Geophysical and Diamond Drilling Assessment Report on the SWAN 1-18 Mineral Claims, Toodoggone River Area, British Columbia

NTS 094E-035
UTM NAD 83 Zone 9
6,356,700m N; 617,000m E

Latitude 57° 23' N; Longitude 127° 00' E

FOR

Golden Dawn Minerals Inc.
3929 West 30th Ave.,
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BY

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PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
K. M. DAWSON

Table of Contents

List of Figures

List of Tables

Appendices

1.0 SUMMARY

The following field activities took place on the SWAN claims in the 2007 season:

- Geological examination and sampling of parts of the Saunders vein system, Copper Breccia and Som showings.
- Location of drill sites and building of drill pads on the Saunders and Som showings.
- Expansion of existing geophysical grid on Som showing, and carrying out 9.8 line-km of I.P. survey. The geophysical report is given in Appendix II.
- Drilling seven holes from four sites on the Saunders vein system for a total of 914 m of NT core drilling.
- Drilling two holes from two sites on the Som showing for a total of 903.15 m of NT core drilling.
- 2007 exploration expenditures on SWAN claims of $865,897.67 are given in Table III.

Saunders Vein System:

The principal target on the Saunders vein system was the Saunders "A" vein that was sampled in 2004 with a 3-m chip sample across sulphide-bearing epithermal quartz veins that yielded an assay of 23.4 g/t Au and 518 g/t Ag. The vein was traced 125 m northward where a grab sample of 1-3 m-wide crustiform quartz-pyrite veins yielded assays of 33.6 g/t Ag and 0.04 g/t Au. Drill hole S-07-07 tested this mineralized outcropping, intersecting a mylonitic quartz-pyrite vein 42 m vertically below the outcropping, that assayed 19.1 g/t Au and 1020 g/t Ag over 0.3 m. Drill holes S-07-01 and -02 intersected quartz veins whose assays ranged from 10 to 15 g/t Ag and 0.1 to 0.2 g/t Au over widths of 0.7 to 1.0 m, vertically below the mineralized Saunders "A" showing.

Drill holes S-07-3, -4, -5 and -6 tested veins occurring up to 500 m N and 200 m E of Saunders "A" vein, but did not intersect significant gold or silver values.

Som Anomaly:

Several MINFILE showings in the Som area were previously investigated with prospecting, geochemical and geophysical surveys. The porphyry copper potential was recognized, and diamond drill hole SOM-07-1 was located to test a strong I.P. chargeability anomaly from the 2007 survey coincident with a gossan and an adjacent geochemical anomaly located on a middle branch of Saunders Creek, 1.5 km northeast of the Saunders vein system. Drill sites SOM-07-01 and SOM-07-02 were located on lines 4630 and 4740, 110 m apart in the southwest corner of the geophysical grid (Figure 13, p. 44), and drilled to depths of 453 m and 450 m, respectively.

Porphyry-style quartz-sulphide veining, K-feldspar, epidote, chlorite and anhydrite alteration, and copper, molybdenum, lead and zinc mineralization were observed throughout the drill core, along with potassic, phyllic and silicified zones and breccia. Assays from Eco Tech Labs of Kamloops, B.C. showed dispersed, moderately elevated values in Zn, Cu, Ag and Au but no coherent intervals of significantly elevated assays.

2.0 Introduction and Terms of Reference

The SWAN property, located in the Toodoggone River region of north-central British Columbia, is host to several silver-gold and copper-silver-gold prospects and showings. MINFILE and ARIS report locations are plotted on the claim group in Figure 2, p. 16. The SWAN property has been the focus of periodic exploration since the 1960's, primarily for precious and base metal vein deposits. One company, Lacana Exploration, drilled five holes on the Golden Neighbour property in 1987. Current exploration has emphasized epithermal Au-Ag vein and porphyry copper targets.

Stealth Minerals Ltd. staked the SWAN claims in 2003, carried out geological mapping, prospecting and geochemical sampling programs in 2003 and 2004, and then optioned the property to Golden Dawn Minerals Inc. in 2004. Golden Dawn carried out a program of geological mapping and sampling in 2005. The option agreement was defaulted by Golden Dawn in 2005. Stealth carried out programs of rock sampling and geologic mapping in 2006, and then re-optioned the property to Golden Dawn in 2006, under terms given in Section 5.0 below. Golden Dawn submitted a NI 43-101

Technical Report on the SWAN property (Kimura, 2007) as part of an Initial Public Offering in April 2007.
This report summarizes geophysical, drilling and prospecting work done on the Swan property in 2007, under the supervision of the author of this report. Golden Dawn Minerals Inc. requested the author to prepare a NI 43-101 report embodying the current work on the property and updating the Technical Report of Kimura (2007), for the purpose of entering into an option agreement with a new partner.

3.0 Reliance on other Experts

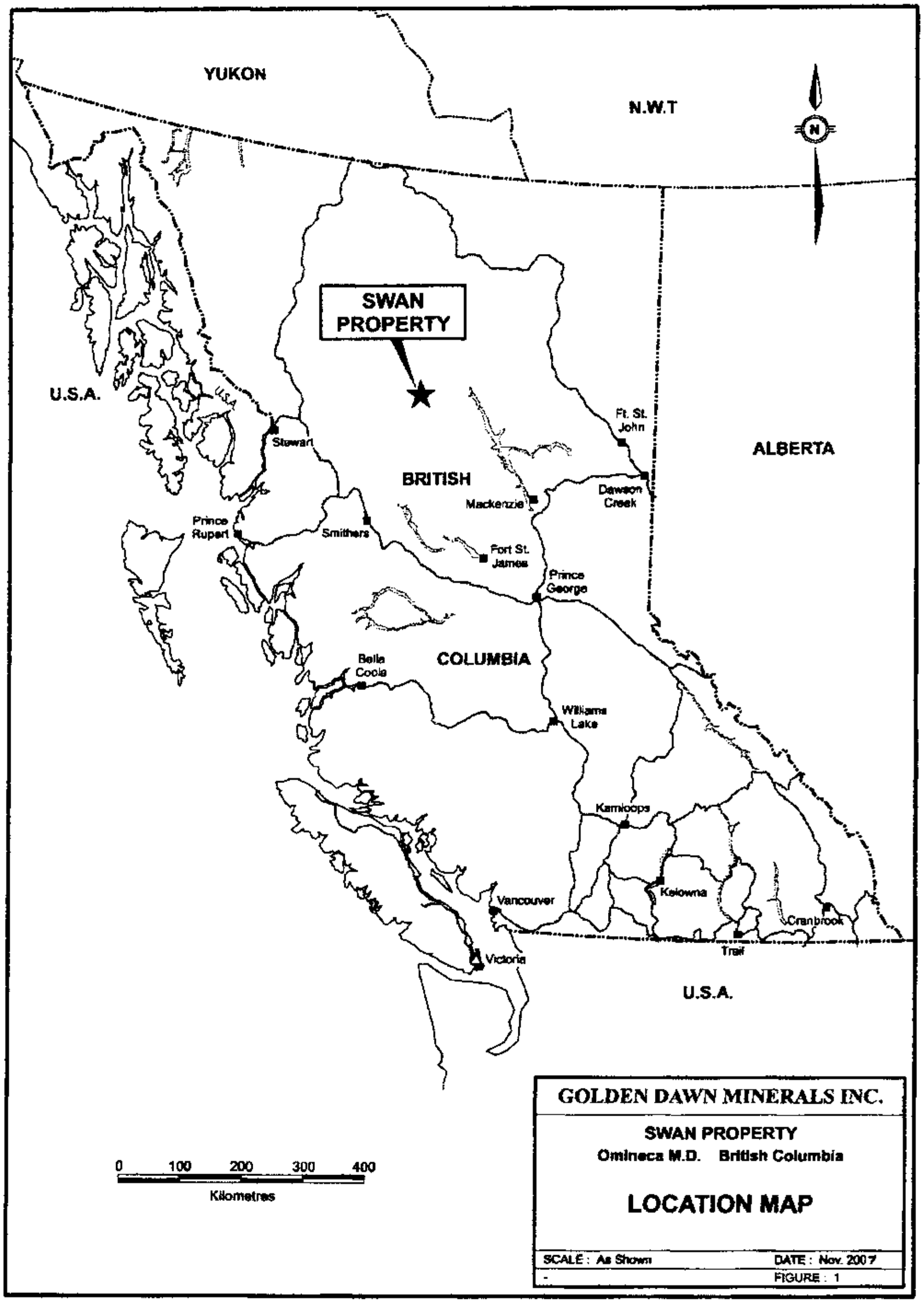
The author has reread a number of reports and published documents, as listed in "References", in preparation for writing this report. The information has been carefully assessed for reliability and relevance. Most recent, and most relevant reports include Kimura (2007), Barrios and Kuran (2006), Smith (2005), Mark (2004), and Kuran (2004). The author is personally acquainted with all the above authors and confirms their professional qualifications and the reliability of their reports. The reliability of some earlier assessment reports and the qualifications of the authors could not be endorsed to the same degree. The author has used caution in using specific information and unverified data in the preparation of this report.

4.0 Property Description and Location

The property is located some 280 km by air north of Smithers, B.C., or by the Omineca Resource Road, some 400 km north from Prince George (Figure 1).

The SWAN property is located immediately south of the Toodoggone River and 9 km west of Toodoggone Lake. The claims are located in the Omineca Mining Division at UTM NAD 83 Zone 9; 6,356,700 m N and 617,000 m E, on map sheet 094E.035, at Latitude 57°23'N and Longitude 127°00'W. Swan Mineral Claim 12, located at the southern boundary of the claim block, is on map sheet 094E025.

The mineral claims were initially staked by Stealth Minerals Ltd. under the Modified Grid System and converted to the Mineral Title Online System on November 6, 2005. The claims have not been legally surveyed at time of writing of this report.


YUKON
N.W.T
N
SWAN PROPERTY
U.S.A.
U.S.A.
ALBERTA
Ft. St. John
Stewart
BRITISH
Mackenzie
Dawson Creek
Prince Rupert
Smithers
Fort St. James
Prince George
Bella Coola
COLUMBIA
Williams Lake
Kamloops
Vancouver
Kelowna
Cranbrook
Victoria
Trail
U.S.A.
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
Omineca M.D. British Columbia
LOCATION MAP
0 100 200 300 400
Kilometres
SCALE : As Shown
DATE : Nov. 2007
FIGURE : 1

The SWAN property now consists of 17 contiguous minerals claims totaling 6060.926 ha., as shown on Figure The claims are owned 100% by Stealth Minerals Ltd., and are under option to Golden Dawn Minerals Inc. Claim data are given in Table 1.

5.0 Access, Climate, Physiography and Infrastructure

Closest road access is from the Baker Mine Road, a branch off the Omineca Resource Road, 2 km southwest of the southern boundary of the claims. Current access to the property is by helicopter based at Stealth Minerals' camp at the confluence of the Finlay and Firesteel rivers, 25 km to the south.

Seasonal temperatures vary from -35°C in winter to over 30°C during the four summer months. The mean daily temperatures for July and January are approximately 14°C and -20°C, respectively. Precipitation between 50 and 75 cm occurs annually, with most precipitation during the winter months as snow cover of about 2 m. The optimal time for surface exploration on the SWAN property is between mid-June and mid-October.

The claims cover an area of mainly northerly draining mountainous terrain of moderate relief ranging from 1300 m ASL at the northern edge to 2050 m on local peaks. Vegetation ranges from widely spaced jack pine and spruce at Toodoggone River, through stunted balsam and willows at tree line at 1600 m, to barren rock with patchy balsam and sedges at higher elevation. The central, northward flowing streams on the claims follow alpine glacial valleys. Hills are covered by variable thickness of till, overlain by talus slides at higher elevations.

5.1 Local Resources and Infrastructure

Airstrips exist at Kemess South Mine and in the Sturdee River valley, about 20 and 30 km south and north, respectively from the Stealth base camp. Daily flights by NT Air connect the mine with Smithers, Prince George and Vancouver. No scheduled flights operate from the Sturdee strip. Engineering studies have been completed for the Stewart-Omineca Resource Road which involves two new roads: the Sloane Connector from the Thutade Omineca Forest Service Road 53 km to the CNR railhead at Sloane near Sustut Coal, and the Tommy Jack Connector 58 km from Sloane to the Sicantine River. When completed this will provide a connection from

Kemess Mine to the deepwater port at Stewart, 475 km by road to the west. The Kemess South Mine operates year-round, employing 450 people in 2005 on a fly-in fly-out basis from major centres in B.C. Emergency medical facilities are available at the mine nursing station. Canadian Helicopters bases one or two Bell 206 Jet Ranger helicopters at Kemess Mine, available on casual charter basis.

No local communities exist nearby to provide field personnel. Groceries, fuel and other supplies are available at Mackenzie, Prince George and Fort St. James, 7 to 10 hours drive from Stealth base camp. The Stealth base camp, located a 15-minute helicopter flight to the south of Swan claims, has the infrastructure to house and feed up to 25 men. Facilities exist for core logging, sampling and secure sample storage. Communication by satellite telephone is available at Stealth camp and Kemess Mine.

Construction of Kemess Mine in 1997 included bringing in a 240 kv power line connected to the provincial power grid. Additional power will be required when Northgate brings the Kemess North deposit on stream, and expands the mill accordingly. Development of the hydroelectric potential of the upper Finlay River at Casacadero falls is anticipated.

6.0 Claim Status and Property Ownership

The SWAN property now consists of 17 mineral claims containing 6060.926 hectares (Figure 2). The claims have not been legally surveyed. SWAN claim information is given in Table 1.

The SWAN claims are owned 100% by Stealth Minerals Ltd. On August 14, 2004 Stealth granted an option to Golden Dawn Minerals Inc. to acquire a 60% interest in the property in consideration of cash payments totaling $145,000, the issuance of 700,000 common shares and incurring work expenditures totaling $1,750,000 within four years. During the year ended December 31, 2005 Golden Dawn was not in compliance with these terms and was in default. On December 6, 2006 Golden Dawn entered into a new agreement with Stealth, pursuant to which they were granted an option to acquire 51% interest in the SWAN property in consideration of total cash payments of $350,000, the issuance of 1,000,000 common shares, and by incurring total expenditures of $1,750,000. In a prospectus issued by Golden Dawn on April 7, 2007, the company had spent approximately $234,000 on exploration costs related to the SWAN property.

6.1 Environmental Liabilities

There are no environmental liabilities attached to the property. No track-mounted or excavator vehicles have accessed the property since the only access is by helicopter. There are no historic mine workings, tailings or waste disposal sites. Previous exploration activities have left minimal environmental damage. No logging activities have occurred on the claims, and no man-made improvements have been constructed.

6.2 Exploration Permit

Golden Dawn Minerals Inc. filed an application under the Notice of Work and Exploration Program dated May 25, 2007. On July 25, 2007 Golden Dawn received from the Inspector of Mines: Mines Act Permit: MX-13-150 and Approval #: 07-1640461-0725. Approved exploration activities included diamond drilling and line cutting for a geophysical survey.

7.0 History and Previous Work

The earliest recorded mineral exploration activity in the Toodoggone River area dates back to 1925 when placer gold was recovered by a prospector in McNair Creek, a tributary of the Toodoggone River, immediately north of SWAN claims. In the early 1930's Cominco explored the area for base metals and identified several lead-zinc skarn and lead-zinc-silver vein prospects. In 1966 Kennco Explorations expanded their porphyry copper exploration program to include the Toodoggone River area that resulted, in 1967, in the discovery of the Kemess North copper-gold mineralization and, shortly later, the Pine-Fir-Tree deposits. The discovery of high-grade gold-silver-bearing quartz float by Kennco in 1968 was the beginning of the Toodoggone exploration boom, leading to the discovery of gold-silver veins on the Baker, Lawyers and Shasta properties and numerous other prospects in the period from 1969 to 1973. The Baker was developed in 1981, the Lawyers and Shasta mines in 1989. The Kemess South copper-silver porphyry deposit was discovered in 1984, and currently operates at 50,000 t.p.d.

Historical work on the area of the SWAN claims is summarized in Table II. No work was done during the period from 1969 to 1973. Exploration work was completed between 1969 and 1998 on the nine MINFILE occurrences within the claims, and no work was done subsequently until the Stealth

Minerals prospecting and geochemical sampling program in 2003 (Kuran, 2004).

7.1 2003 Exploration Program

Stealth Minerals staked the SWAN claims in June 2003. During the same year field crews completed a program of prospecting, stream geochemical sampling, and, in participation with the Geological Survey of Canada/Private Partnership Toodoggone Initiative, completed a helicopter airborne magnetic and radiometric survey (Kuran, 2004).

7.2 2004 Exploration Program

Stealth Minerals conducted a geological mapping, prospecting and sampling program during July and August, 2004, in part to follow up on surface and airborne work done in 2003. The main objectives were to examine and evaluate several known mineral showings including the Golden Neighbour 1 and 2, Dave Price, Saunders South, Som, Saunders North, Saunders Main, and Copper Breccia (Smith, 2005).

7.3 2006 Exploration Program

Stealth Minerals completed a program of rock sampling and geological mapping on the Copper Breccia, Camp, Golden Neighbour 2 and Saunders showings. The field work complemented information from the 2003 and 2004 programs to determine and confirm if potential extensions and continuity of mineralized zones and structures could be established. A total of 26 chip samples was collected from the various showings, and assay results for Cu, Ag, Au, Pb and Zn were plotted on geochemical maps (Barrios and Kuran, 2006).

8.0 Geological Setting

8.1 Regional Geology

The SWAN claims are situated within a Mesozoic volcanic arc assemblage that lies along the eastern margin of the Intermontane Belt, a northwest-trending belt of Paleozoic to Tertiary sediments, volcanics and intrusions bounded to the east by the Omineca Belt and to the west and southwest by the Sustut and Bowser basins. To the east of the Toodoggone region, Precambrian and Paleozoic clastic and chemical sedimentary rocks of the Cassiar Terrane (Omineca Belt) are separated from the Intermontane Belt by a regional system of transcurrent faults (Diakow, Panteleyev and Schroeter, 1993). The regional geology of the Toodoggone Lake area adjacent to the SWAN claims is given in Figure 3 taken from the BCDM website MapPlace. Figure 3A shows the Swan property with adjacent principal mineral properties on a regional geological base, after Kimura (2007).

The Intermontane Belt is made up of four unique terranes, and the Toodoggone region lays within the Stikine, and in part, the Quesnel Terrane. Permian Asitka Group crystalline limestone, siltstone and chert are the oldest rocks exposed in the region. They are commonly in thrust contact with Upper Triassic Takla (also called Stuhini) Group andesite flows and pyroclastic rocks. Takla volcanics have been intruded by granodiorite and quartz monzonite of the Black Lake Plutonic Suite of Early Jurassic and Late Triassic age. Takla rocks may be unconformably overlain by or faulted against Lower Jurassic calc-alkaline volcanic rocks of the Toodoggone Formation, Hazelton Group (Barrios and Kuran, 2006). Takla, Toodoggone, Hazelton and intrusive rocks comprise a series of NW to NNW-trending volcano-plutonic belts. Mesozoic intrusions of the mainly Lower Jurassic Black Lake Plutonic Suite cut Asitka and Takla (Stuhini) rocks and are, in part, coeval with the Toodoggone Formation. The Kemess and Pine porphyry Cu-Au deposits are associated with Lower Jurassic calc-alkaline intrusions. The Geigerich, Duncan and Sovereign plutons are of predominantly granodioritic composition and are compositionally and texturally similar. The northwestern contact of the Geigerich pluton is the location of the Pine, Tree, Fin and Mex porphyry Cu-Au (Mo) prospects. The Black Lake stock is in contact with Asitka marble at Baker Ag-Au mine and VIP base metal skarn prospect. The Duncan pluton plunges southeastward beneath the Kemess North developed porphyry Cu-Au deposit, and affects adjacent Toodoggone Formation volcanic rocks (Diakow and Metcalfe, 1997).

Hazelton Group rocks are composed of an undivided unit and the Toodoggone Formation, locally. The lower Toodoggone cycle consists of the Metsantan and Graves Members, and the upper cycle consists of the Pillar and Saunders Members, the latter being the host rock for the Saunders Main showings. The Saunders Member is composed almost exclusively of welded crystal dacite ash flow and tuff. The Graves Member is an ash-flow tuff rich in lithic sub-rounded to angular clasts that hosts the Som showing as well as the Camp, Golden Neighbour 1 and 2 and Saunders Northwest showings (Barrios and Kuran, 2006).

Dykes and dyke swarms of quartz monzonite are locally proximal to and associated with copper-gold mineralization as at the Brenda deposit southeast of SWAN claims. The dyke sets usually follow the northwest trend of structural breaks that trace several mineralizing events within the Toodoggone camp. Dykes and sills of trachyandesite, latite and minor basalt cut previous lithologies.

Lower to Upper Cretaceous Sustut Group rocks are mainly clastic sedimentary, in part conglomeratic, and lesser volcanic units. They overly unconformably Takla/Stuhini and Hazelton Group rocks to the west of the Toodoggone volcanic arc. It is inferred that the Sustut Group clastics rapidly covered underlying Toodoggone Formation and older rocks, in part preserving them and their contained mineral deposits from erosion by future glacial activity in the district.

