1/2% for a few cm	33.53	70									
		- trace fracture fillings or with	34.14	84									
		quartz and epidote	35.05	78									
		occasional bands 10 cm - 15 cm wide of	36.27	89									
		20-30% feldspar crystals	36.88	62									
		32-33 m - pyrite 1/4% to 1/2% disseminated	38.10	84									
		33-37 m - 5% lapilli	38.56	83									
		37-38 m - " "	39.17	67									
		- pyrite - 1/2% disseminated, 0.1%	40.08	74									
		fracture fillings	40.69	85									
		38-39 m - biotite altered to 90% sericite +	41.61	77									
		10% chlorite	42.06	73									
		- total sericite about 2%	42.67	75									
		- pyrite less than 1/2%,	44.35	79									
		disseminated, 0.1% fracture filling	45.26	74									
		39-42 m - biotite altered to 10% chlorite	46.63	45									
		+ 20% sericite	48.16	88									
		- pyrite 1/2% disseminated, trace	49.53	78									
		fracture filling	51.05	99									
		42-43 m - 2 quartz veins, 30° to core axis,	52.58	101									
		with chalcopyrite + pyrite, 1 cm +	54.25	96									
		2 cm. wide											

CONSOLIDATED SILVER STANDARD MINES LTD.

DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 4 OF 7

FROM	TO	DESCRIPTION	RECOVERY		SAMPLES				ASSAYS				
			RUN	%	NO.	FROM	TO	LENGTH					
		1/2 % pyrite disseminated, trace fracture	55.78	93									
		fillings	57.15	113									
		43-44 m - pyrite 1/2% disseminated, trace	58.83	88									
		fracture filling	60.35	91									
		- 1 quartz vein - 2 cm wide, 20° to	60.66	13									
		core axis with chalcopyrite ≠	61.87	112									
		pyrite.	62.33	143									
		44-46 m - pyrite 1/2 disseminated, trace	64.01	64									
		fracture fillings	64.92	103									
		- biotite altered to 30% - 50% sericite	66.14	88									
		46-47 m - 1 quartz vein 35° to core axis,	THE	END									
		2 cm wide, with trace pyrite											
		47-48.8 m - sericite & chlorite alteration											
		of biotite decreasing to 5%											
		- pyrite 1/2% disseminated, trace											
		fracture filling											
48.8	50.26	Coarse ash & crystal tuff											
		- light grey to medium grey											
		- quite fresh looking											
		coarse ash - avg 2 mm, 30+%											
		crystals - subhedral, feldspars, up											
		to 20%											
		biotite - 5%, fresh											
		pyrite - disseminated, trace											

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DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 5 OF 7

FROM	TO	DESCRIPTION
		magnetite - 1/4%, disseminated, moderately magnetic
		barren quartz veinlets 1%
50.26	51	similar rock type as in section 48.8 – 50.26 but not as fresh looking
		- more of an ash tuff with less than 1% lapilli (up to 7 mm)
		pyrite 1/4%, disseminated
		Weak to moderately magnetic
51	52	similar to 48.8 - 50.26 m but increasingly siliceous, pervasive silicification
		- a few lapilli
		- pyrite 1/2%, disseminated & fracture fillings
		rusty on fractures
		- by end of section biotite altered to sericite
		- this section & previous (ie. from 50.26 m) section are the gradual beginning of the silicification
		& sericitization alteration of the gold-bearing zone
52	59.4	Medium ash tuff
		- medium to light grey
		- quite siliceous - pervasive silicification
		3% quartz veins - generally barren but also with trace chlorite, trace calcite, trace
		pyrite & 0.1% chalcopyrite
		Chlorite - 1%, along foliation, 40° to core axis
		- pyrite - 2%, disseminated, greater than or equal to fracture fillings
		sericite - pervasive 2-4%
		53-54 m - less chlorite

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DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 6 OF 7