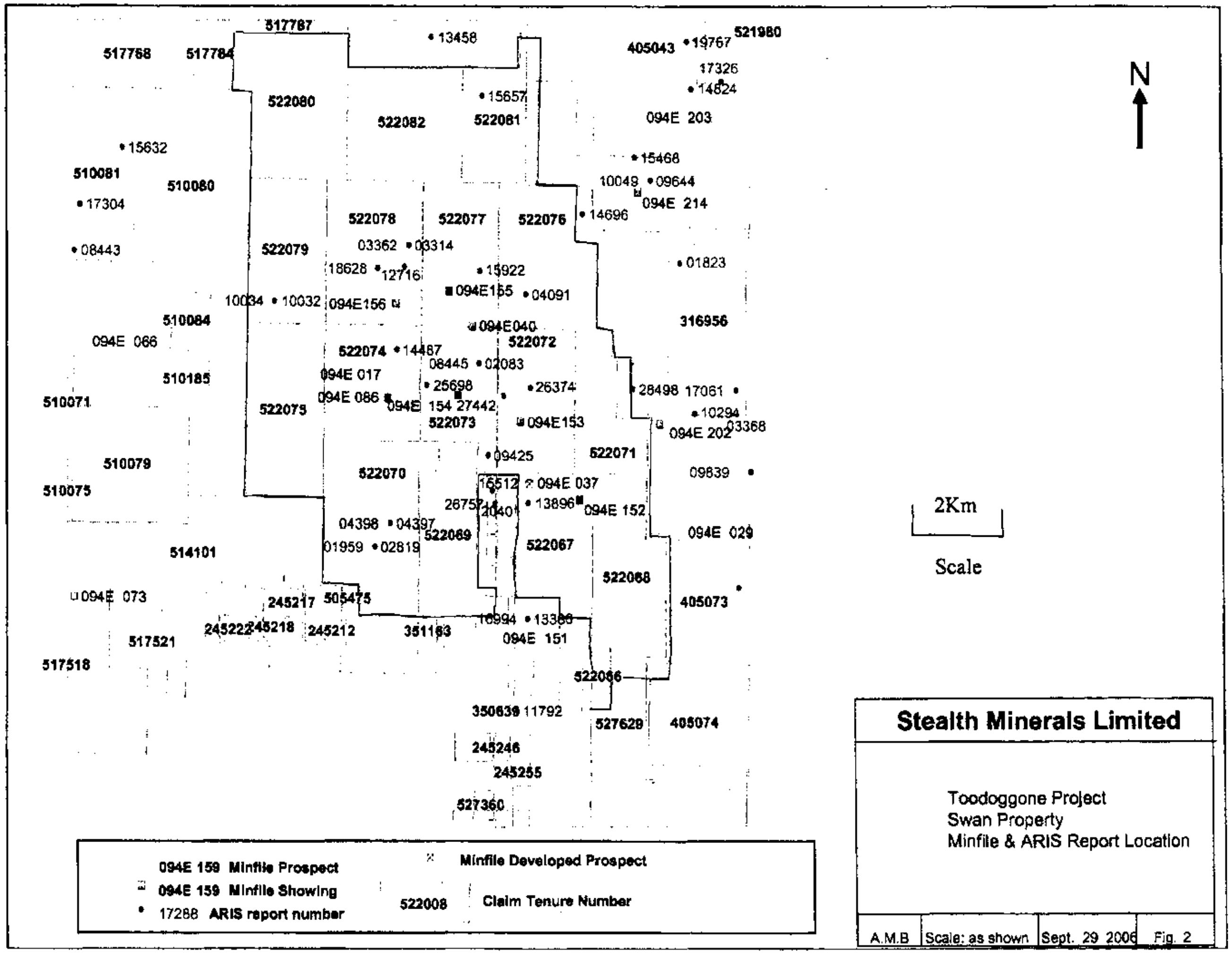

N
2Km
Scale
Stealth Minerals Limited
Toodoggone Project
Swan Property
Minfile & ARIS Report Location
A.M.B
Scale: as shown
Sept. 29 2006
Fig. 2
094E 159 Minfile Prospect
094E 159 Minfile Showing
17288 ARIS report number
Minfile Developed Prospect
522008 Claim Tenure Number

Table 1: Claim Status

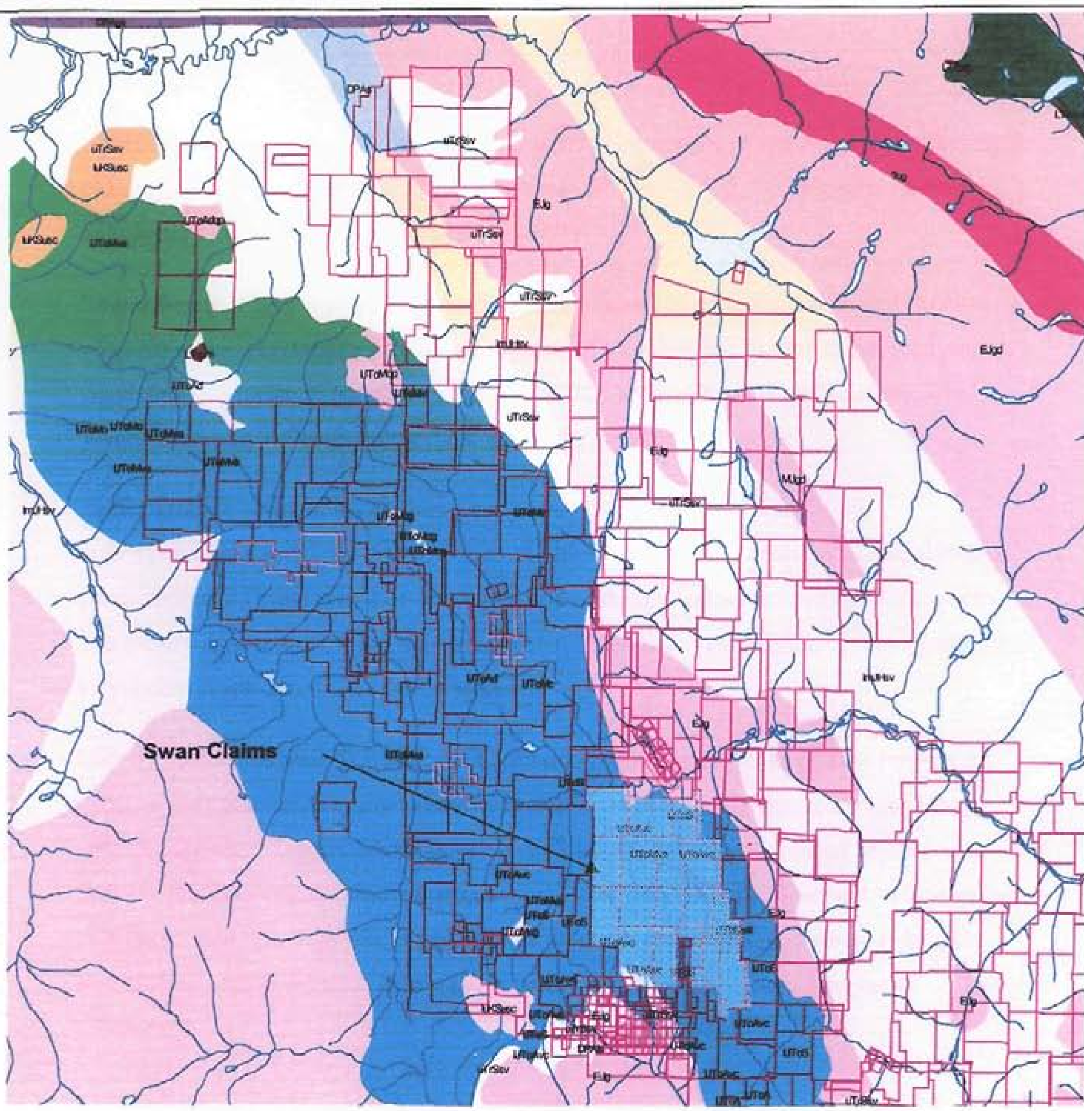
Owner: 140187 (100%)
Mining District: Omineca
Status: Conv 2005/Nov/06
Good to: 2008/Sept 28

Tenure No.	Claim Name	Area	Tag No.	Map No.
522078	SWAN 1	436.501	221550	094E035
522067	SWAN 10	349.603	244802	094E035
522068	SWAN 11	437.045	244803	094E035
522069	SWAN 9	314.636	244797	094E035
522070	SWAN 8	506.873	244796	094E035
522071	SWAN 7	279.542	244801	094E035
522072	SWAN 6	349.419	244800	094E035
522073	SWAN 5	296.993	244805	094E035
522074	SWAN 4	349.382	244804	094E035
522075	SWAN 18	419.292	245399	094E035
522076	SWAN 3	401.615	244799	094E035
522077	SWAN 2	349.218	244798	094E035
522079	SWAN 17	348.189	245398	094E035
522080	SWAN 16	471.131	245397	094E035
522081	SWAN 15	296.678	245381	094E035
522082	SWAN 14	418.832	245380	094E035
522066	SWAN 12	34.977	715616M	094E025
	Total Area	6060.926		

Stealth Minerals Limited
Table II:
Mac Historical Work

Aris Rpt #	Year	Property	Operator	Author	Title	Work Type	Minfile No	CostYr$
2083	1969	Som	Cominco Ltd	Cooke, David L.	Geological and Geochemical Report on the SOM 1-40 Claims	Geochem, Geological		$ 3,870.00
3314	1971	Saunders	Kennco Explorations (Canada	Stevenson, R.W.	Report on Soil Geochemical Survey Saunders Group 1.	Geochem		$ 3,318.50
3362	1971	Saunders	Kennco Explorations (Canada	Stevenson, R.W.	Silt and Soil Geochemical Survey on Saunders Group 2	Geochem		$ 2,673.00
3366	1971	Saunders	Kennco Explorations (Canada	Stevenson, R.W.	Report on Soil Geochemical Survey Saunders Group 3.	Geochem		$ 2,138.00
3417	1971	Saunders	Kennco Explorations (Canada	Stevenson, R.W.	Report on Silt Geochemical Survey	Geochem		$ 531.00
4065	1972	Saunders	Kennco Explorations (Canada	Grace, K	Report on Geological, Geochemical and Geophysical Survey Saunders NO. 2 Group Compressing Saunders			$ 1,369.50
4091	1972	Toodoggone	Denison Mines	Sanders, K.G; Pisani, P.	Geological And Geochemical Report on the Toodoggone Property	Geochem, Geological		$ 8,200.00
4398	1973	Gold	Bow River Resources	Mullan, A.; Smith, P.K.	Report on the Combined Airborne Magnetic and Kem Survey - Tood	Geophysical		$ 5,100.00
8445	1980	Golden Neighbour Pr	Lancana Ex.	Gower, Stephen C.	Geological, Geochemical, Geophysical, Trenching Report; Golden N	Geochem		$ 18,017.00
9238	1980	Saunders	Golden Rule Resources Ltd.	Fox, Michael	Reconnaissance Geochemical Report Saunders 1-4 Claims	Geochem		$ 1,967.40
9425	1980	Artfull Dodger	Lancana Ex.	Gower, Stephen C.	A Report on Geochemical Sampling on the Artful Dodger Mineral Cl	Geophysical, Physical		$ 2,637.00
10034	1981		Great Western Petroleum	Eccles, L	Geological and Geochemical Report on GWP 19, 20, 41, 43	Geochem, Geo		$ 19,191.25
10035	1987		Great Western Petroleum	Eccles, L	Geological and Geochmical Report GWP 13, 15, 17, 21, 22, 23 Cla	Geochem, Geological		$ 19,752.00
10349	1981	Saunders	Golden Rule Resources Ltd	Fox, Michael	Geological, Geochemical, Geophysical Report on the Saunders 1-4	Geochem, Geological, Geophysical		$ 22,612.00
12716	1983	Saunders	Golden Rule Resources Ltd	Wilson, G.L.	Geological and Geochemical Report on the Saunders 1-4 Claims	Geochem, Geological	094E 017, 037, 040	$ 39,463.38
13896	1985	Golden Neighbour	Alban Ex.	Jones, Harold M.	Assessment Report on Golden Neighbour Group Toodoggone Lake	Geophys, Phys	094E 037	$ 15,386.59
14487	1986	Saunders	Golden Rule Resources Ltd	Davis J.	Geological and Geochemical Report on Saunders 1-4 Mineral Claim	Geochem, Geological	094E 017, 040	$ 17,632.00
15512	1987	Golden Neighbour Pr	Lacana Ex.	Johnston, R.	Report on Diamond Drilling Golden Neighbour Property	Drilling, Geochemical		$ 94,800.00
15922	1987	Saunders	Golden Rule Resources Ltd		1988 Geological and Geochemical Report on the Saunders 1-4 Clai	Pysical	094E 017, 037, 040	$ 6,400.00
18628	1989	Saunders	Golden Rule Resources Ltd	Evans, B.T.; Komarevich, M	Geological and Geochemical Report on the Saunders 1-4 Claims	Geochem, Geological	094E 017	$ 7,236.00
20401	1990	Golden Neighbour	Skeena Resources Ltd.	Aussant, Claude H.	Geological, Geochemical, and Prospecting Report on the Golden N	Prospecting	094E 037	$ 14,041.70
25698	1998	Saunders	Heard, Richard T.	Carter, Nicholas C.	Geological & Geochemical Report on the Saunders Property	Prospecting		$ 1,208.70
27600	2004	Gold	Finlay Minerals Ltd	Ray, Gerry E.	Geology and Mineral Potential for the Gold Claims	Geochem, Geological	094E 037	$ 19,390.00
27442	2004	Swan	Stealth Minerals Ltd	Kuran, David L.	Report on the Swan Property	Geophysical, Geochem	All Swan Minfile	$ 33,903.00
27760	2005	Swan	Golden Dawn Minerals Inc.	Smith, F.R.	Geochemical and Geological Report on the Swan Property	Geophys, Phys, Geoch	All Swan Minfile	$ 195,017.00
							Total of Expendatures	$ 555,853.02

Minfile #	Names	Status	Commodities	Deposit Type	Comments	Location	Mining Division
094E 017	Saunders	Prospect	AG, AU, CU, PB	H05	Qtz-Ba Bx, 4x80m w/ cpy, py ga; 1.41g/tn Au; 164.6g/tn Ag	615645E 6356248N	Omenica
094E 037	Golden Neighbour	Developed Prospect	AG, AU, ZN CU, PB, MO, TU	H05	1x6km gossan; 606m DDH; 0.23g/tn Au; 11.7g/tn Ag, 0.08% Cu/1.8	618353E 6354624N	Omenica
094E 040	Som	Showing	CU		Fractured andesite tuff w/ cpy: 0.28%Cu/9.14m	617127E 6357095N	Omenica
094E 152	Golden Neighbour	Showing	AG, CU, AU		Qtz/Carb zone 4m wide; 0.08g/tn Au, 49g/tn Ag/1.0	619347E 6354405N	Omenica
094E 153	Camp 1	Showing	AG, AU, CU	H05	Fractured feldspar porphyry w/ malachite; 0.2g/tn Au; 18.9g/tn Ag	618448E 6355972N	Omenica
094E 154	Saunders South	Showing	AG, AU		Qtz-Hem vein 0.1m wide; 0.12g/tn Au, 10.2g/tn Ag	616892E 6355974N	Omenica
094E 155	Saunders North	Showing	AG, AU	H05	Silicification: 0.23g/tn Au; 18.8g/tnn Ag	615646E 6357443N	Omenica
094E 156	Saunders Northwe	Showing	AU, AG	H05	Qtz bx vein 1.42g/tn Au, 11.7g.tn Ag/0.2m	615613E 6367392N	Omenica
094E 157	Saunders Southwe	Showing	AG	H05	Silic. Qtz/carb Bx 2m wide; 0.1g/tn Ag; 10.4g/tn Ag	616746E 6357026N	Omenica



KSs	Cretaceous; Sustut Grp, Sediments
JTv	Jurassic; Toodoggone Fmn, Volcanics
JHv	Jurassic; Hazelton Grp.,Volcanics
TrTsv	Triassic; Takla Fmn; Volcanics, Sediments
TrTv	Triassic; Takla Fmn, Volcanics
DAv	Devonian; Asitka Fmn, Volcanics
DAl	Devonian; Asitka Fmn, Limestone
PrSs	Proterozoic; Swannell Fmn, Sediments.

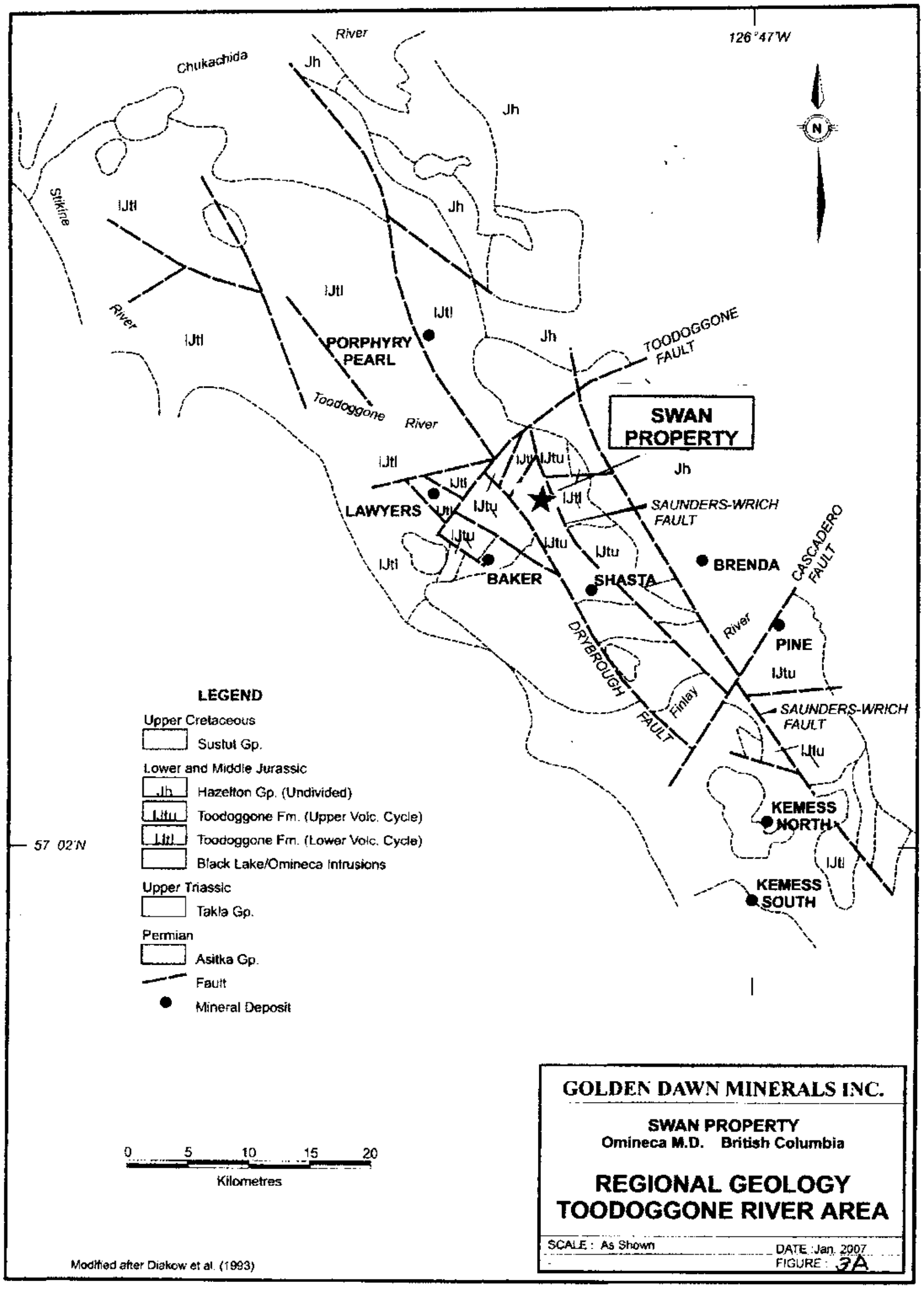
eKqm	Cretaceous Quartz Monzonite
eJg	Jurassic Granodiorite
Ogn	Ortho Gneiss

0 10 km N

Stealth Minerals Limited

Toodoggone Project
Regional Geology
Swan Claims

DLK | NTS 94 E | 1:50,000 | Oct 5 2006 | Fig 3



126°47'W
N
57 02'N
Chukachida
River
Stikine
River
Toodoggone
River
Finlay
River
Jh
lJtl
lJtu
PORPHYRY PEARL
TOODOGGONE FAULT
SWAN PROPERTY
LAWYERS
BAKER
SHASTA
BRENDA
SAUNDERS-WRICH FAULT
CASCADERO FAULT
DRYBROUGH FAULT
PINE
KEMESS NORTH
KEMESS SOUTH
LEGEND
Upper Cretaceous
Sustut Gp.
Lower and Middle Jurassic
Hazelton Gp. (Undivided)
Toodoggone Fm. (Upper Volc. Cycle)
Toodoggone Fm. (Lower Volc. Cycle)
Black Lake/Omineca Intrusions
Upper Triassic
Takla Gp.
Permian
Asitka Gp.
Fault
Mineral Deposit
0 5 10 15 20
Kilometres
Modified after Diakow et al. (1993)
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
Omineca M.D. British Columbia
REGIONAL GEOLOGY
TOODOGGONE RIVER AREA
SCALE: As Shown
DATE: Jan. 2007
FIGURE: 3A

8.2 Structure

A system of NW to NNW-striking faults, and a secondary, cross-cutting set of NE to ENE faults apparently impart primary control of deposition of Toodoggone volcanics and emplacement of co-magmatic and coeval plutons. Regional faults include the Saunders, Wrich, Black and Pil that occur over strike lengths up to 80 km in the district. Movement on the faults is mainly normal, but faults also display dip-slip movement, placing Takla/Stuhini Group rocks in contact with Toodoggone Formation Group rocks as at Kemess North (Diakow and Metcalfe, 1997), and also placing Asitka Group rocks adjacent to plutons.

Northeasterly trending high angle faults cut and displace northwest trending structures, and tilt and rotate monoclinal strata (Diakow, 1986). The presence of high level epithermal Au-Ag vein mineralization at Wrich Hill-Goat Mountain at substantially higher elevation than similar vein deposits at the Electrum deposit to the northwest across the Finlay River supports a post-mineral, north side down displacement along a northeast trending fault system in the Finlay River valley (Blann, 2001).

8.3 Property Geology

The SWAN property is centred mainly on volcanic members of the Toodoggone Formation. Property geology is given in Figure 4 after Barrios and Kuran (2006) who conducted outcrop mapping at 1:20,000 scale during the 2006 field season. Toodoggone volcanics are intruded on the northeast by a northwest-elongated granodiorite stock. To the south, Toodoggone Formation is in contact with uplifted blocks of Takla Group volcanic rocks that are, in turn, intruded by granodiorite of the Black Lake stock.

Porphyritic andesite flows of the Metsantan Member (TM), mapped in the eastern part of the property, host the pyrite-chalcopyrite-bornite veins and breccia of the Copper Breccia showing. Stratigraphically underlying this unit on the west is the Graves (TG) lithic-rich dacite ash-flow tuff. The Graves Member hosts the Camp, Golden Neighbour 1 and 2, Som and Saunders North showings. The Saunders Fault places the Graves Member in contact with dacite ash-flows of the Saunders Member (TS). Gossans, quartz-sericite- pyrite altered rocks, and both the Saunders North and South showings are located along the trace of the Saunders Fault. Low sulphidation epithermal quartz-sulphide veins of Saunders Main showing are located along a subsidiary north-south trending fault in lithic and crystal tuffs of the Saunders Member. An outcropping of welded dacite ash-flow tuff on the ridge above the Saunders Main showing was interpreted to be Graves Member by Barrios and Kuran (Ibid.).

All four Toodoggone members are intruded by felsic granitoid dykes. As shown on Figure 4, a set of feldspar-phyric monzonite porphyry dykes intrudes the Pillar, Metsantan and Graves members in a dominantly northwestern trend at Golden Neighbour 1 and 2 and Copper Breccia showings. Dykes range up to about 10 m wide, but one outcropping of monzonite porphyry is interpreted to represent a dyke or stock about 350-400 m wide. In Saunders drill holes S-07-03 and -04 monzonite porphyry dykes 3m and 8m wide intrude Saunders Member dacite tuff, and also rhyodacite porphyry dykes 1.5m, 2 m and 2.5 m wide were intersected.

9.0 Deposit Types

Three deposit types are recognized from the district: porphyry Cu-Au (Mo), Au-Ag veins of quartz-kaolinite-alunite or high-sulphidation type, and adularia-sericite or low sulphidation type. Brief descriptions of these deposit types follow:

9.1 High-Sulphidation Epithermal Au-Ag (Panteleyev, 1995).

Epithermal-type gold-silver-copper mineralization is associated with high level hydrothermal systems marked by acid-leached, advanced argillic, siliceous alteration. The deposits commonly can be genetically linked to high-level intrusive bodies. The deposits are commonly referred to as *acid sulphate* type after the chemistry of the hydrothermal fluids, *quartz-alunite* or *kaolinite-alunite* type after their alteration mineralogy, or *high- sulphidation* type in reference to the sulphur high oxidation state of the acid fluids responsible for the alteration and mineralization. Setting is extensional volcano-plutonic arc and continental margin; depositional environment is subvolcanic to near surface; age of mineralization is Tertiary to Quaternary, less commonly Mesozoic as at Toodoggone area, B.C.

Form is replacement pods and lenses, veins, stockworks and breccia fillings. Principal metallic minerals are pyrite, enargite, covellite, gold and electrum. Major alteration minerals are quartz, kaolinite, dickite, alunite, barite, hematite, sericite/illite, amorphous clays and silica, pyrophyllite, andalusite, diaspore, corundum, tourmaline, dumortierite, topaz, zunyite and jarosite. B.C. examples include the Al and Bonanza deposits at Albert's Hump, Toodoggone district, and Mt. McIntosh and Hushamu deposits near Island Copper Mine, Vancouver Island.

9.2 Low-Sulphidation Epithermal Au-Ag (Panteleyev, 1995).

Quartz veins, disseminations, stockworks and breccia filling by precious metal-bearing ores with variable base metal contents form in high level (epizonal) to near surface environments. The mineralization is marked by open-space filling ore textures and is generally associated with volcanic-related hydrothermal to geothermal systems. Synonyms include *adularia-sericite* type, *quartz-adularia* type, *bonanza Au-Ag, Creede-,Comstock-, and Sado*-types. Settings are volcanic and continental margin magmatic arcs and continental volcanic fields. High-level hydrothermal systems mineralize extensional structures in volcanic fields, and caldera or graben-fill clastics. Age of mineralization is close to that of associated volcanics, Tertiary deposits are most abundant but Jurassic deposits, i.e. Toodoggone camp, are important in B.C.

Principal ore minerals are pyrite, electrum, gold, silver and argentite; subordinate are chalcopyrite, sphalerite, galena, and tetrahedrite. Principal gangue minerals are quartz, amethyst, chalcedony, and quartz pseudomorphs after calcite, calcite, sericite, barite and fluorite.

Alteration assemblages include pervasive and intensive silica, sericite, illite-kaolinite, adularia and calcite. Intermediate argillic assemblages (kaolinite-illite-montmorillonite) form adjacent to some veins, advanced argillic assemblages (kaolinite-alunite) can form at the tops of mineralized zones, and propylitic alteration predominates peripherally and at depth. Toodoggone examples include Lawyers, Baker and Shas. B.C. examples include Blackdome, Silback Premier and Cinola. Global examples include Comstock NV, Creede CO and Guanajuato, Mexico.

9.3 Porphyry Copper (Kirkham and Sinclair, 1995)

Large low- to medium-grade deposits in which hypogene ore minerals are primarily structurally controlled (e.g. veins, vein sets, stockworks, fractures, "crackled zones" and breccia pipes) and which are genetically related to felsic to intermediate porphyritic calc-alkaline intrusions. The metal content may include economically important amounts of molybdenum, gold and silver, leading to their classification as other subtypes (e.g. Cu-Au or Cu-Mo) depending on grade. Deposits are typically large and contain hundreds of million tons of ore, and are the world's most important source of copper. Canadian examples include Island Copper, Valley Copper and Kemess South.

Copper grades range from 0.2% to more than 1% Cu. If present, Au ranges from 0.004 to 0.35 g/t in the calc-alkaline class of deposit, and Mo content from about 0.005 to 0.05% Mo. Typical setting is the root zone of andesitic stratavolcanoes in subduction-related island arc and continental-arcs, possibly in extensional zones. Age is commonly Triassic or younger, but may be as old as Archean. Mineralogy is varied, pyrite is typically the dominant sulphide mineral, then chalcopyrite, bornite, chalcocite, tennantite, enargite, other copper sulphides, sulphosalts, molybdenite and electrum. Associated minerals include magnetite, quartz, biotite, K-feldspar, anhydrite, muscovite, clay minerals, epidote and chlorite.

In the Toodoggone camp, the Kemess South and North are giant copper-gold porphyry deposits. Proven and probable reserves at Kemess South are 68.03 million tonnes grading 0.65 g/t Au and 0.21% Cu as of December 31, 2005. Probable reserves at Kemess North are 414 million tonnes grading 0.31 g/t Au and 0.16% Cu (Lane *in* Schroeter, et al., 2007). Other significant porphyry deposits are the Pine, Fin-Tree, Pil and Brenda.

10.0 Mineralization

Gold-silver mineralization at Lawyers, Baker and Shasta mines and Quartz Lake prospect is of low sulphidation- style epithermal vein type. High sulphidation epithermal veins are found at the Albert's Hump deposits (Al, Thesis, BV, Ranch) and the Alexandra prospect. Epithermal veins may be hosted in either Toodoggone or Takla volcanics, preferentially near faulted contacts between the two formations, and are of Early Jurassic age (L. Diakow, pers. comm., 2003). Low sulphidation epithermal vein assemblages commonly include chalcedonic or amethystine silica, banded silica/carbonate, adularia, sericite, pyrite and base metal sulphides, gold, electrum, silver and silver minerals. The principal epithermal deposits are aligned along structures adjacent and parallel to the western margin of the volcanic belt.

Lawyers Mine milled 570,889 tonnes of ore, recovering 113,184 kg of silver and 5,402 kg of gold. Baker Mine milled 81,878 tonnes of ore, recovering 33,019 kg of silver, 603 kg of gold and 13,076 kg of copper. The seasonally operating Shasta Mine milled 131,000 tonnes of ore, recovering 33,019 kg of silver and 603 kg of gold (B.C. MINFILE 2008))

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The Kemess South porphyry gold- copper mine of Northgate Minerals Corp. produces at a nominal rate of 50,000 tonnes per day, has been in production since 1998, and currently employs about 450 workers. Production for calendar 2006 is about 9600 kg (310,000 oz.) of gold and 36,000 t of copper. Proven reserves at Kemess South on December 31, 2005 stood at 68.03 million tonnes grading 0.65 g/t Au and 0.21% Cu. Existing reserves are expected to provide mill feed until 2009. The adjacent Kemess North developed prospect has proven and probable resources of 424 million tonnes of material grading 0.30 g/t Au and 0.155% Cu. The mine life of the combined operation could be extended to 2020 if the Kemess North mine proposal receives approval (R. Lane *in* Schroeter et al., 2007).

Significant mineral deposits and occurrences on the Swan mineral claims are listed in Table II, and plotted on the claim block in Figure 2. Geological descriptions of the various showings are summarized below, after Kimura (2007), with data taken from published Assessment Reports.

10.1 Saunders Main Showing

The Saunders Main Vein, also called "Saunders A" occurs as a 3.0 to 4.0 m wide quartz-barite-sulphide breccia zone in partly welded, dacitic crystal ash-flow tuff of the Saunders Member of the Toodoggone Formation. The zone has trend az. 170° and it has been traced by hand trenching for 80 m before it disappears below talus. Blue-grey quartz veins up to 3.0 m thick with associated chalcopyrite, pyrite, galena, malachite and azurite are developed within brecciated and silicified wallrock. Chip and chip-channel samples of the zone have returned assays ranging from 1.41 g/t Au and 164 g/t Ag to significantly higher 23.4 g/t Au and 518 g/t Ag.

10.2 Saunders B Showing

Narrow 2 to 30 cm wide quartz veins occur about 200 m east of and subparallel to the Saunders Main Vein, in a similar geological setting. Vuggy quartz veins with pyrite, minor amounts of chalcopyrite and galena are developed in dacitic tuff. Narrow 20 to 50 cm wide buff-coloured alteration zones of quartz-sericite-pyrite and carbonate bound the quartz veins. Chip samples across two separate veins returned analyses of 1.39 g/t Au and 127 g/t Ag. A train of blocky 0.5 m size quartz vein float was observed in talus about 10 m west of the vein outcropping, but hand trenching did not reveal the source.

10.3 Saunders Southwest Showing

Two subparallel 1 to 2 m- wide quartz breccia zones with associated pyrite crop out along a ridge 350 m south of Saunders Main Vein. One sample returned an assay of 0.108 g/t Au and 24.0 g/t Ag. The zone has the same orientation as the Saunders Main Vein, and may possibly represent the southern extension of, or a subparallel en echelon-oriented zone to the Saunders vein system. The showing has also been termed the "Moosehorn Showing".

10.4 Saunders North Showing

This showing located on Swan 2 Mineral Claim comprises narrow quartz veins and veinlets with pyrite developed in intensely silicified and argillized latite lava flows of the Metsantan Member. The showing is an isolated mineralized occurrence developed along a ridge 1600 m northwest of Saunders Main Showing. More detailed mapping is required to determine the specific controls for the mineralization. It does not appear to be related to the Saunders vein system.

10.5 Saunders Northwest Showing

This showing is located 1 km due north of Saunders Main Vein, along a northeasterly-trending ridge west of Saunders Creek drainage. The occurrence comprises several narrow quartz-pyrite veins at az. 130° within a 50 m wide intensely pyritized sericitic and argillic altered zone alongside a basalt dyke that intrudes a latite flow unit of the Metsantan Member. A highly visible gossan is developed over the altered zone. A sample of vein material returned assay values of 1.42 g/t Au and 11.2 g/t Ag. Several grab samples from the gossan returned low values of gold and silver.

10.6 Som Showing

The Som showing is located at the north end of Swan 5 Mineral Claim. The 100 m to 150 m wide zone occurs as a steeply dipping gossan on an east facing slope overlooking the central branch of Saunders Creek (Figures 10 and 11). The gossan does not extend upslope to the ridge crest, and there is no visual evidence that it projects westward to the next drainage. The gossan is host to chalcopyrite and malachite occurring in fractures in porphyritic andesite flows of the Attycelly Member of the Toodoggone Formation. Chlorite, pyrite, epidote and clay alteration prevail over the width of the zone. Chip samples varying from 0.5 to 3.0 m wide from selected locations across the zone returned assays ranging from 0.10% Cu to over 1.0% Cu and 2.1 g/t to over 100 g/t Ag. Gold values were low. The mode of mineralization, alteration type and structural development are indicative of a porphyry style of occurrence.

10.7 Copper Breccia (Cu Bx) Showing

Prospectors with Stealth Minerals Ltd. were attracted to a train of malachite and azurite-stained boulders near the headwaters of the east tributary of Saunders creek. The site is about 300 m east of the Golden Neighbour 2 showing. Hand-trenching through gossaned talus uncovered mineralized angular boulders of fractured and brecciated andesite flows well mineralized with chalcopyrite, pyrite and quartz as disseminations and breccia fillings. Assays were returned up to 2.0% Cu, 0.08 g/t Au and 100 g/t Ag (Barrios and Kuran, 2006). Epidote, chlorite and clay are the main alteration minerals. Hand trenches encountered broken subcrop material consequently controls for mineralization are not yet confirmed.

10.8 David Price Showing

The David Price Showing is located close to the southern boundary of Swan 10 Mineral Claim. Exploration to date has identified four gossanous zones of brecciated quartz-sericite-pyrite altered porphyritic flow breccia of the Metsantan Member. Bluish siliceous breccias are developed as parts of the zones. Field work by a previous operator has outlined four zones, oriented at az. 010° to 025°, and spaced at 50 to 100 m over potential 100 m to 300 m strike lengths. Results from a series of blasted trenches over a short, 10 m strike length were generally low with gold values ranging from 0.01 g/t to 0.13 g/t and silver from 0.2 g/t to 6.3 g/t.

10.9 Golden Neighbour 1 Showing

The Golden Neighbour 1 Showing is located on the Swan 6 Mineral Claim. Mineralization at this prospect consists of quartz veins and stringers with associated chalcopyrite, sphalerite, pyrite and minor amounts of galena in silicified andesite flows of the Metsantan Member. The mineralization is close to the Saunders Fault along which the host rock has been argillically altered. In 1987 Lacana Explorations drilled five diamond drill holes with the objective of testing a weak VLF-EM conductor and a gold-silver soil geochemical anomaly to determine if the mineralized structures extended along strike and to depth (Assessment Report 15512). The results did not show elevated values in precious metals.

10.10 Golden Neighbour 2 Showing

This showing is at the headwaters of the eastern tributary of Saunders Creek, and located 300 m west of the Copper Breccia showing at the southeast corner of Swan 6 Mineral Claim. Two propylitic and argillic altered zones are developed in latite flows of the Metsantan Member. The main zone is up to 4.0 m wide and consists of quartz veinlets, quartz-carbonate stringers and discontinuous lenses with disseminated pyrite, minor amounts of chalcopyrite and some malachite stain. Four chip samples across the zone average 0.088 g/t Au and 15.5 g/t Ag. A second narrow zone with similar mineralization is developed downslope and 50 m northeast of the main zone. Chip samples over narrow widths averaged 0.048 g/t Au and 9.34 g/t Ag.

10.11 Camp Showing

The Camp Showing is on Swan 6 Mineral Claim about 1200 m due north of the Golden Neighbour 1 Showing. Two separate mineralized outcroppings occur 200 m apart. The first is a highly sheared and hematized porphyritic latite flow unit of the Metsantan Member. Malachite stains fractures but no sulphides or vein and/or veinlet type mineralization is reported. The second showing consists of disseminated pyrite in a propylitic altered porphyritic latite flow unit of the Metsantan Member. There is insufficient geologic information to determine the dominant mode of occurrence and possible extent of any potential mineralization.

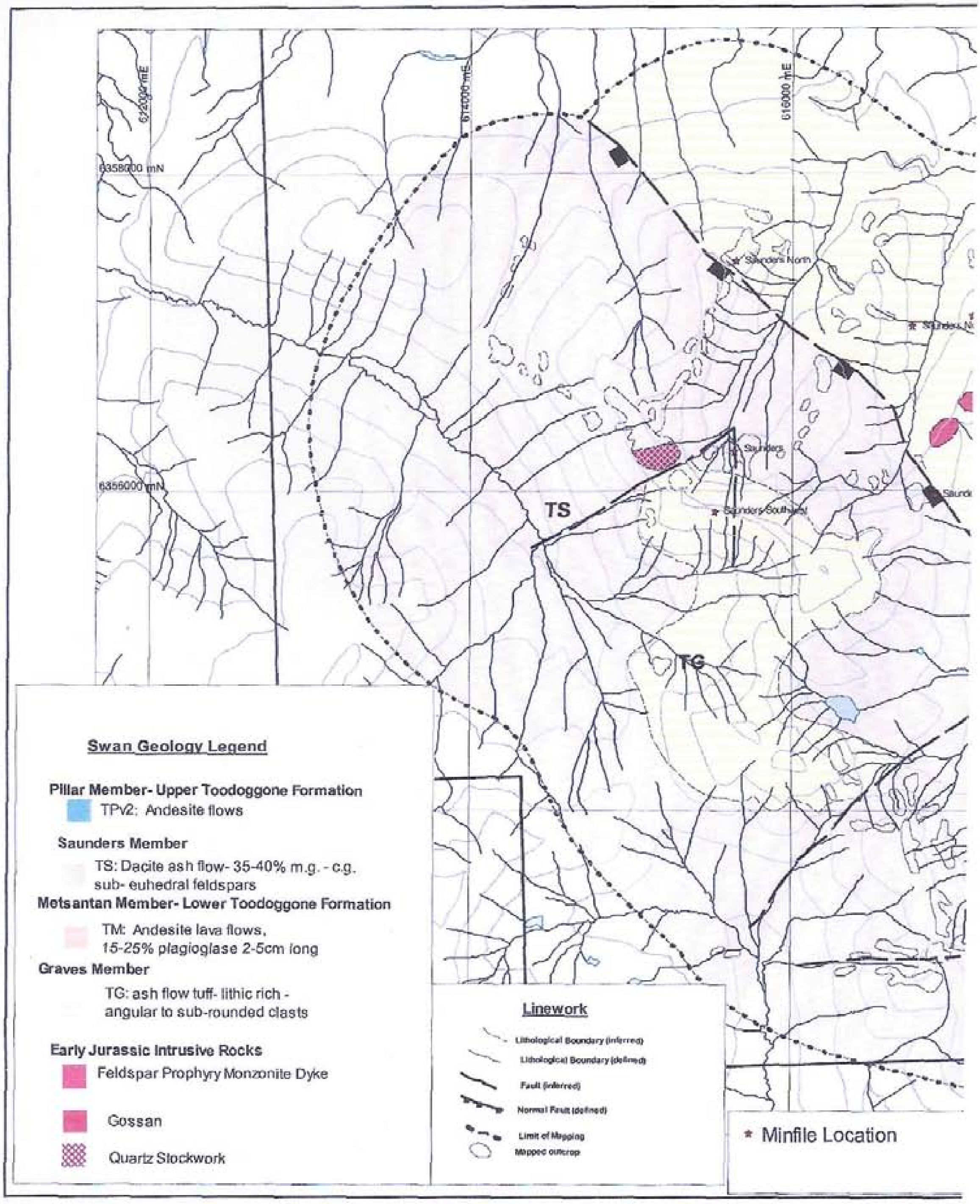
10.12 Preliminary Evaluation of Mineral Showings

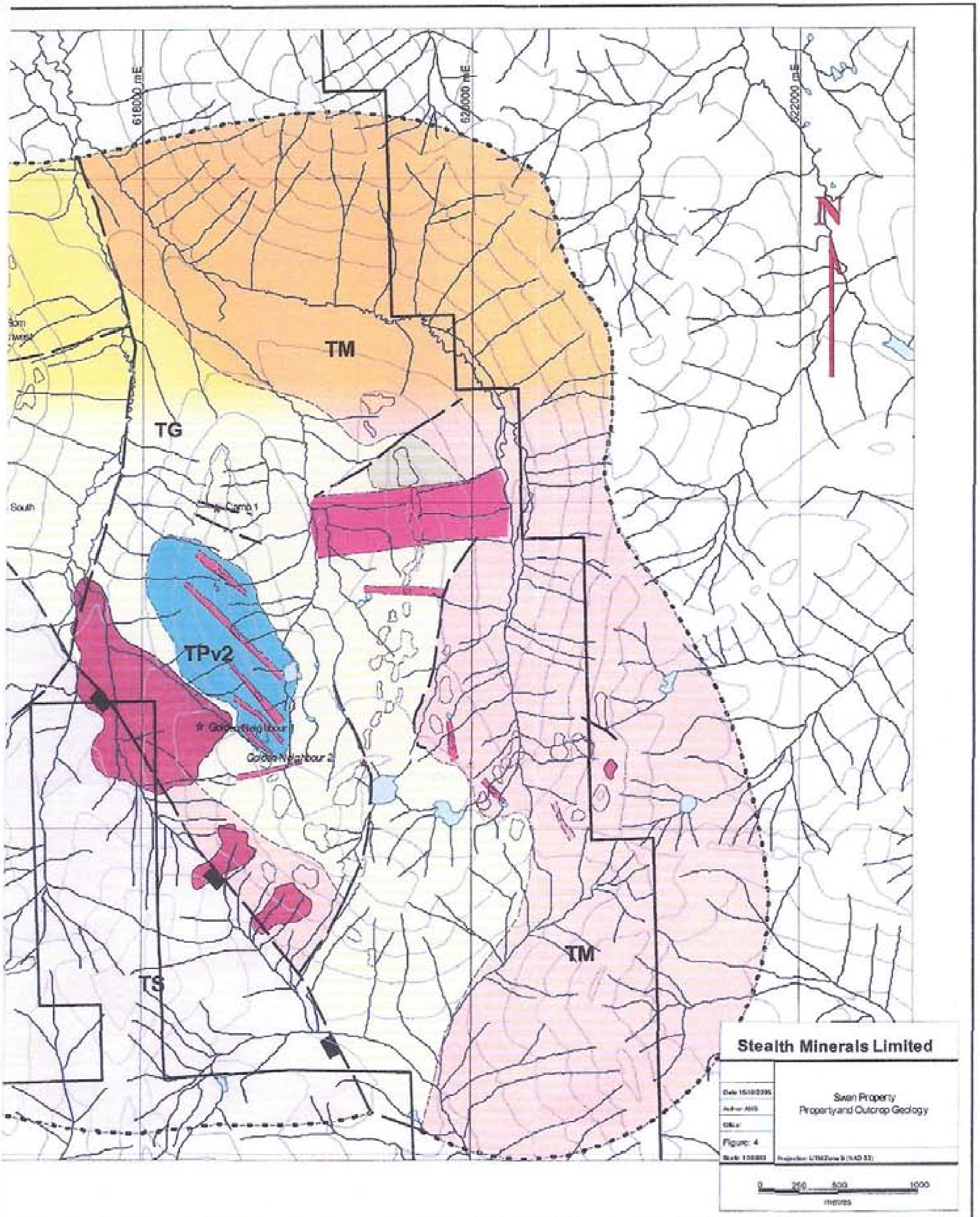
All of the occurrences are early stage exploration projects involving a first phase of geological mapping, sampling, geochemical surveying and hand trenching. Limited data preclude interpretation of extent of mineralization and anomalies. Only Golden Neighbour 1 has been explored with widely spaced drilling.