FROM	TO	DESCRIPTION
		Quartz veinlets - 1½%
		54-55 m - chlorite 0.1-0.2%
		sericite 5%
		quartz veinlets 3%
		55-56 m - chlorite 0.1% to 0.2%
		sericite 5%, pyrite 1% disseminations more than fracture fillings
		quartz veins 12% (1 large one of 10 cm)
		56-57 m - chlorite 0.1% - 0.2%, sericite 5%
		quartz veinlets 3%
		57-58 m - chlorite 0.1% - 0.2%, sericite 5%
		quartz veinlets 3%
		grain size about 1 mm
		58-59 m - 1½% barren quartz veinlets
		pyrite 1%, spotty
		59-59.4 m - chalcopyrite, spotty
		- pyrite - less than ½%, disseminations more than fracture fillings
		- sericite 1-2%
59.4	60.70	Ash tuff - dark grey, fine grained
		foliation - 60° - 65° to core axis
		pyrite - trace, disseminated
		weakly magnetic
		chalcopyrite traces in quartz vein
		1% quartz veins - 60° to core axis

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DRILL HOLE LOG

HOLE NO. PD-85-11

SHEET 7 OF 7

FROM	TO	DESCRIPTION
60.70	62.33	Andesite Dyke - the footwall dyke. - same description as previous holes 4 cm gouge at 61.90 m.
62.33	64	Fine grained tuff Medium gray to brownish gray Pyrite - trace, disseminated sericite - 1 - 2% pervasive. trace malachite on rusty fractures weakly magnetic - disseminated magnetite 1/4%
64	65	Fine grained tuff Medium grey with greenish tint 11% quartz veins - 1 - 3 cm wide with chlorite 1 - 8 cm ✓ ✓ ✓ ± hematite Weak to moderately magnetic - disseminated magnetite - 1/4 - 1/2% chlorite fracture fillings 0.2% - 0.3% Pyrite about 1/2%
65	66.14	similar to 64-65 m but pyrite - trace to 0.1% magnetite 1/2% - moderately magnetic.

DISCOVERY CREEK

1100 1050 1000 950 900 850 800 750

L 10+35 N L 10+15 N L 10+10 N L 10+00 N L 9+90 N L 9+70 N L 9+60 N L 9+45 N L 9+30 N L 9+15 N L 9+05 N L 8+90 N L 8+80 N

Tr-1 Tr-2 Tr-3 Tr-4 Tr-5 Tr-6 Tr-7 TR-8 TR-9

CAMP

LEGEND

SOIL SAMPLE NUMBERS (all numbers begin "85PD___")

TRENCH

TRAIL

CONTOUR INTERVAL : 10 METRES

CONSOLIDATED SILVER STANDARD MINES LIMITED

PAYDIRT OPTION

STIKINE REGION BRITISH COLUMBIA

TRENCHES AND SOIL SAMPLING

0 50 METRES 100 150

0 100 200 FEET 300 400 500

COMPILED BY: M.H.	DRAWN: MP	DATE: SEPT. 1985	SCALE: 1:1000	NTS: 104 G/3,4	FIG. 384

DISCOVERY CREEK

1100
1050
1000
950
900
850
800
750

L 10+35 N
L 10+15 N
L 10+10 N
L 10+20 N
L 10+00 N
L 9+90 N
L 9+70 N
L 9+60 N
L 9+45 N
L 9+30 N
L 9+15 N
L 9+05 N
L 8+90 N
L 8+80 N

Tr-1
Tr-2
Tr-3
Tr-4
Tr-5
Tr-6
TR-7
TR-8
TR-9

A
B
C
D
E
F
G
H

CAMP

N

LEGEND

33 / 145 ..... Au VALUES (ppb)

TR-4 ..... TRENCH

..... TRAIL

..... 250 ppb CONTOUR

A ..... GOLD ANOMALY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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CONTOUR INTERVAL : 10 METRES