The clustering of vein-type showings on the Saunders Vein System with related mineralogy and structural control indicates favourable potential for extensions to known veins and for additional subparallel vein zones.

The type of mineralization at Copper Breccia and David Price showings support the potential for larger mineralized zones of the porphyry copper type.

The relationship of felsic dykes and small stocks to mineralized showings in the eastern part of the Swan claims also supports the potential for porphyry-type mineralization.


6358000 mN
6356000 mN
TS
TG
Saunders North
Saunders
Swan Geology Legend
Pillar Member- Upper Toodoggone Formation
TPv2: Andesite flows
Saunders Member
TS: Dacite ash flow- 35-40% m.g. - c.g. sub- euhedral feldspars
Metsantan Member- Lower Toodoggone Formation
TM: Andesite lava flows, 15-25% plagioglase 2-5cm long
Graves Member
TG: ash flow tuff- lithic rich - angular to sub-rounded clasts
Early Jurassic Intrusive Rocks
Feldspar Prophyry Monzonite Dyke
Gossan
Quartz Stockwork
Linework
Lithological Boundary (inferred)
Lithological Boundary (defined)
Fault (inferred)
Normal Fault (defined)
Limit of Mapping
Mapped outcrop
Minfile Location



618000 mE
522000 mE
N
TM
TG
South
Camp 1
TPv2
Golden Neighbour
Golden Neighbour 2
TM
TS
Stealth Minerals Limited
Swan Property
Property and Outcrop Geology
Figure: 4
0
250
500
1000
metres

11.0 Golden Dawn 2007 Exploration Program

11.1 Saunders Main Showing

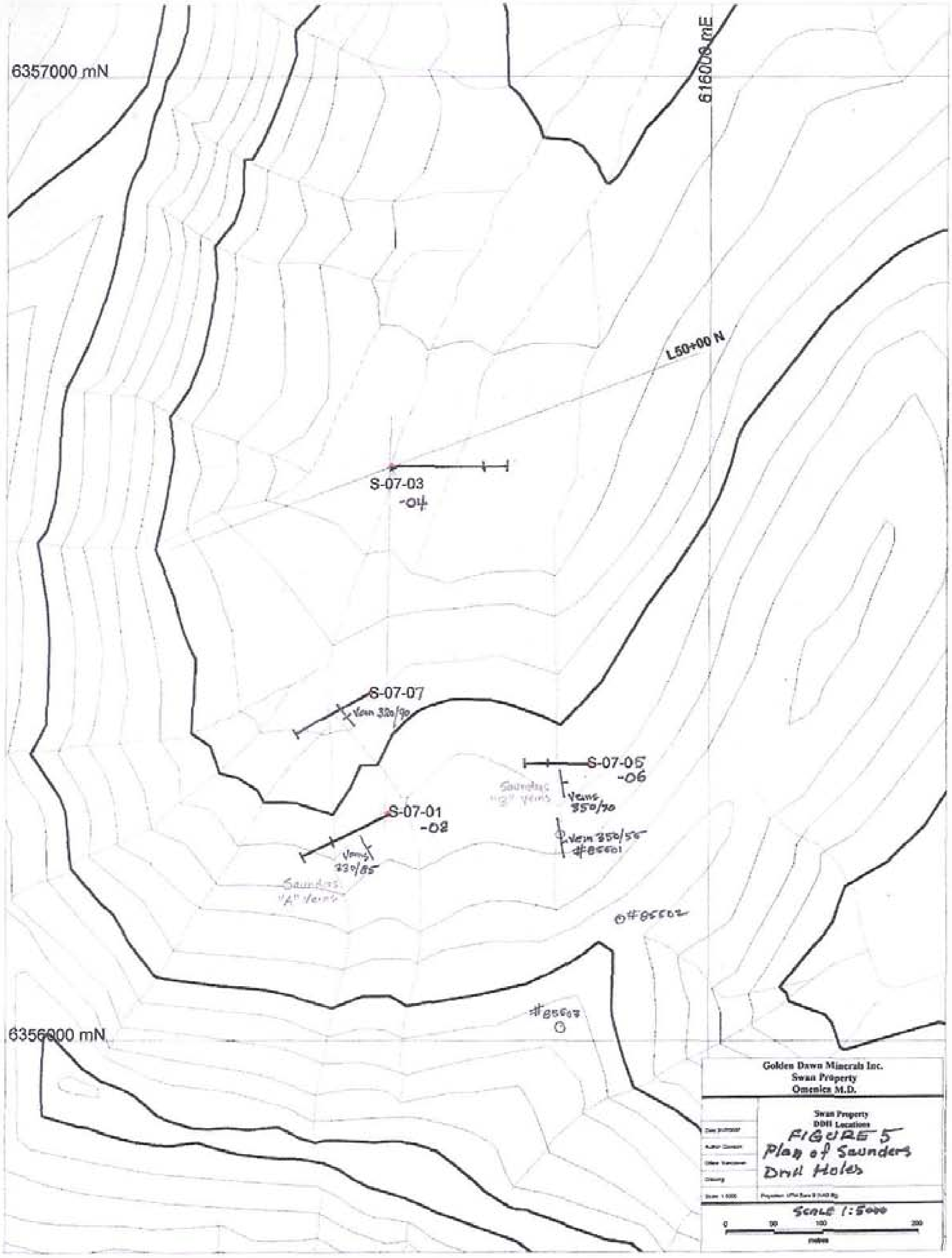
The showing, also called "Saunders A", is a set of vuggy, crustiform and laminated quartz-chalcedony veins ranging from 1cm to 10 cm wide, and comprising a sheeted vein and stockwork zone about 5m wide, located in the headwaters of the westernmost tributary of Saunders Creek (Figure 5). Vein minerals include pyrite, chalcopyrite, galena, and sphalerite in a gangue of quartz, chalcedony and barite. Secondary minerals include limonite, malachite and azurite. Host Saunders Member dacite ash-flow tuff is silicified, brecciated and contains disseminated pyrite. Vein attitude is 330°-335°/80°-85°. A 3.0 m chip sample (# 148273) taken here July 16, 2004 by the writer yielded the following assays:
Au: 23.40 g/t; Ag: 518 g/t (Fire assay, Acme Labs, Vancouver).

Drill holes S-07-01 and S-07-02 were located about 25 m NE of the sample site, at GPS 615,667m E; 6,356,285m and collar elevation is 1837 m ASL, and angled below this outcropping at azimuth 250° and dips -50° and -65°, respectively. Drill section is given in Figure 6. Hole S-07-01 was collared August 14, 2007 and hole S-07-02 was completed August 23, 2007 at depths of 150 m each. The drill holes intersected quartz veins vertically below the Saunders "A" showing between 0.7m and 1.0m wide that ranged from 1 to 12 g/t Ag and 0.1 to 0.2 g/t Au (sample #83856).

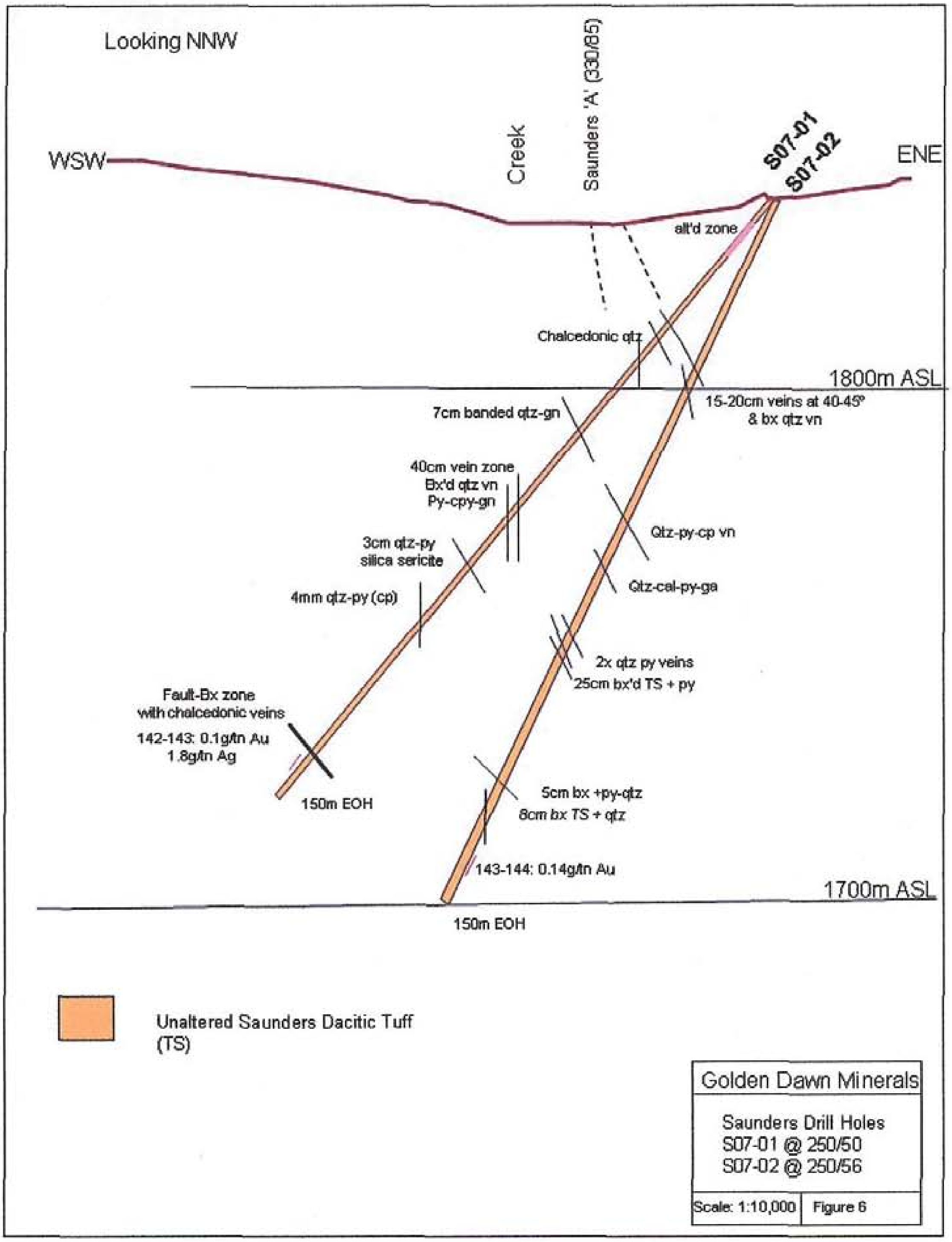
Drill hole S-07-07 tested this mineralized outcropping, with the collar located 40m NE of the showing at elevation 1810m ASL and GPS 165,649m E and 6,356,361m N, and the drill angled at -50° at azimuth 245°, drilled to a depth of 140m. Drill section is given in Figure 7. The core intersected a mylonitic quartz-pyrite vein 42m vertically below the surface showing that assayed 1020 g/t Ag and 19.1 g/t Au over 0.3m (sample #84041). Drill logs for holes S-07-01 to S-07-07 are given in Appendix III. Drill core assay sheets are given in Appendix V.

11.2 Saunders "B" Showing

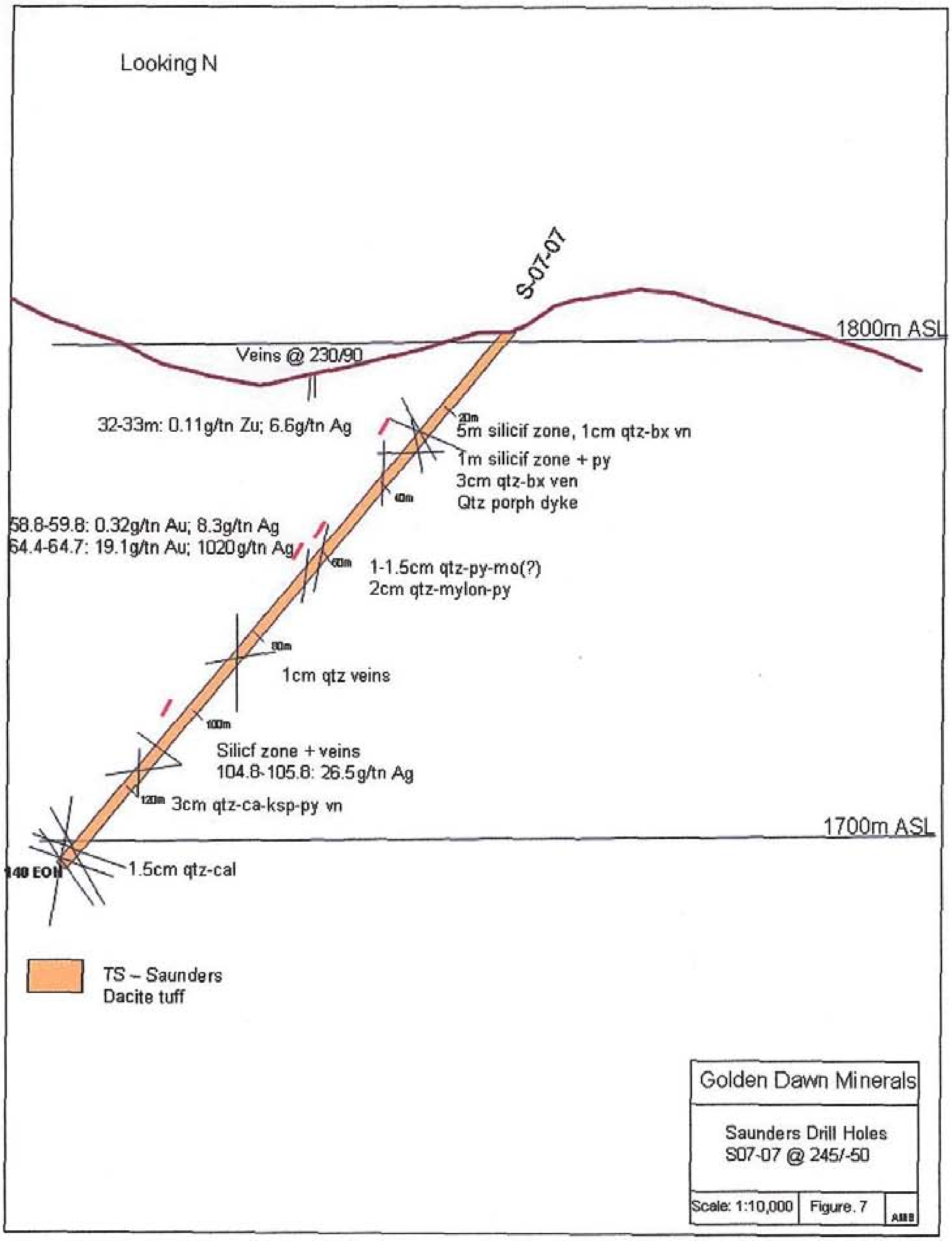
An I.P and resistivity survey run by Geotronics Surveys Ltd. in 2004 (Mark, 2004) explored the potential northward extension of the Saunders vein zone with a grid located in the valley of Saunders Creek comprised of four lines at azimuth 070° and spaced at 50 m. Six linear sub-parallel N-S chargeability



6357000 mN
616000 mE
L50+00 N
S-07-03
-04
S-07-07
Vein 320/90
S-07-05
-06
Veins 350/70
Vein 350/55
#85501
S-07-01
-02
Veins 330/85
#85502
#85503
6356000 mN
Golden Dawn Minerals Inc.
Swan Property
Omenica M.D.
Swan Property
DDH Locations
FIGURE 5
Plan of Saunders
Drill Holes
SCALE 1:5000
0
50
100
200
metres



Looking NNW
Saunders 'A' (330/85)
Creek
S07-01
S07-02
WSW
ENE
alt'd zone
Chalcedonic qtz
1800m ASL
7cm banded qtz-gn
15-20cm veins at 40-45°
& bx qtz vn
40cm vein zone
Bx'd qtz vn
Py-cpy-gn
Qtz-py-cp vn
3cm qtz-py
silica sericite
Qtz-cal-py-ga
4mm qtz-py (cp)
2x qtz py veins
25cm bx'd TS + py
Fault-Bx zone
with chalcedonic veins
142-143: 0.1g/tn Au
1.8g/tn Ag
150m EOH
5cm bx +py-qtz
8cm bx TS + qtz
143-144: 0.14g/tn Au
1700m ASL
150m EOH
Unaltered Saunders Dacitic Tuff
(TS)
Golden Dawn Minerals
Saunders Drill Holes
S07-01 @ 250/50
S07-02 @ 250/56
Scale: 1:10,000
Figure 6



Looking N
S-07-07
1800m ASL
Veins @ 230/90
32-33m: 0.11g/tn Zu; 6.6g/tn Ag
20m
5m silicif zone, 1cm qtz-bx vn
1m silicif zone + py
3cm qtz-bx ven
Qtz porph dyke
40m
58.8-59.8: 0.32g/tn Au; 8.3g/tn Ag
64.4-64.7: 19.1g/tn Au; 1020g/tn Ag
60m
1-1.5cm qtz-py-mo(?)
2cm qtz-mylon-py
80m
1cm qtz veins
100m
Silicf zone + veins
104.8-105.8: 26.5g/tn Ag
120m
3cm qtz-ca-ksp-py vn
1700m ASL
140 EOH
1.5cm qtz-cal
TS – Saunders
Dacite tuff
Golden Dawn Minerals
Saunders Drill Holes
S07-07 @ 245/-50
Scale: 1:10,000
Figure. 7

anomalies were interpreted by geophysicist D. Mark (ibid.) to be probable extensions of the Saunders "B" veins (Figure 12). Drill holes S-07-03 and S-07-04 were located to intersect these anomalies at a site 350m NNW of the outcropping of Saunders "B" vein (Figures 5 and 8).The two drill holes were collared at elevation 1740m ASL at GPS 615,670m E and 6,356,596m N and drilled at dips -45° and -60° at azimuth 090°, to depths of 173m (S-07-3) and 133m (S-07-04), respectively. Drill sections are given in Figure 8 .