CONSOLIDATED SILVER STANDARD MINES LIMITED

PAYDIRT OPTION

STIKINE REGION BRITISH COLUMBIA

Au (ppb)

0 50 METRES 100 150
0 100 200 FEET 300 400 500

COMPILED BY: M.H.	DRAWN: MP	DATE: SEPT. 1985	SCALE: 1:1000	NTS: 104 G/3,4	FIG. 5

LEGEND

- 1 LAMPROPHYRE DYKES
- 2 DIORITE DYKES
- 3 ANDESITE DYKES
  - 3a ..... BASALT DYKES
  - 3b ..... DIABASE DYKES
- 4 ALTERATION ZONES ASSOCIATED WITH SHEARING – SILICIFIED, PYRITIZIED, SERICITIZED, FOLIATED, OCCASIONALLY CHLORITIZED
  - 4a ..... ALTERATION ZONES ASSOCIATED WITH SHEARING AND HOSTING LARGE QUARTZ VEINS
  - 4b ..... ALTERATION ZONES NOT ASSOCIATED WITH SHEARING – 5-15% PYRITE SERICITIZED, SILICIFIED, BLEACHED

JURASSIC & CRETACEOUS (Probably)

- 5 GRANODIORITE

TRIASSIC & JURASSIC (?POST UPPER JURASSIC, PRE-LOWER JURASSIC)

- 6 SYENITE TO MONZONITE, OCCASIONAL DIORITE XENOLITHS
  - 6b ..... GRANODIORITE TO MONZONITE
- 7 AMPHIBOLITE (Age Imprecise)
- 8 HORNBLENDE DIORITE

UPPER TRIASSIC

- 9 VOLCANIC ROCKS
  - 9a ..... UNDIVIDED ANDESITE TUFFS (MAINLY COARSE ASH TUFF)
  - 9b ..... ANDESITE AGGLOMERATE
  - 9c ..... ANDESITE LAPILLI TUFF
  - 9d ..... ANDESITE CRYSTAL TUFF & CRYSTAL-LAPILLI TUFF
  - 9e ..... ANDESITE FINE ASH TUFF
  - 9f ..... ANDESITE FLOWS
  - 9g ..... THIN-BEDDED SILICEOUS TUFFACEOUS SILTSTONE

- DIAMOND DRILL HOLE
- CONTACT, OBSERVED, INFERRED
- BEDDING
- FOLIATION
- FAULT, WITH DIP
- SAMPLE LOCATION

- py ..... PYRITE
- cp ..... CHALCOPYRITE
- tr ..... TRACE
- qtz ..... QUARTZ
- mod. ..... MODERATE
- epdt. ..... EPIDOTE
- clrt. ..... CHLORITE
- srct. ..... SERICITE
- limnt. ..... LIMONITE
- malct. ..... MALACHITE
- magnt. ..... MAGNETITE

- A – B, C – D ..... CROSS SECTIONS
- PAYDIRT ..... CLAIMS

GEOLOGICAL BRANCH
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PAYDIRT OPTION
STIKINE REGION BRITISH COLUMBIA

GEOLOGY

METRES 0 50 100 METRES
FEET 0 100 200 300 FEET

COMPILED BY: M.H.	DRAWN BY: IPE / E.A.	DATE: NOV. 1985	NTS: 104 G/3,4
SCALE: 1:5000			FIGURE 6

LEGEND

- 1 LAMPROPHYRE DYKES
- 2 DIORITE DYKES
- 3 ANDESITE DYKES
  - 3a ..... BASALT DYKES
  - 3b ..... DIABASE DYKES
- 4 ALTERATION ZONES ASSOCIATED WITH SHEARING – SILICIFIED, PYRITIZIED, SERICITIZED, FOLIATED, OCCASIONALLY CHLORITIZED
  - 4a ..... ALTERATION ZONES ASSOCIATED WITH SHEARING AND HOSTING LARGE QUARTZ VEINS
  - 4b ..... ALTERATION ZONES NOT ASSOCIATED WITH SHEARING – 5-7% PYRITE SERICITIZED, SILICIFIED, BLEACHED

JURASSIC ? CRETACEOUS (Probably)

- 5 GRANODIORITE

TRIASSIC & JURASSIC
(POST-UPPER JURASSIC, PRE-LOWER JURASSIC)

- 6 SYENITE TO MONZONITE, OCCASIONAL DIORITE XENOLITHS
  - 6b ..... GRANODIORITE TO MONZONITE
- 7 AMPHIBOLITE (Age Imprecise)
- 8 HORNBLENDE DIORITE

UPPER TRIASSIC

- 9 VOLCANIC ROCKS
  - 9a ..... UNDIVIDED ANDESITE TUFFS (MAINLY COARSE ASH TUFF)
  - 9b ..... ANDESITE AGGLOMERATE
  - 9c ..... ANDESITE LAPILLI TUFF
  - 9d ..... ANDESITE CRYSTAL TUFF & CRYSTAL-LAPILLI TUFF
  - 9e ..... ANDESITE FINE ASH TUFF
  - 9f ..... ANDESITE FLOWS
  - 9g ..... THIN-BEDDED SILICEOUS TUFFACEOUS SILTSTONE

- DIAMOND DRILL HOLE
- CONTACT, OBSERVED, INFERRED
- BEDDING
- FOLIATION
- FAULT, WITH DIP
- SAMPLE LOCATION

py	PYRITE
cp	CHALCOPYRITE
tr	TRACE
qtz	QUARTZ
mod.	MODERATE
epdt	EPIDOTE
clrt	CHLORITE
srct	SERICITE
limt	LIMONITE
malct	MALACHITE
magnt	MAGNETITE