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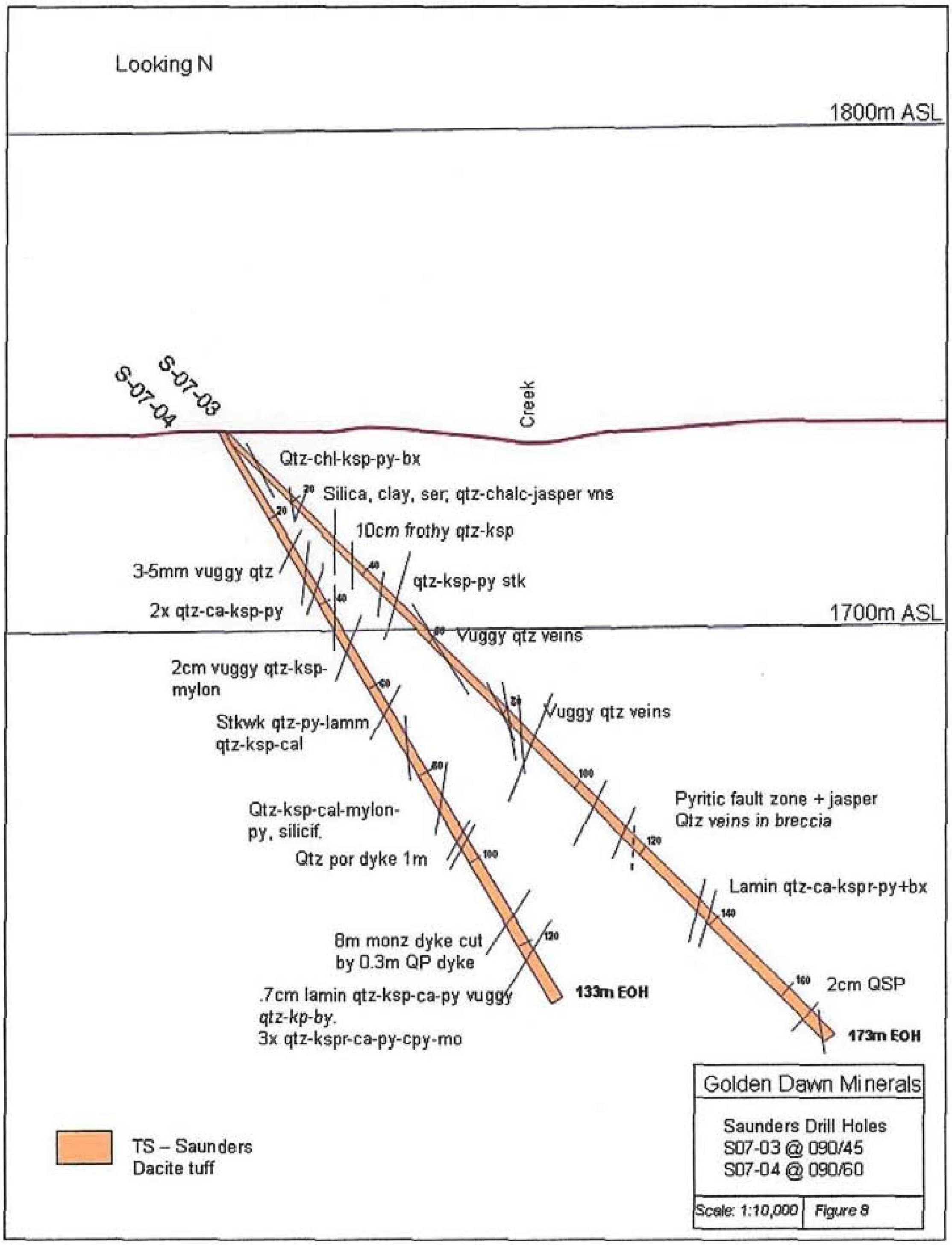
Drill cores intersected quartz veins with abundant pyrite, but only traces of chalcopyrite and sphalerite. Fracture and fault zones commonly were mineralized with pyrite. Felsic porphyry dykes ranging from 1 to 6 m wide were unmineralized. No significantly elevated assays in base or precious metal elements were detected. The chargeability highs are interpreted to reflect pyrite as vein and shear zone fillings common in the two holes.

A drill site was located on Saunders "B" vein 200m due east of the outcropping of Saunders "A" vein (Figure 5)."B" vein outcrops as a 1m-wide zone, of attitude 350/70, of narrow quartz veins with vuggy and crustiform texture containing pyrite, minor chalcopyrite and galena. Freeman Smith (2005) reported chip sample analyses across two veins: Au: 1.39 g/t and Ag : 127 g/t; and Au: 0.95 g/t and Ag: 0.03 g/t. The vein system crops out 50m to the south. The drill site is located about 25m east of the vein, at elevation 1822m ASL and GPS 615,875m E and 6,356,287m N. Drill holes S-07-05 and S-07-06 were drilled at azimuth 270°, dips 150° and -65°, to depths of 102m and 66m, respectively.

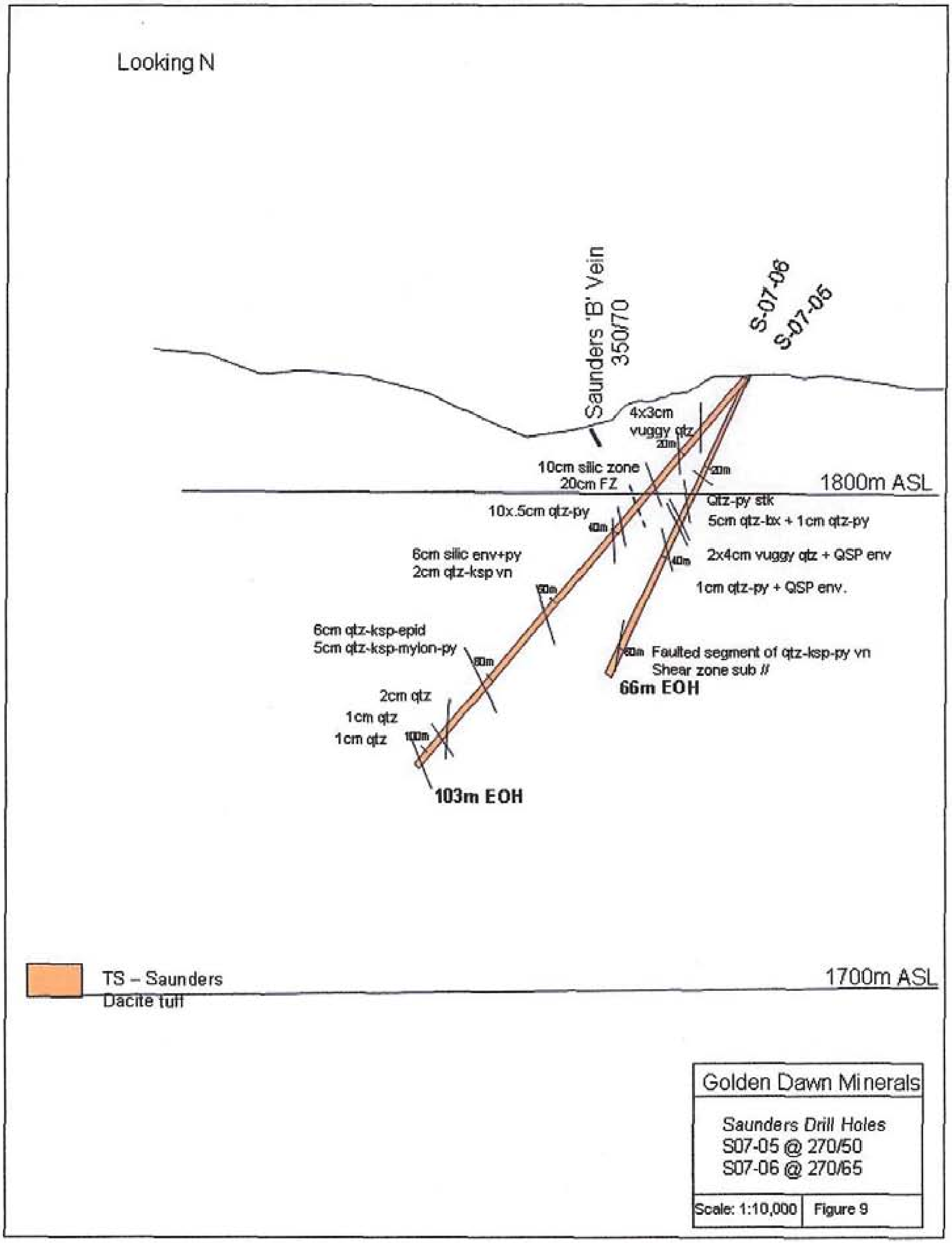
Drill section is given in Figure 9. Core assay intervals in S-07-05 of quartz veins and silicified zones between 20m and 42m on the projected down-dip extension of "B" vein did not reveal significantly elevated values in precious or base metal elements. Similar results were obtained in drill hole S-07-06.

11.3 SOM Mineral Showings

A geological description of the Som showings is given in section 10.6 above. From the Golden Dawn 2006 exploration program, Som grid soil sampling and rock sample locations are given in Figure 10 and the copper/silver/gold geochemical results are given in Figure 11 (Barrios and Kuran, 2006). One high grade sample taken over a 0.5 m length was re-assayed with the results of 9.49% Cu and 220 g/t Ag (Kimura, 2007).



Looking N
1800m ASL
1700m ASL
S-07-03
S-07-04
Creek
Qtz-chl-ksp-py-bx
Silica, clay, ser, qtz-chalc-jasper vns
10cm frothy qtz-ksp
3-5mm vuggy qtz
qtz-ksp-py stk
2x qtz-ca-ksp-py
Vuggy qtz veins
2cm vuggy qtz-ksp-mylon
Vuggy qtz veins
Stkwk qtz-py-lamm qtz-ksp-cal
Qtz-ksp-cal-mylon-py, silicif.
Pyritic fault zone + jasper
Qtz veins in breccia
Qtz por dyke 1m
Lamin qtz-ca-kspr-py+bx
8m monz dyke cut by 0.3m QP dyke
.7cm lamin qtz-ksp-ca-py vuggy qtz-kp-by.
3x qtz-kspr-ca-py-cpy-mo
133m EOH
2cm QSP
173m EOH
TS – Saunders Dacite tuff
Golden Dawn Minerals
Saunders Drill Holes
S07-03 @ 090/45
S07-04 @ 090/60
Scale: 1:10,000
Figure 8

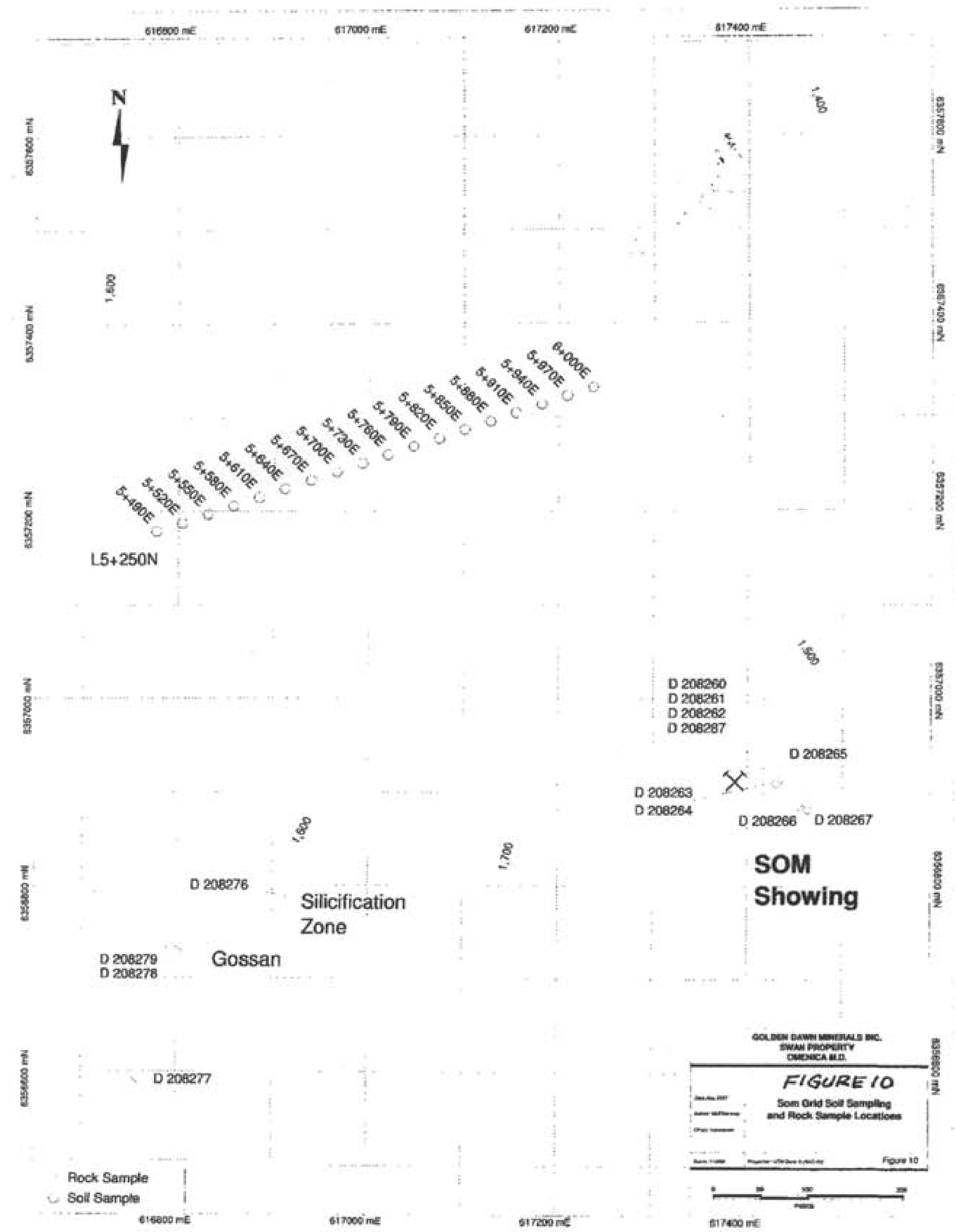

Looking N
Saunders 'B' Vein
350/70
S-07-06
S-07-05
4x3cm
vuggy qtz
20m
10cm silic zone
20cm FZ
1800m ASL
Qtz-py stk
5cm qtz-bx + 1cm qtz-py
10x.5cm qtz-py
40m
2x4cm vuggy qtz + QSP env
6cm silic env+py
2cm qtz-ksp vn
60m
1cm qtz-py + QSP env.
6cm qtz-ksp-epid
5cm qtz-ksp-mylon-py
80m
Faulted segment of qtz-ksp-py vn
Shear zone sub //
66m EOH
2cm qtz
1cm qtz
1cm qtz
100m
103m EOH
TS – Saunders
Dacite tuff
1700m ASL
Golden Dawn Minerals
Saunders Drill Holes
S07-05 @ 270/50
S07-06 @ 270/65
Scale: 1:10,000
Figure 9

Prospecting around the Som Showing identified two other areas of alteration and mineralization. A gossan zone in the eastern bank of a western tributary of Saunders Creek located 600 m southwest of the Som showing revealed a pervasively sericite-pyrite altered zone up to 40 m wide with abundant associated pyrite and chalcedonic quartz. Three grab samples showed generally low Cu and Au, but minor Ag and Zn content (Kimura, ibid). Another gossan 120 m up-slope from the aforementioned gossan in the creek is 3.0 by 5.0 m in size, and is hosted by brecciated and silicified dacite crystal tuff with disseminated pyrite. A chip sample of this gossan returned low values in copper, gold and silver.

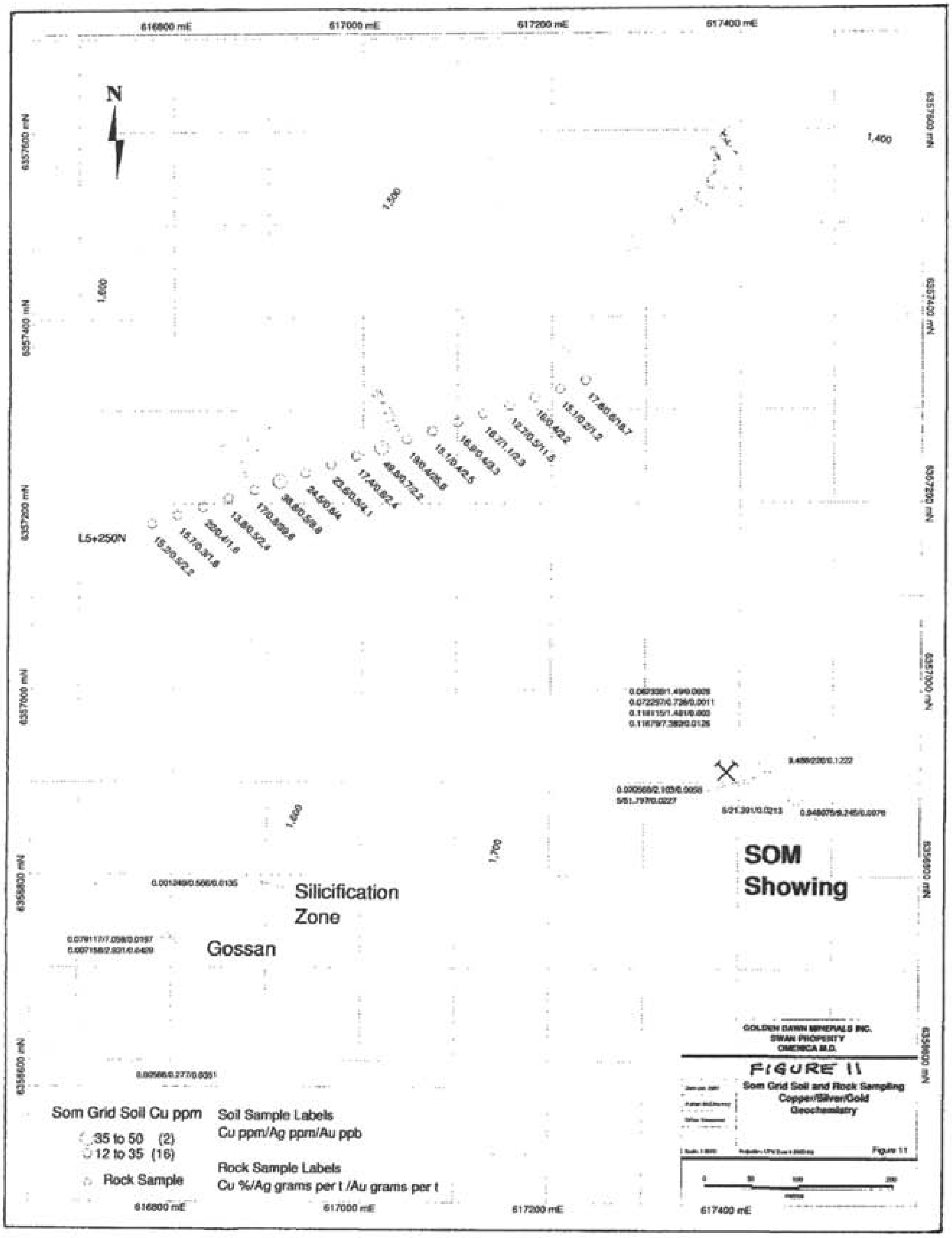
11.4 Som and Saunders 2004 Geophysical Surveys

Saunders Grid: Four grid lines were run at azimuth 070° for a total length of 1590 m. The dipole length and reading interval where the target was epithermal veins was 15 m read up to 12 levels. Six subparallel coincident I.P. chargeability high and resistivity low anomalies were encountered on all four grid lines (Figure 12). The anomalies were interpreted by Mark (2004) to represent steeply westward-dipping sulphide bodies, probably as extensions of the Saunders "B" veins. Resistivity and I.P. pseuodosections for lines 50+00N, 50+50N, 51+00N and 51+50N are given in Appendix I. Diamond drill holes S-07-03 and S-07-04 were collared on grid line 50+00N and drilled on azimuth 090° at dips -45° (S-07-03) and -60° (S-07-04) to intersect these anomalies.

Som Grid: Two grid lines were run at azimuth 070° for a total survey length of 4110 m. The porphyry target required a dipole length of 30 m read up to 12 levels. The large line separation rendered anomalies difficult to connect or follow. Anomalies identified by Mark (ibid.) are shown in Figure 12. Anomaly "A" is a resistivity high on Line 48+50N immediately adjacent to the Som showing. It correlates with a combined chargeability high-resistivity high 400 m to the northwest on line 52+50N. Magnetic response is quiet, and interpreted to be due to an intrusion. Anomalous zone "B" consists of a series of I.P. chargeability highs arrayed along a tributary creek to Saunders Creek, in the western part of the grid. It correlates to a moderate resistivity high, a magnetic high and a self-potential anomaly. A grab sample on line 4+850N at 5+340E is anomalous in Pb, Zn, Ag and Cu. A soil sample near the creek on line 5+250N is anomalous in Cu, Pb, Zn, Ag and As. A resistivity low correlates with a chargeability high at 5+480E on line 4+850N, which is an area of silicification and sulphide mineralization.



616800 mE
617000 mE
617200 mE
617400 mE
N
6357600 mN
6357400 mN
6357200 mN
6357000 mN
6356800 mN
6356600 mN
1,400
1,600
1,500
1,700
5+490E
5+520E
5+550E
5+580E
5+610E
5+640E
5+670E
5+700E
5+730E
5+760E
5+790E
5+820E
5+850E
5+880E
5+910E
5+940E
5+970E
6+000E
L5+250N
D 208260
D 208261
D 208262
D 208287
D 208265
D 208263
D 208264
D 208266
D 208267
SOM
Showing
D 208276
Silicification
Zone
D 208279
D 208278
Gossan
D 208277
Rock Sample
Soil Sample
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
OMENICA M.D.
FIGURE 10
Som Grid Soil Sampling
and Rock Sample Locations
Figure 10



616800 mE
617000 mE
617200 mE
617400 mE
N
6357600 mN
6357400 mN
6357200 mN
6357000 mN
6356800 mN
6356600 mN
L5+250N
Silicification
Zone
Gossan
SOM
Showing
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
OMENICA M.D.
FIGURE 11
Som Grid Soil and Rock Sampling
Copper/Silver/Gold
Geochemistry
Figure 11
Som Grid Soil Cu ppm
35 to 50 (2)
12 to 35 (16)
Rock Sample
Soil Sample Labels
Cu ppm/Ag ppm/Au ppb
Rock Sample Labels
Cu %/Ag grams per t /Au grams per t

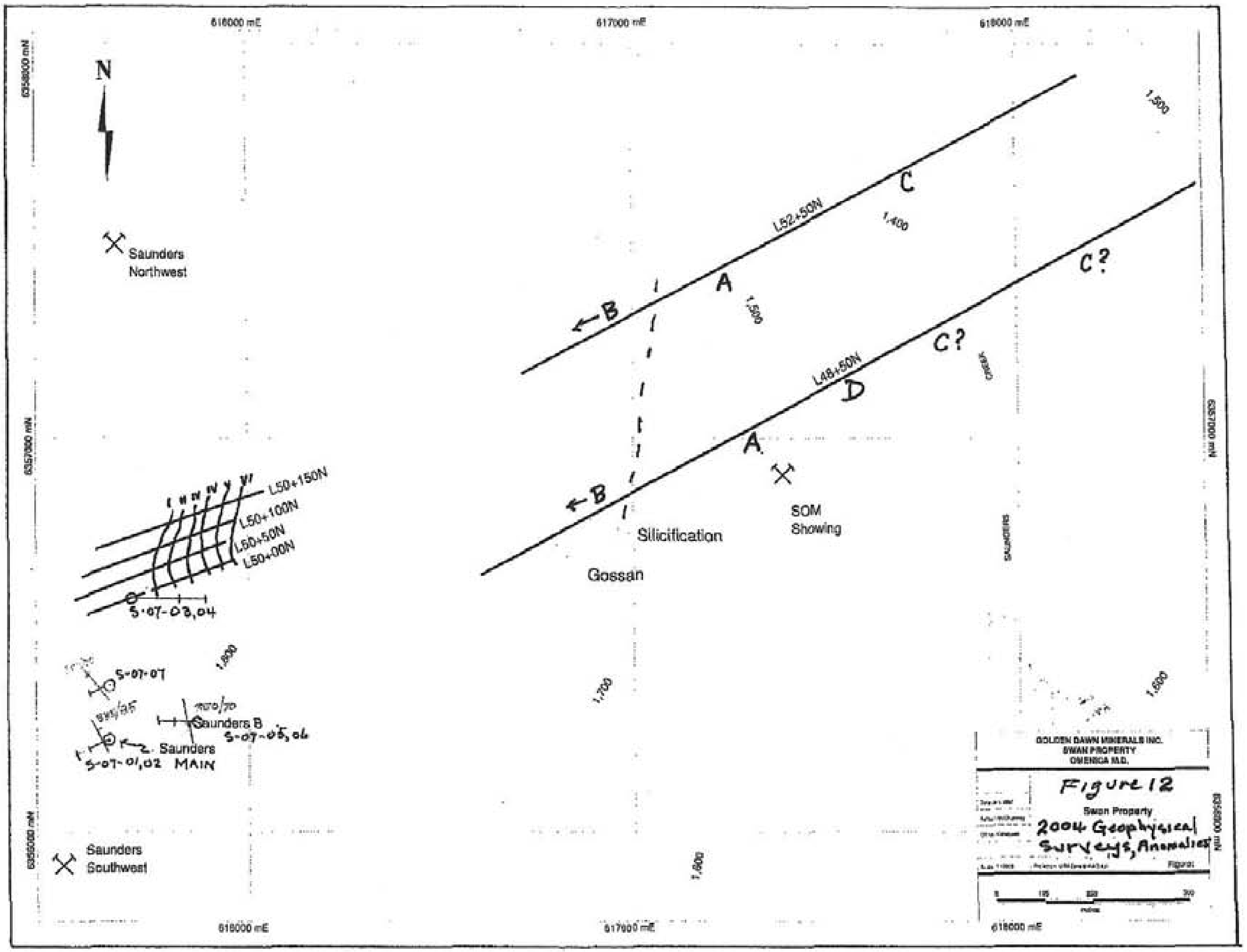
I.P. Anomaly “C” is a dome-like feature occurring at depth on line 5+250N, centred at about 6+600E. Resistivity and magnetic response suggests sulphides within an intrusive. Anomaly “C” probably extends south to line 4+850N, and correlates with one of two similar anomalies at 6+900E and 7+290E. I.P. Anomaly “D” occurs on line 4+850N immediately west of a north-south structure interpreted by Mark (ibid) as Saunders Fault, where it correlates with the edge of a resistivity high, as well as the low representing this fault, which probably is a north-south splay from the NNW-striking Saunders Fault (Figure 4). East of the NS fault magnetic and resistivity survey results suggest an intrusive rock occurs.

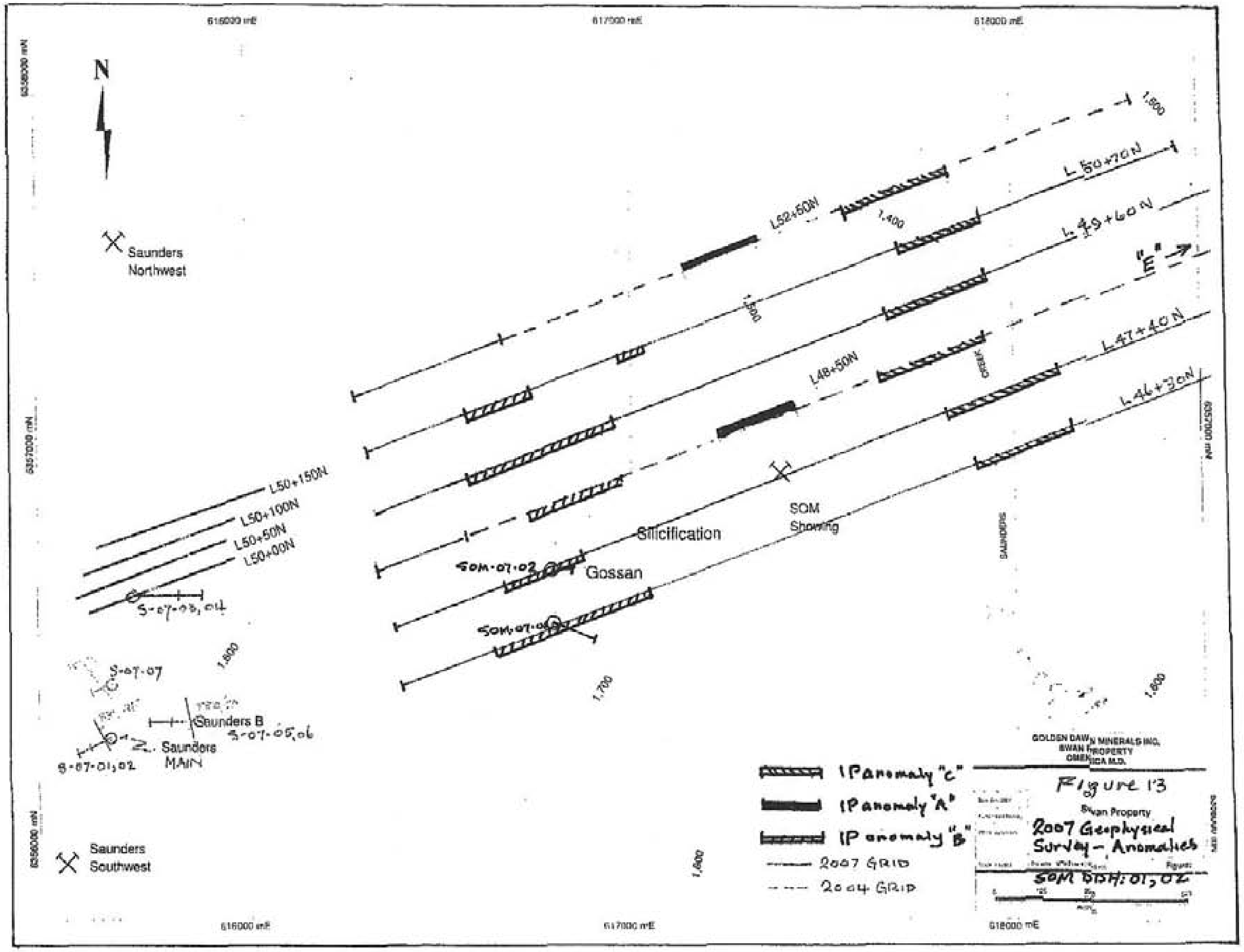
11.5 2007 Som Geophysical Survey

Following the recommendation of D. Mark (2004) the grid was expanded during the 2007 exploration program to provide better coverage of detected anomalies. Four new lines were run to fill-in and extend coverage to the south, i.e. lines 5070N, 4960N, 4740N and 4630N. Line 5250N was extended 350 m SW, and Line 4850N was extended 250 m SW. New lines were an average length of 2.3 km. Additions to the Som grid totaled 9.90 line-km. The expanded grid, along with anomalies, is given in Figure 13.

Anomalies “A” to “D” as defined in 2004 were confirmed and extended in strike length in the 2007 survey, from 400 m and 500m for “A” and “B” to 620 m crossing all six survey lines in Mark (2008). Anomaly “C” in Saunders Creek valley was extended from 400 m to 620 m long, crossing all six lines. Anomaly “D” occurs at the base of the east-facing slope on lines 4630N to 5070N and possibly to 5250N, for a minimum strike length of 440 m. It may correspond to Anomaly “A” on Lines 52+50N and 48+50N. Anomaly “E” occurs only on line 4850N, centred at 7320E, and is about 240 m wide and has a depth to the top of about 50 m. It plots about 150 m east of the end of Line 48+50N on Figure 13.

The resistivity and magnetic surveys show a number of correlating magnetic highs that are indicative of intrusives. The largest one is 500 to 650 m wide in the Saunders Creek valley and within which anomaly “C” occurs. The resistivity survey mapped the contact between the volcanic Attycelly Member and Saunders Member of the Toodoggone Formation, within the western parts of both survey lines. The resistivity also mapped the NS splay of the Saunders Fault within the centre of the two survey lines at the base of the east-facing slope within Saunders Creek valley. The I.P., resistivity and


616000 mE
617000 mE
618000 mE
N
Saunders Northwest
L52+50N
C
1,400
1,500
A
←B
C?
L48+50N
D
A
←B
SOM Showing
Silicification
Gossan
L50+150N
L50+100N
L50+50N
L50+00N
S-07-03,04
S-07-07
Saunders B
S-07-05,06
Saunders MAIN
S-07-01,02
1,800
1,700
1,600
Saunders Southwest
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
OMENICA M.D.
Figure 12
Swan Property
2004 Geophysical Surveys, Anomalies


616000 mE
617000 mE
618000 mE
N
Saunders Northwest
L52+50N
L50+70N
L49+60N
"E"
L48+50N
L47+40N
L46+30N
L50+150N
L50+100N
L50+50N
L50+00N
Silicification
SOM Showing
Gossan
SOM-07-02
Saunders B
Saunders MAIN
Saunders Southwest
IP anomaly "C"
IP anomaly "A"
IP anomaly "B"
2007 GRID
2004 GRID
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
OMENICA M.D.
Figure 13
Swan Property
2007 Geophysical Survey - Anomalies
SOM DDH: 01, 02

magnetic surveys also indicate that this fault could be a possible contact between the Attycelly Member to the west and an intrusive to the east.

11.6 Interpretation of Geophysical Surveys and Siting Som Diamond Drill Holes

IP and resistivity pseudosections and S.P. profiles for lines 46+30N, 47+40N, 48+50N, 49+60N and 50+70N and resistivity Geotomo inversion sections for lines 46+30N, 47+40N and 50+70N are given in Appendix II

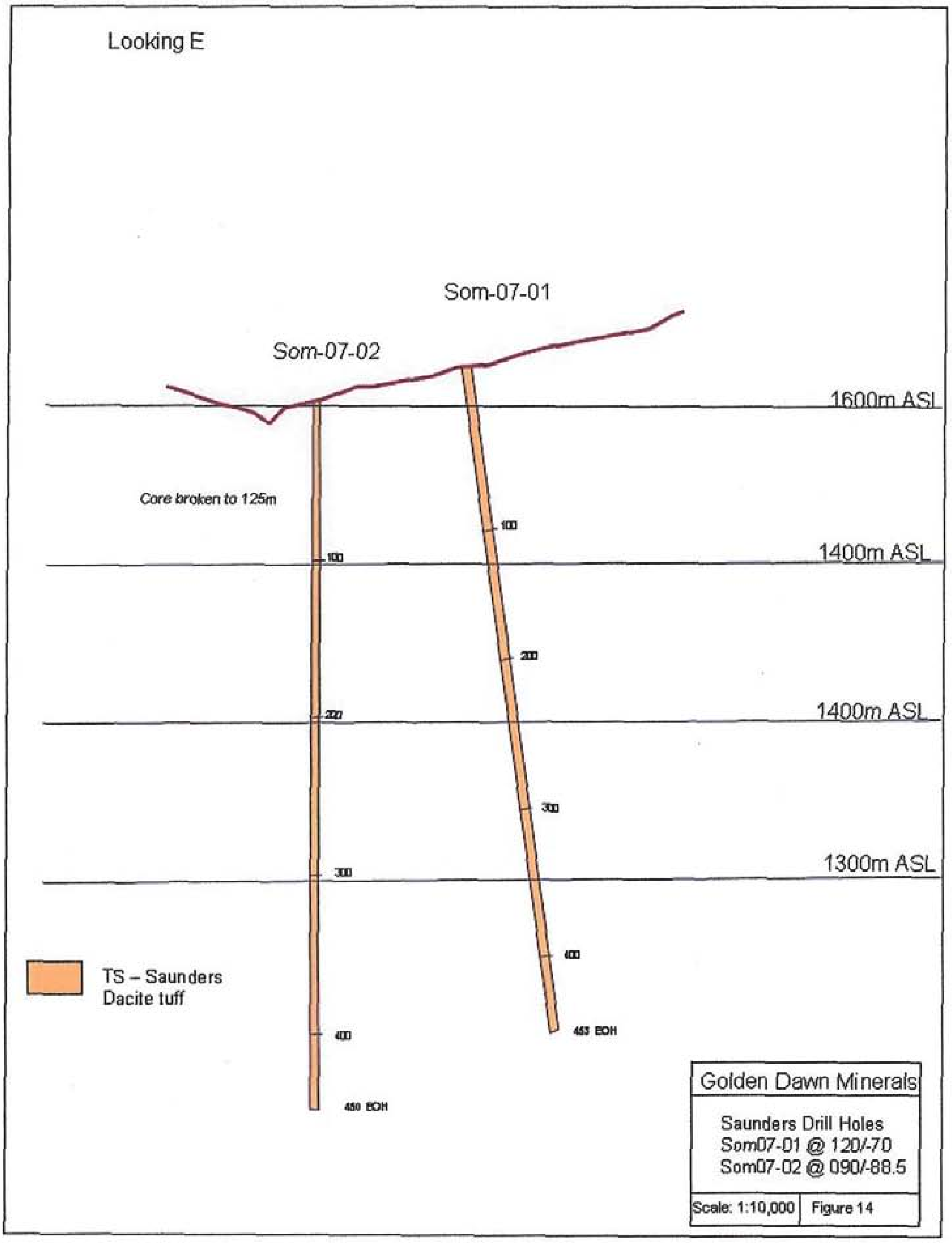
Anomalous zone "B" (Figure 13) is one of the largest anomalies, with several chargeability highs above 100 ms, which are interpreted as either a single large zone of disseminated sulphides or as several discrete sulphide bodies.

On L48+50N, a rock sample taken in a silicified zone in dacite tuff within Anomaly "B" (D208276) is anomalous in Cu (790 ppm), Ag 7.06 g/t) and Au (0.02 g/t) (Figures 10 and 11). It correlates with a moderate resistivity high, a magnetic high and a self potential anomaly. The interpretation is sulphides occurring within an intrusive. A soil sample 5+640E (Figure 10) taken on L52+50N within Anomaly "B" near a creek yielded 38.8 ppm Cu, 0.5 g/t Ag and 8.8 ppb Au.

On L48+50N a strong resistivity low corresponds with an IP high and correlates directly with an area of silicification and sulphide mineralization. The IP high is interpreted as reflecting the sulphides, whereas the resistivity low may reflect alteration and/or fracturing associated with the sulphide mineralization.

The intensity of the I.P. chargeability anomalies in Anomalous Zone "B", their correlation with other geophysical features, the presence of surface mineralization and alteration, and anomalous rock and soil geochemical samples combined to render this anomalous zone as highest priority for drilling.

Diamond drill hole Som-07-01 was located on the east bank of the creek near the southwest end of L46+30N (Figure 13). The drill hole is located at station -540E on L46+30N at GPS 616,789E and 6,356,511N, and collar elevation 1627 m ASL. The hole was drilled at dip-70° at azimuth 120° to intersect the centre of the chargeability anomaly. A plan view of drill hole


Looking E
Som-07-01
Som-07-02
1600m ASL
1400m ASL
1400m ASL
1300m ASL
Core broken to 125m
100
200
300
400
450 EOH
453 EOH
TS – Saunders Dacite tuff
Golden Dawn Minerals
Saunders Drill Holes
Som07-01 @ 120/-70
Som07-02 @ 090/-88.5
Scale: 1:10,000
Figure 14

Som-07-01 is shown on Figure 13. The hole was collared on September 13, 2007, drilled to 453.15 m, and terminated on September 23, 2007. A section of DDH Som-07-01, together with Som-07-02, viewed to the east, is given in Figure 14.

Upon completion of Som-07-01, Som-07-02 was collared on the next line to the northwest (L47+40N) at station -610, at GPS 616,787E and 6,356,605N. Collar elevation is 1608 m ASL. The hole was drilled slightly off vertical at dip -88.5° at azimuth 090°, to intersect the centre of the same anomaly targeted in DDH Som-07-01 (Figure 14).

11.7 Results of Drill Holes Som-07-01 and Som-07-02

Drill logs from holes Som-07-01 and -02 are given in Appendix IV. Throughout their lengths both holes intersected Toodoggone Saunders Member dacitic crystal-lithic tuff. Four andesite porphyry dykes that ranged from 1.5 to 10 m thick were intersected in Som-02 between 146 m and 198 m depth. Core recovery in hole Som-01 was 98.6%. Core in hole Som-02 was broken from 6.0 to 120 m depth. Average core recovery over that interval was 44.8%, and for the entire hole, 84.0%.

Drill core was sampled in one-metre runs where any evidence of mineralization or alteration was noted. Sampling method is given below in Item 12. Pyrite as vein and fracture-fillings and disseminations was common, sphalerite and galena were less common, and chalcopyrite and molybdenite were rare. Alteration assemblages typical of porphyry copper deposits were common, e.g. K-feldspar (potassic) and quartz-sericite-pyrite (phyllic) envelopes and selvedges on quartz-calcite +/- pyrite veins. Argillic (clay) and propylitic (epidote-chlorite) assemblages also were common, along with silicification and late-stage anhydrite (gypsum) and calcite. Alteration was rarely pervasive over widths greater than a few metres, and was largely restricted to zones of faulting, fracturing and brecciation.

Assays of drill core samples showed generally low values in Cu and Mo. Only five samples assayed >100 ppm Cu and five assayed >20 ppm Mo. 29 lead and 47 zinc assay intervals >100 ppm were recorded in the two holes, indicating that mineralization in lead and zinc was more abundant than in copper, but no elevated values in Cu, Mo, Pb nor Zn were recorded over a significant interval in drill core. Cu, Pb and Zn assays >100 ppm are plotted on the drill sections in Figure 14. Silver assays were generally low:

only seven assays were recorded >1 ppm, the highest being 2.1 ppm. Silver showed a moderate correlation with lead and zinc. Gold assays were almost all at or below the lower limit of detection (0.03g/t). Drill core assay sheets are given in Appendix V.

12. Sampling Method and Approach

Several types of samples were collected in the course of the 2007 exploration program. The different procedures are described in the following sections.

12.1 Chip Samples

Rock chip samples were collected from mineralized zones on surface exposures and from hand trenches. A representative line of continuous rock and mineralized material chips of about equal size were collected over a measured length. Chips may vary from about 0.5 to 3.0 cm in size, with occasional larger pieces. Chip sample lengths were from 0.5 to 2.0 m long. Chips were collected on a tarpaulin and placed in plastic sample bags. Sample size depends on length and on level of difficulty in recovering chips from the rock surface. Average sample weight is 3 to 4 kg. A sample tag with date, location and descriptive geological data is retained in a sample book, and a duplicate numbered "blank" sample tag is placed in the bag and the bag securely closed. The same tag data is entered into a field notebook along with GPS coordinates of the sample site, and any relevant additional geological or technical data.

12.2 Grab Samples

Basically similar sampling procedure is followed as with chip sampling, except that sample or samples are not collected over a measured line. Sample size is not uniform, and tends to be larger than in chip samples in order to allow inspection of the material in detail upon returning from the field. By nature, a grab sample of mineralized material is uncontrolled therefore biased in depicting the size and grade of mineralization.

12.3 Drill Core Samples

Sample length is often maintained at one fixed interval, e.g. 0.5 m, 1.0 m, 2.0 m, to provide comparability between sample assays when calculating tonnage and grade. Sample length is also dictated by the complexity or homogeneity of the geological material sampled. Continuous sampling is desirable where disseminated mineralization is intersected, or where mineralization cannot be reliably identified by eye. Where significant lengths of drill core contain no visible evidence of mineralization, sampling may be restricted to those zones where geologic evidence favours the existence of the sought element or elements.