A – B, C – D ..... CROSS SECTIONS

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PAYDIRT OPTION
STIKINE REGION BRITISH COLUMBIA

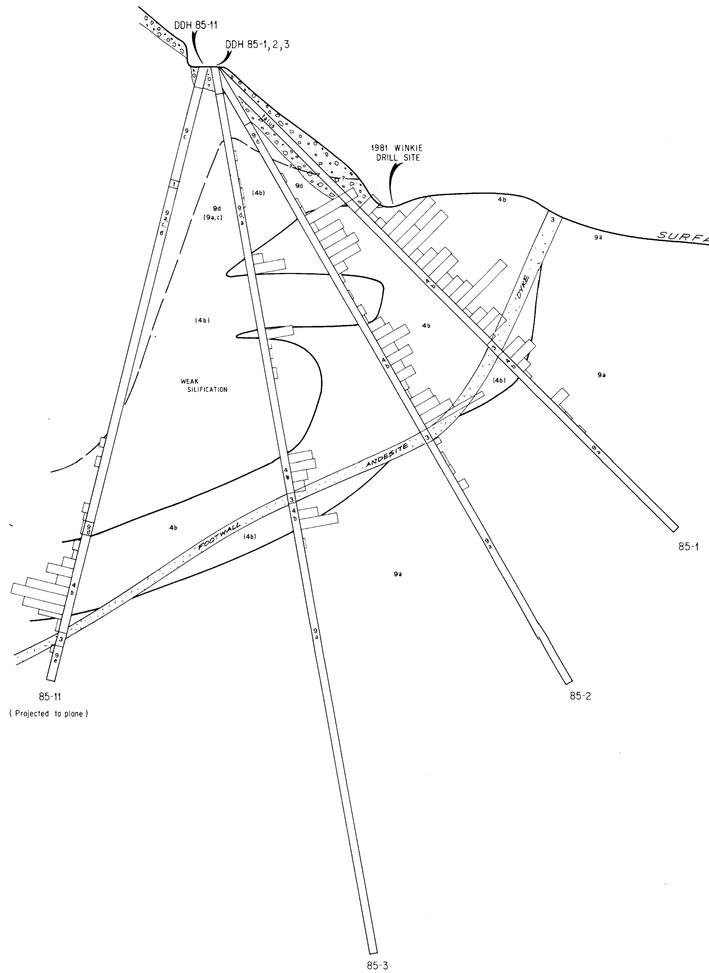
GEOLOGY
MAIN GOLD-BEARING ZONE REGION

METRES 0 50 100 METRES
FEET 0 100 200 300 FEET

COMPILED BY: M.H.	DRAWN BY: HY. / s.s.	DATE: NOV. 1985	NTS: 104 G/3,4
SCALE: 1:1000			FIGURE 7

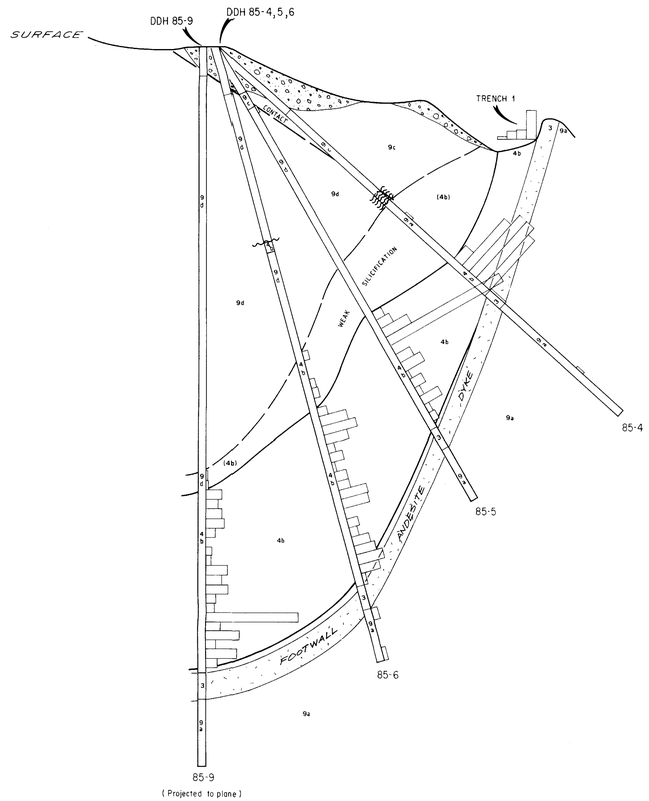
A

B



C

D



LEGEND

1	LAMPROPHYRE DYKE
3	ANDESITE DYKE
4b	GOLD BEARING ALTERATION ZONE: STRONG SILICIFICATION, SERICITIZATION, PYRITIZATION (4b) WEAK SILICIFICATION

UPPER TRIASSIC

9a	ANDESITE TUFF
9c	ANDESITE LAPILLI TUFF
9d	ANDESITE CRYSTAL & CRYSTAL-LAPILLI TUFF
9e	ANDESITE FINE-GRAINED ASH TUFF

GOLD BEARING ZONE

ALTERATION ZONE

OVERBURDEN

FAULT

GOLD VALUES
oz / ton

0·30
0·25
0·20
0·15
0·10
0·05
0·01

(Scale : 0·10 oz / ton = 8mm)

GEOLOGICAL BRANCH ASSESSMENT REPORT

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CONSOLIDATED SILVER STANDARD MINES LIMITED

PAYDIRT OPTION

STIKINE REGION BRITISH COLUMBIA

CROSS SECTIONS

LOOKING NORTH
(271° – 91° PLANE)

m 0 5 10 20 30 m
Ft. 0 10 25 50 75 100 Ft.

COMPILED BY: M.H.	DRAWN BY: W.R. / S.A.	DATE: NOV. 1985	NTS: 104 G / 3,4
SCALE: 1:250			FIGURE 8

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