A core sample of predetermined length is broken free from adjacent core at each end, and marked with a centre line to guide the core cutter. Visible veins and other mineralization and structures may be highlighted with marking pen at this stage, for future study. A sample tag is filled out in triplicate with the "blank" tag going into an empty sample bag, the second tag being stapled to the bottom of the core box at the base of the sampled interval, and the third tag, with geological data on the sampled interval, is retained in the sample book. The tag number and sample footage are entered into the drill logging form. The core box with marked sample intervals, each with its sample bag and tag, is delivered to the core cutter.

The core cutter breaks the core into lengths suitable for the jaws on the rock saw, about 15-20 cm. The core is cut in the same sequence throughout, i.e. top to bottom of the core box interval, and the halved core is carefully returned to the core box in the same orientation as it left. The other half is placed in the plastic bag with the sample tag. On completion of cutting the core in the sampled interval, the bag is securely closed with a locking plastic tie, and placed in a shipping bag. Sample number is written on the outer shipping bag.

13. Sample Preparation, Analysis and Security

All samples collected by Golden Dawn Minerals were delivered to Eco Tech Laboratories, 10041 Dallas Drive, Kamloops, B.C. for sample preparation, analysis and assaying. The procedures for handling the samples at Stealth Minerals' base camp, sample shipment, Eco Tech Labs sample preparation and analytical/assaying methods are outlined in the following sections.

13.1 On-Site Sample Preparation

Sample preparation procedures were established for handling rock and drill core samples at Stealth base camp prior to dispatch to Mackenzie for transshipment to Eco tech Labs in Kamloops. Quality control procedures for the initial stage of core sampling were covered in Item 12.3 above.

Rock samples were inventoried and numbers checked against field notes. Rock samples were placed in large fiberglass "rice" bags, the sample tag numbers written on the outer bag, and the bag filled to a weight of 50 lbs (22.7 kg). The rice bag is closed with a locking plastic tie, sample numbers inventoried on a shipping waybill and entered in a sample shipping book. The sealed bag is placed in a secure steel shipping container, and the door locked until ready for transport.

Drill core samples were placed in a rice bag up to a weight of 50 lbs, the bag sealed with locking plastic ties, and inventoried as with rock samples. The rice bags were labeled on the outside with sequential tag numbers of contained samples, and the bags placed in the secure steel shipping container on a separate pallet from rock samples. The container was locked until the samples were ready for transport.

Shipping bags with contained samples were shipped to Mackenzie by Larry's Heavy Hauling, under contract to Stealth Minerals Ltd. Samples were transshipped by Canadian Freightways from Mackenzie to Kamloops, then delivered to Eco Tech Labs.

13.2 Laboratory Procedures

Samples collected during the 2007 program were submitted to Eco tech Labs of 10041 Dallas Drive, Kamloops, B.C. V2C 6C4. Eco tech is an ISO 9001:2000 accredited laboratory. Analytical procedures are given in Appendix VI. Gold in drill core was analyzed by 30-gram fire assay followed by atomic absorption finish. Silver and 28 other elements were determined by analyzing a 0.5 gram sample by dissolution in aqua regia and determinations read by ICP technology. Blank standards were inserted in the core logging and sampling process, whereas lab standards and duplicates were inserted in the assay laboratory. Any deviation from acceptable analytical error resulted in the whole batch being re-assayed from a new split.

13.3 Security and Chain of Custody

Rock samples from the Swan claims were collected by the author and E.T. Kimura, P.Geo. All core samples were selected by the author, and core cutting, bagging and handling was done by Stealth Minerals Ltd. technical staff under the direct supervision of the author. Rock and drill core samples were sorted, inventoried, bagged for shipment and stored securely in a locked steel shipping container at Stealth Minerals Ltd. base camp. The camp was occupied, at times, by up to twenty people but none had access to the bagged samples. Stealth personnel were present at all times, and sample tampering by unannounced visitors was not an issue.

14. Data Verification

Exploration data from Swan claims consisted mainly of analytical results of drill core samples, with some analytical results from rock chip and grab samples. The analytical and assay data from drill core and rock samples should be reliable and substantially error-free as most of the data have been electronically transported into the database from analytical data in digital format from Eco Tech Labs. The sample identification information and the merged analytical data are then plotted manually onto report figures.

Drill core assay samples undergo two verification procedures in the field before shipment to the analytical lab, as follows.

14.1 Blank Standard

A blank standard was inserted into the string of assay samples every twentieth sample. The standard consisted of two kilograms of clean white limestone obtained from a garden hardware store. The blank standard was tagged, bagged and inventoried similar to other samples. Assay results were inspected for the presence of unexpected elemental abundances.

14.2 Duplicate Split

An empty sample bag and blank tag was submitted along with routine samples every twentieth sample, alternating with the blank standards. This signaled the assay lab technician to insert a duplicate split of the preceding sample into the analytical stream. Assay results are inspected for excessive variance, particularly in the case of gold and silver assays where a high variance signals a nugget effect.

14.3 Laboratory Verification

In addition to assaying blank standards that were inserted in the field lab and duplicate splits requested by the customer, the assay technician carries out a repeat assay on every tenth sample and a resplit and repeat assay on roughly one sample out of thirty. In addition, the technician will resplit and reassay any sample that shows anomalously elevated values in the ore elements of interest. With every batch of samples, laboratory standards are assayed on a routine basis.

15. Adjacent Properties

Four mineral properties occur adjacent to Swan claims, including one producer (Shasta), two past producers (Lawyers and Baker Mines) and one prospect (Spartan or Pil).

15.1 Baker Mine (Chappelle) MINFILE No. 094E 026

The Baker Mine is located 7 km southwest of the Saunders vein system. At least six precious metal bearing veins have been discovered since 1979, and two have produced. DuPont of Canada produced from the "A" vein from 1981 to 1983 (Barr, 1978).To December 1991 Sable Resources mined ore grading at least 17 g/t Au from the "B" vein. In 1998 through to 2006 Sable has drilled two new zones, the Ridge zone and Beck vein. Currently ore from Shasta Mine is transported to the 100 t.p.d. Baker mill for processing. Indicated resource (non-compliant with NI 43-101) at "B" vein is 45,355 tonnes at 176.88 g/t Ag, and 19.53 g/t Au (GCNL No. 213, Nov.4, 1988). Total historical production is 81,878 tonnes milled, recovering 23,812.6 kg Ag, 1,284 kg Au, and 13,076 kg Cu (B.C.MINFILE, 2008).

Veins at Baker Mine occur within an uplifted fault block of basalt and andesite of the Late Triassic Takla Group in intrusive contact with the Early Jurassic Black Lake stock. Dykes and apophyses of the stock strike northeastward adjacent to veins. The "A" vein system varies from 10 to 70 m wide, and individual veins from 0.5 to 10 m wide through a vertical range of 150 m. Banded quartz-chlorite-pyrite veins contain economic quantities of electrum and argentite, plus chalcopyrite, sphalerite and galena in quartz and lesser carbonate gangue. Alteration adjacent to the quartz veins is a narrow zone of sericite and clay within extensively propylitized wallrocks (Diakow, et al.,1993).

15.2 Shas Mine MINFILE No. 094E 050

The Shas deposit, located 12 km south of Saunders veins, is an anastomosing low-sulphidation epithermal quartz-calcite stockwork breccia system hosted by pyroclastic and epiclastic rocks of the Attycelly Member of the Early Jurassic Toodoggone Formation. The deposit occurs within a rotated fault block dominated by north to northwest- trending normal and/or dextral faults (Marsden, 1990). Significant gold and silver mineralization is spatially related to a dacitic dome of lower Middle Jurassic age. Native gold and silver, electrum and argentite occur with sparse, finely disseminated pyrite, sphalerite, galena and traces of chalcopyrite. Adularia in wallrocks adjacent to the stockworks is associated with early, pervasively silicified zones up to tens of metres wide (Thiersch and Williams-Jones, 1990).

Sable Resources Ltd. produced from both open pit and underground workings in the period 1989-1991, and then produced episodically from 2000 to 2007. Total production is 131,113 tonnes of ore milled, recovering 33,018.7 kg Ag, and 602.8 kg Au (BC MINFILE 2008). Total indicated resource (non-compliant with NI 43-101) is 1,259,961 tonnes at 5.07 g/t Au (GCNL No. 140, July 20, 1989).

15.3 Lawyers or Cheni Mine MINFILE No. 093E 066

The Lawyers deposit, located 8 km west of the Saunders vein system, is a low-sulphidation epithermal gold-silver quartz vein, stockwork and breccia deposit that includes the Amethyst Gold Breccia (AGB), Cliff Creek and Duke's Ridge zones. All three deposits are located along northwest-trending, steeply west-southwest dipping fractures. Hostrocks at the AGB zone are dacitic tuff of the Adoogacho Member and overlying latite flows of the Metsantan Member of the Toodoggone Formation, related to a graben margin in which block faults step down incrementally towards the west (Vulimiri, et al., 1986). The AGB zone consists of fracture-controlled breccia zones and stockwork veins that bifurcate about 100 m from surface into two discrete zones. Ore minerals include electrum, argentite, gold, silver, with minor chalcopyrite, sphalerite and galena, and traces of pyrite. Principal gangue minerals are chalcedony, crystalline quartz, amethyst, calcite, hematite and minor barite. Silver: gold ratio averages 20:1. Highest ore grades are associated with chalcedony and hematite which form the matrix in breccia zones. Sparry calcite occurs in the centre of veins, and adularia commonly forms millimeter- thick pink boundaries on vein margins. Potassic alteration passes outward to propylitic alteration of the host rocks (Diakow, et al., 1993).

Cheni Mines started production from the AGB zone in 1989 and production ceased in 1992. Production in 1991 includes ore from the Al deposit, and in 1992, from the Phoenix deposit. Total production is 619,869 tonnes milled with recovery of 113,184.1 kg Ag and 5,402 kg Au (MINFILE 2008). Bishop Gold Inc. in a press release dated Feb. 15, 2005, stated inferred resources (NI 43-101 compliant) in combined Cliff Creek and Duke's Ridge zones of 85,178 tonnes of material at grade 232 g/t Ag and 7.77 g/t Au.

15.4 Spartan or Pil Prospect MINFILE No. 094E 007

The Spartan, along with its NW and NW Extension zones, is part of the Pil property which adjoins the Swan claims on the northeast, and is located five kilometres northeast of the Saunders vein system. Porphyry copper- style mineralization is associated with silicified, locally brecciated, K-feldspar altered intrusive rocks. The host rocks are trachyandesite flows of the Metsantan Member of the Toodoggone Formation, intruded by syenite and monzonite of the Early Jurassic Black Lake intrusive suite.

Pyrite, chalcopyrite, molybdenite, malachite, azurite and chalcocite occupy fractures and shears in intensely phyllic altered volcanic and intrusive rocks. The strong zone of fracturing strikes northwest, dips steeply to the northeast, and covers an area of 600 m by 1000 m. A rock sample collected from this zone in 1967 analyzed 0.23% Cu and 0.01% Mo (Assessment Report 1823). In the NW Zone a drill hole by Finlay Minerals in 2004 intersected five mineralized intervals with an aggregate length of 303.9 m grading from 0.09 % Cu to 0.16% Cu (Assessment Report 27,602).

16. Interpretation and Conclusions

16.1 Drill Testing Saunders Geophysical Survey Anomalies

The exploration programs on the Saunders vein system prior to and including 2004 revealed gossans and mineralized outcroppings along Saunders Creek about 500 m north-northeast of the Saunders "A" showing. A grid of four lines spaced at 50 m and about 400 m long was surveyed with I.P., S.P. and magnetometer by Geotronics Surveys Ltd. Six subparallel linear I.P. chargeability highs with coincident resistivity lows were interpreted by Mark (2004) to be sulphide-bearing structures, possibly extensions of Saunders "B" vein 400m to the south (Figure 12). Drill holes S-07-03 and S-07-04 were located to test these anomalies, as described in item 11.2 above.

Drill cores intersected quartz veins commonly less than 10 cm wide with abundant pyrite, but only traces of chalcopyrite and sphalerite (Figure 8). Fracture and fault zones commonly were mineralized with pyrite. Felsic porphyry dykes ranging from 1 to 6 m wide were unmineralized. No significantly elevated assays in base or precious metal elements were detected. The chargeability highs are interpreted to reflect pyrite as vein and shear zone fillings common in the two holes. Quartz veins of significant width and elevated precious metal content were not intersected in these drill holes. The geophysical response to the surface showings in this area indicates that this N-S trending set of anomalies reflects pyritized shears and fractures with minor base metal content but negligible precious metal content.

16.2 Drilling of Saunders Veins

Drill holes S-07-01 and S-07-02 were located to intersect the high grade gold and silver- bearing vein zone exposed in hand trenches at Saunders "A" showing. A 5 m-wide zone of crustiform and vuggy quartz veins 5 to 10 cm wide with sulphide mineralization strikes north-northwestward in silicified and brecciated tuff. A 3.0 m chip sample (# 148273) taken here July 16, 2004 by the writer yielded the following assays:
Au: 23.40 g/t; Ag: 518 g/t (Fire assay, Acme Labs, Vancouver).

The drill holes intersected quartz veins vertically below the Saunders "A" showing between 0.7m and 1.0m wide that ranged from 1 to 12 g/t Ag and 0.1 to 0.2 g/t Au (sample #83856). As shown in Figure 6, both drill holes intersect veins between 30 m and 40 m down hole that apparently correspond to the "A" showing. Quartz and chalcedony veins with pyrite and chalcopyrite up to 20 cm wide do not show elevated precious metal values. A second 40 cm-wide vein zone at 80 m down hole in S-07-01 assayed 0.2 g/t Au and 10.5 g/t Ag over 0.7 m (sample #83856). This vein corresponds to another intersected around 100 m down hole in S-07-02 that lacks elevated Au and Ag values, but indicates by the steep easterly dip that it is part of the Saunders vein system. A third mineralized vein intersected at 142-143 m in hole S-07-01 assayed 0.1 g/t Au and 1.8 g/t Ag.

The high Au and Ag grades exposed at the "A" showing were not encountered in the veins intersected down dip on the "A" zone or in a deeper intersection corresponding to a vein that apparently has not been detected on surface. The distribution of elevated gold and silver content in "A" zone is interpreted to be not continuous to down-dip depths of 25 to 30 m.

The Saunders "A" vein zone was traced northward for 125 m where a grab sample of 1-3 cm-wide crustiform quartz-pyrite veins yielded assays of 33.6 g/t Ag and 0.04 g/t Au (sample #504653). Drill hole S-07-07 tested this showing. The core intersected a mylonitic quartz-pyrite vein 42 m vertically below the surface showing that assayed 1020 g/t Ag and 19.1 g/t Au over 0.3 m (sample #84041). A 1.5 cm wide quartz-pyrite vein 5 m higher up the core assayed 0.32 g/t Au and 2.3 g/t Ag (sample #84040). Also, at 32 to 33 m, a 3 cm-wide quartz-breccia vein assayed 0.11 g/t Au and 6.6 g/t Ag (sample # 84032).

These intersections are interpreted to be a northern extension of the Saunders "A" vein. As in the case of the "A" showing, elevated precious metal values in surface exposures did not appear to carry continuously 40 m down dip on the vein.

A drill site was located on Saunders "B" vein 200 m due east of the outcropping of Saunders "A" vein, where moderately elevated values in Au and Ag were located in hand trenches (Smith, 2005)(Figure 5). Drill section for S-07-05 and S-07-06 is given in Figure 9. Core assay intervals in S-07-05 of quartz veins and silicified zones between 20m and 42m on the projected down-dip extension of "B" vein did not reveal significantly elevated values in precious or base metal elements. Similar results were obtained in drill hole S-07-06.

Quartz veins in outcroppings and float at "B" showing attain widths of almost 1 m, and veins of 20 cm width were intersected in core. Surface exposures indicate the zone may contain several veins of substantial size. Although drilling and surface sampling at Saunders "B" did not reveal significant gold and silver values, the potential size of the zone indicates that further exploration along strike is warranted.

16.3 Drill Testing of Som Geophysical Anomalies

Anomaly "B", a strong I.P. chargeability high and coincident resistivity low that crossed the western ends of L52+50N and L48+50N in the 2004 Geotronics survey (Figure 12) was confirmed and extended southward in the 2007 Geotronics survey to cross L47+40N and L46+30N, as shown in Appendix II, Som I.P. Sections (Mark, 2008). Anomaly "B" was given highest priority in selecting sites for drill testing on the Som grid, as described in Item 11.6 above. The results of the two drill holes that tested this anomaly are given in Item 11.7, the plan view of the two holes is given in Figure 13, and the section of the holes in Figure 14.

As shown in the Som-07-01 and Som-07-02 drill logs in Appendix IV, dacitic lithic-crystal tuff of the Toodoggone Saunders Member was intersected throughout both drill holes. Several unmineralized small andesite porphyry dykes were intersected, but not any substantial intrusive bodies. Fractures, faults and breccia zones were mineralized by quartz, calcite and anhydrite with often abundant pyrite but sparse base metal minerals. Alteration accompanying the veins, etc. was typical of a porphyry copper assemblage, but copper and molybdenum values rarely were elevated above background.

Rock exposures in the creek adjacent to the Som drill holes were intensely oxidized. When broken, some less oxidized portions showed disseminations and veinlets of pyrite. This part of Anomaly "B" is interpreted to be caused primarily by pyrite, enhanced by concentrations of vein minerals in a strong fracture and/or fault zone that probably strikes north-northwestward following the anomaly trend (Figure 13). The Som drill holes were sited to intersect the centre of Anomaly "B, therefore the flanks of this anomaly should be given consideration as an alternate target. The geophysical data related to Anomaly "B" at L48+50N were interpreted by Mark (2008) as evidence of a buried intrusive. The northern part of Anomaly "B" should be considered as possibly representing a buried intrusion

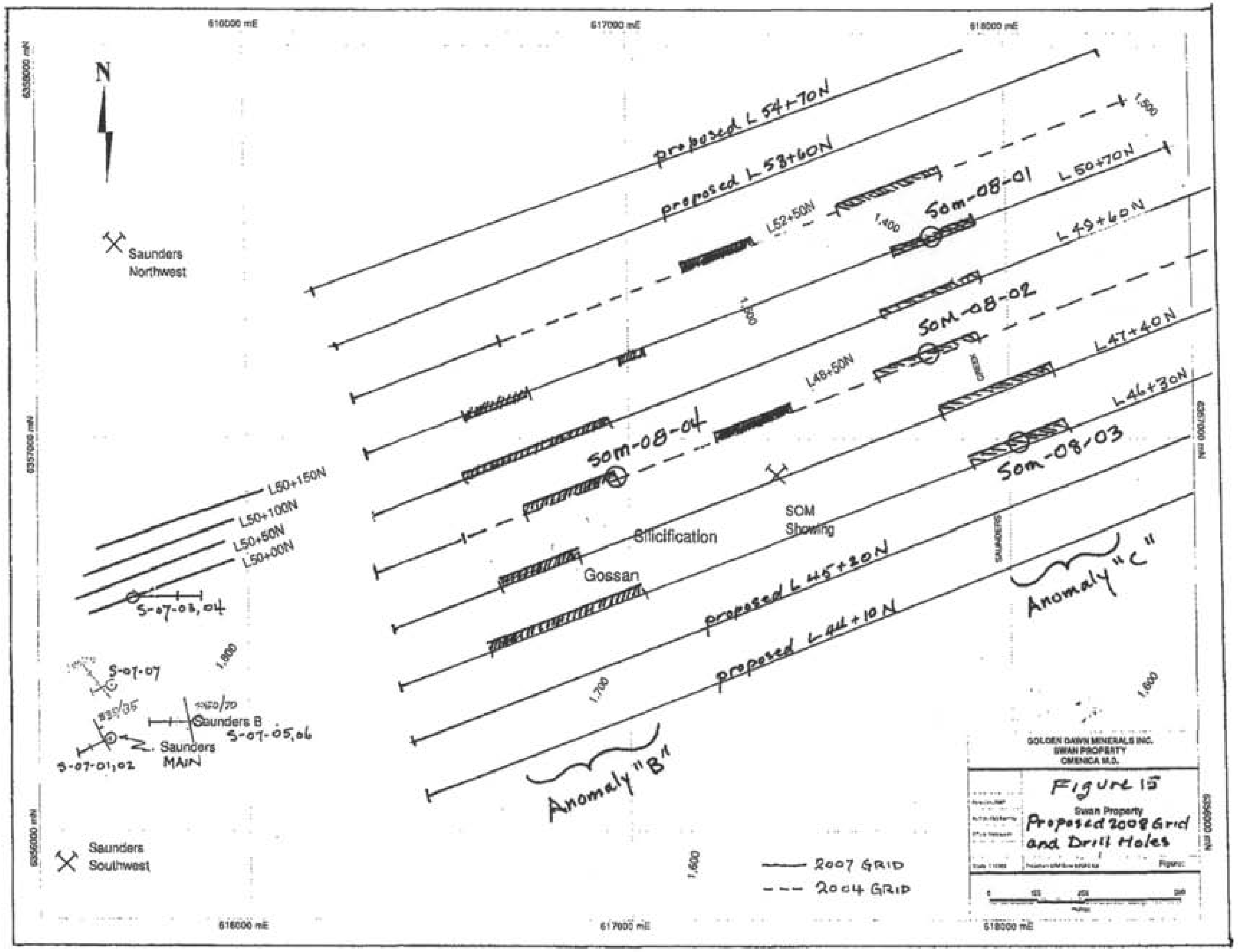
Anomaly "C" cuts cross all Som grid lines in the eastern part of the grid that overlies the main tributary of Saunders Creek. It is a large anomaly, at least 600 m long, at 25 to 75 m depth, with correlated resistivity and magnetic highs interpreted to indicate the presence of an intrusive, possibly a dome-like feature at about 6750E on L48+50 and at 750E to 1250E(?) on the 2007 lines (Mark, 2008). When Geotomo inversions of the profiles are available, drill targets could be selected in this area.

17.0 Recommendations

A two-phase program is recommended; with Phase II contingent upon positive results in Phase I. Phase I includes a geophysical survey of 9 line-km, a MMI geochemical survey of 2500 m length, prospecting, sampling and mapping a 50 square km area, and drilling four-300 m holes on the Som grid and two-300 m holes on CuBx. Phase II could involve drilling up to ten-400 m holes.

17.1 Geophysical Survey

Anomalies "B" and "C" are priorities for drilling. They both cut all lines in the 2007 grid (Figure 13) therefore the grid should be expanded by two lines



N
Saunders Northwest
proposed L 54+70N
proposed L 53+60N
L52+50N
Som-08-01
L 50+70N
L 49+60N
Som-08-02
L48+50N
L 47+40N
L 46+30N
Som-08-04
Som-08/03
L50+150N
L50+100N
L50+50N
L50+00N
S-07-03,04
Silicification
SOM Showing
Gossan
proposed L 45+20N
proposed L 44+10N
Anomaly "C"
Anomaly "B"
S-07-07
Saunders B
S-07-05,06
Saunders MAIN
S-07-01,02
Saunders Southwest
2007 GRID
2004 GRID
GOLDEN DAWN MINERALS INC.
SWAN PROPERTY
OMENICA M.D.
Figure 15
Swan Property
Proposed 2008 Grid and Drill Holes
616000 mE
617000 mE
618000 mE

to the north and south, for a total of about nine line-km. (Figure 15), and a survey of I.P., resistivity and magnetism run over the extended grid.

17.2 MMI Geochemical Survey

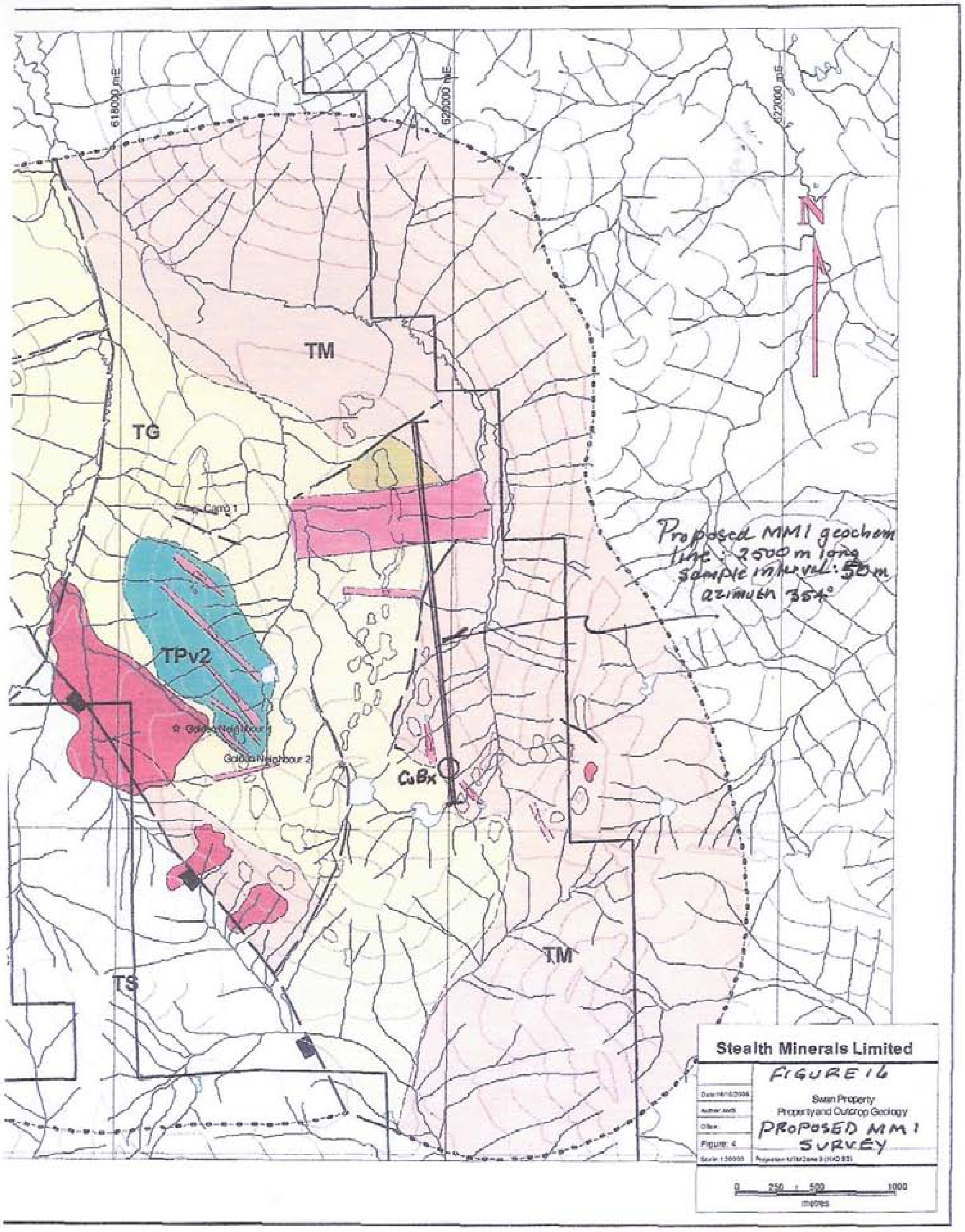
The Copper Breccia (CuBx) showing is hosted almost entirely within talus material unsuitable for geophysical or geochemical surveys. The nature of the mineralized talus blocks indicates a proximal porphyry-type source. A MMI geochemical sampling line is proposed, starting at the creek immediately south of CuBx and extending northward at azimuth 354° for 2500 m. Sample interval should be every 50 m (Figure 16). At least two drill holes in the vicinity of CuBx may be located on the basis of the MMI survey results.

17.3 Prospecting, Sampling and Mapping in the Eastern Claim Area

The northeastern part of the Swan claim block is underlain by extensive areas of Black Lake monzonite and granodiorite intrusive rocks. Two porphyry copper prospects in the Pil North group, Spartan and GWP are located close to the eastern claim boundary. The proposed prospecting area, of 10 km by 5 km, in the northeastern corner of the claim block is outlined in Figure 17. The proposed MMI geochem survey line terminates at the southern limit of the prospecting area. The area should be prospected, sampled and geologically mapped by a two-man team, involving about one week of field time.

17.4 Som I.P. Anomaly "C"

A dome-like feature was interpreted by Mark (2008) to be an intrusive. An inversion section on L50+70 shows the anomaly, but inversion treatment of section L49+60 N, and IP data for the eastern end of L48+50N are not available at time of writing, therefore location of proposed drill holes in this area is preliminary. The approximate location of Anomaly "C" is given in Figure 15, along with the provisional locations of three proposed drill holes Som-08-01,-02 and-03. The results of the proposed IP survey may change the location and prioritization of these three drill holes.



618000 mE
620000 mE
622000 mE
N
TM
TG
Camp 1
TPv2
Golden Neighbour 1
Golden Neighbour 2
CuBx
TM
TS
Proposed MMI geochem line: 2500 m long sample interval: 50m azimuth 354°
Stealth Minerals Limited
FIGURE 16
Swan Property
Property and Outcrop Geology
PROPOSED MMI SURVEY
Figure: 4
0 250 500 1000
metres

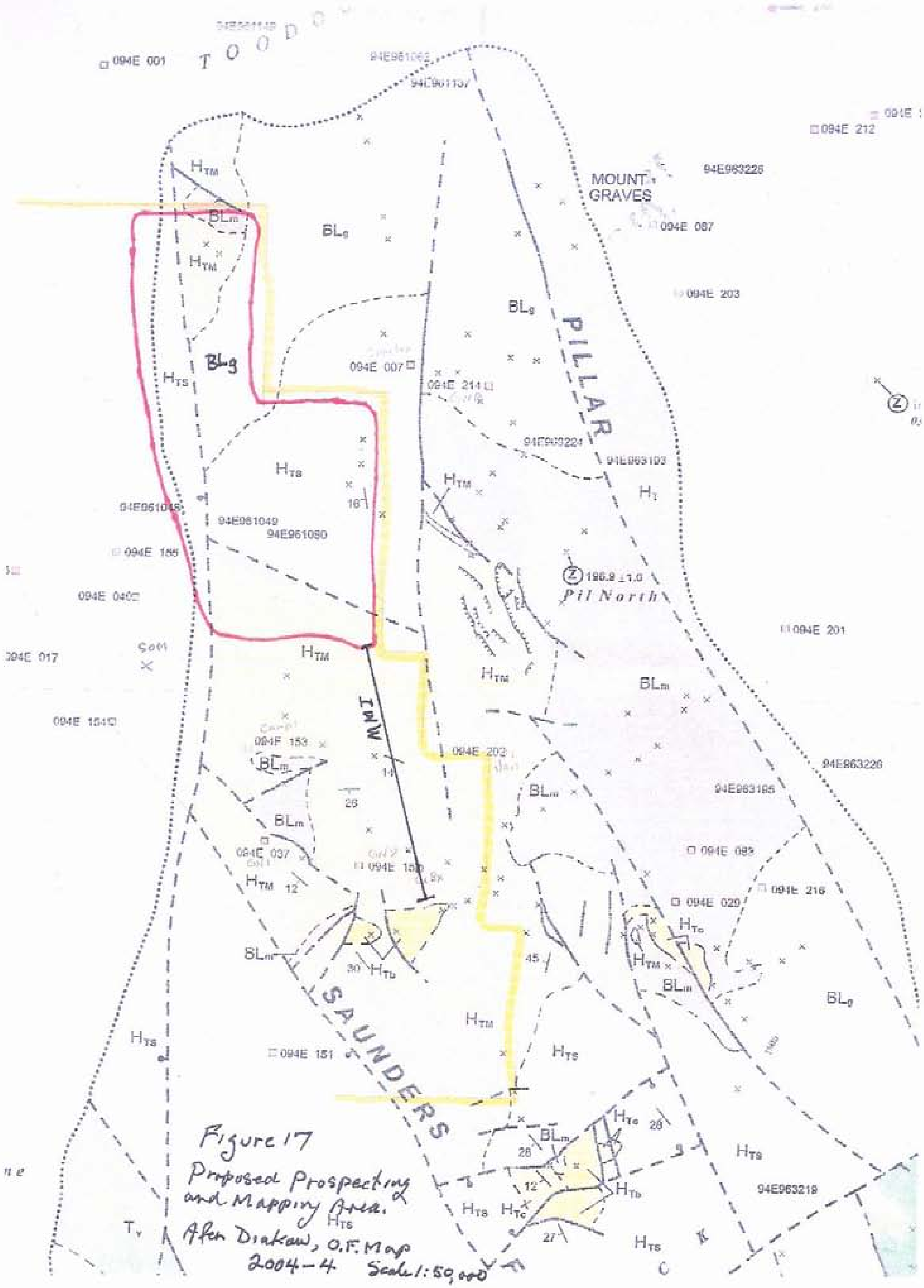


Figure 17
Proposed Prospecting and Mapping Area.
After Diakow, O.F. Map 2004-4 Scale 1:50,000

17.5 Som I.P. Anomaly "B"

Following upon the results and interpretation of the drill holes Som-07-01 and-02 in Item 19.3 above, the drill hole Som-08-04 on the flank of the strong IP anomaly "B" rather than in the centre, is proposed. In Figure 15, this hole is provisionally located on the eastern flank of the anomaly on L48+50N, but another location may be chosen based upon the results of the proposed geophysical survey.

17.6 Phase II Program

Phase II is contingent upon positive results of the surveys and drilling in Phase I. Assuming that follow-up drill holes will be aimed at deeper targets, probably related to porphyry copper models, ten-400 m drill holes are proposed in Phase II.

18. Budget

Swan: Phase I Budget

Category	Account	$ Rate	Units	$ Balance
Salaries	Proj Geo	600	20	12,000
	Geo	450	30	13,500
	Ass Geo	350	30	10,500
	Tech	250	30	7,500
	Consult	700	10	7,000
Analysis	MMI	35	50	1,750
Assay	Core	25	2000	50,000
	Rock	25	50	1,250
Field, Camp	Supplies		1500	1,500
	Camp costs	75	120	9,000
	Expediting			750
Surface	Drill Pads	1000	6	6,000
	Line Cut	500	10	5,000
	Diamond Drill	120	1800	216,000

Travel	Accomo, Meals	150	120	18,000
	Airfare	700	10	7,000
Geophysics	IP, 6-man crew	3000	15	45,000
	Mob/demob	2000	5	10,000
	Rm & Bd	150	20	3,000
Geophysics	Truck, supplies			2,000
	Data reduction	50	80	4,000
Transport	Truck rent	150	30	4,500
	Helicopter, fuel	1200	25	30,000
Support	Communicat	25	30	750
Freight				2,500
Other, Mgmt	Storage			1,000
	Reporting			8,000
	Contingency			10,000
TOTAL, PHASE I				**$ 487,300**

Swan Budget, Phase II

Diamond drilling	10 holes@400m=4000 m@120	480,000
Core Assay	2000@25	50,000
Drill pads	10@1000	10,000
Helicopter	25 hrs@1200	30,000
TOTAL, PHASE II		**$ 570,000**
GRAND TOTAL		**$1,057,300**

Table III 2007 Exploration Expenses

Statement of Costs

Category	Account Description	$ Rate	days/hr/unit	$ Balance
Consultants Fee's	Ken Dawson, P.Geo.Planning, supervising drilling program	$ 700.00	20	$ 13,809.77
Analysis, Assay	Rock geochem	$ 7.60	13	$ 124.30
Echo Tech Laboratories	Core	$ 9.62	1753	$ 16,860.25
Field/Camp	Field Supplies			$ 13,909.77
	Camp Costs (staff/drillers)	all in	806 man days	$ 205,752.52
	see 19.1 Page 65A			
	Management fee 8%			$ 22,240.00
Surface Work	Line cutting, Site Prep			$ -
	Trenching/Pitting			$ -
	Diamond Drilling	$ 115.00	per meter	$ 250,452.42
Travel	Lodging			$ 3,532.16
	Meals, Groceries			$ 497.00
	Airfare			$ 4,972.67
	Truck (geotronics)			$ 1,648.00
Geophysics	IP/Mag	all in	122 man days	$ 37,701.00
Transportation/Air Support	Flights to Kemess			$ 4,972.67
	Helicopter			$ 206,599.76
Support Activities	Communication			$ 2,500.00
	Maps/Reports			$ 4,930.23
	Shipping/Freight			$ 3,516.67
Other	Management Fees (Multi)			$ 6,192.60
	Report writing			$ 4,930.23
	Reclamation Bond			$ 5,000.00
			Total:	**$ 810,142.02**

19.1 SCHEDULE OF SUPPORT ACTIVITIES FOR THE SWAN PROPERTY, TOODOGGONE REGION 2007

On May 31st 2007, the Company entered into a SERVICE CONTRACT with an experienced company that provided for a comprehensive turnkey package of services including:

- Organize and coordinate all activity and expediting required for camp functions and safety
- Up to seven support personnel including camp manager, cook, bull cook and camp maintenance
- Camp and equipment mobilization requiring trucking in all supplies
- Field operations support, including line-cutting, core cutting, sample preparation and shipping
- Field supplies and small hand tools and related equipment
- Support and accommodation and food for geophysical crews
- Support and accommodation for drill crews
- All travel requirements, including private charter and Kemess inbound-outbound manifests
- Arrange all freight deliveries from Prince George and Vancouver
- Arrange and coordinate all sample shipments
- Supply propane and other fuel for camp operations
- Accommodation and food for Golden Dawn personnel and consulting geologists
- Access to and landing sites for helicopter and fuel storage
- Diesel fuel storage and dispensing for drilling
- Office space and access to communication systems and computers
- Truck rental
- Accounting, bridge financing and payment of all invoices and other services the period of May to October 2007

The Contract provided for direct employment for seven people. The Camp mobilized on June 24th and was occupied by Golden Dawn and two other companies who shared the camp expenses for the season.

The camp and personnel expenses were shared initially by three companies (mobilization and July) and subsequently by two companies.

TABLE OF EXPENSES-MONTHLY 2007
GOLDEN DAWN SWAN PROJECT

ACTIVITY	MAN DAYS	PERSONNEL	CONTRACT COST	PER MAN DAY
MOBILIZATION AND CAMP SET UP	56	7	$18,226.19	$325.47
JULY	83	14	$26,908.51	$324.20
AUGUST	341	21	$66,991.99	$196.46
SEPTEMBER	229	12	$68,412.36	$298.74
OCTOBER and DEMOB	97	14	$47,453.47	$489.21
TOTALS	**806**	**N/A**	**$227,992.52**	**$282.87**

20. References

B.C. MINFILE, 2008. Assessment Reports.

Barr, D.A. 1978. Chappelle Gold-Silver Deposit, British Columbia. Canadian Institute of Mining and Metallurgy, Bulletin, Volume 71, Number790, pages 66-79.

Barrios, A. and Kuran, D.L. 2006. Geochemistry and Geological Report on the Fog Mess Mineral Claims, Toodoggone Lake Area, NTS (94E-007, 94E-008) British Columbia; prepared for Stealth Minerals Ltd.

Blann, D.E. 2001. Geological Assessment Report on the Pine Property, Finlay River, Toodoggone, British Columbia, NTS 94E.017, 94E.027, 57°131'N, 127°42'W, Omineca Mining Division. Prepared for Stealth Mining Corp., Edmonton, AB. Prepared by Standard Metals Exploration Ltd., Burnaby, B.C. Assessment Report # 26545.

Diakow, L.J. Personal Communication, 2003

Diakow, L.J. and Metcalfe, P. 1997. Geology of the Swannell Ranges in the Vicinity of the Kemess Copper Gold Porphyry Deposit, Attycelley Creek (NTS 94E/2), Toodoggone River Map Area. British Columbia Geological Survey Branch. Geological Fieldwork 1996, Paper 1997-1, 101-115.

Diakow, L.J., Panteleyev, A., and Schroeter, T.G. 1993. Geology of the Early Jurassic Toodoggone Formation and Gold-Silver Deposits in the Toodoggone River Map Area, Northern British Columbia. B.C. Ministry of Energy Mines and Petroleum Resources, Bulletin 86, 72 pages.

George Cross Newsletter, Number 140, July 20, 1989.

Kimura, E.T. 2007. Geological, Geochemical and Geophysical Report on the Swan Property, Toodoggone River Area, B.C., Omineca Mining Division, NTS 94E/6E, Latitude 57°23'N Longitude 127°00'W. Prepared for Golden Dawn Minerals, Vancouver.

Kirkham, R. V. and Sinclair, W. D.,1996, Porphyry copper, gold, molybdenum, tungsten, tin, silver; *in* Geology of Canadian Mineral Deposit Types, (ed.) O. R. Eckstrand, W. D. Sinclair, and R. I. Thorpe; Geological Survey of Canada, Geology of Canada, no. 8, p. 421-446.

Kuran, D. 2004. Geochemical and Geological Report on the Fog Mess Claims Group, Toodoggone Lake Area, NTS 94-E-007,008), British Columbia. Assessment Report #27636.

Lane, R. 2007. Central Region *in* Exploration and Mining in British Columbia 2006, T. Schroeter, et al., (eds), British Columbia Ministry of Energy Mines and Petroleum Resources, p.57-71.

Mark, D.G. 2004. Geophysical Report on IP, Resistivity, SP and Magnetic Surveys over the Saunders and Som Grids within the Swan Claim Group, Toodoggone River Area, Omineca Mining Division, British Columbia. Prepared for Golden Dawn Minerals Inc., Vancouver by Geotronics Surveys Ltd., Surrey, B.C.

Mark, D.G.2008. Geophysical report on the IP and Resistivity Surveys over the Som Grid within the Swan Claim Group, Toodoggone River Area, Omineca Mining Division, British Columbia. Prepared for Golden Dawn Minerals Inc., Vancouver by Geotronics Consulting Inc., Surrey, B.C.

Marsden, H. 1990. Stratigraphic, Structural and Tectonic Setting of the Shasta Au- Ag Deposit, North- central British Columbia. Unpublished M.Sc. thesis, Carleton University, 223 pages.

MapPlace website; Government of British Columbia, Ministry of Energy and Mines, (http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace).

Panteleyev, A., 1995, Epithermal Au-Ag: High Sulphidation (I 5), and Low Sulphidation Au-Ag (I-6), *in* Deposit Profiles and Resource Data for Selected British Columbia Mineral Deposits, D. V. Lefebure and G. E. Ray, eds., B.C. Ministry of Energy, Mines and Petroleum Resources, Open File.

Smith, F.R. 2005.Geochemical and Geological Report on the Swan Property, Toodoggone River Area, B.C., Stealth Minerals Limited, Omineca Mining Division, NTS 94E/6E, Latitude 57°23'N, Longitude 127°00'W. Assessment Report #27760 prepared for Golden Dawn Minerals Inc, Vancouver, B.C,

Thiersch, P.C. and Williams- Jones, A.E. 1990. Paragenesis and Ore Controls of the Shasta Ag-Au Deposit Toodoggone River Area, British Columbia (94E) *in* Geological Fieldwork1989, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1990-1, pages 315-322.

Vulimiri, M.R., Tegart, P. and Stammers, M.A. 1986. Lawyers Gold-Silver Deposits, British Columbia in Mineral Deposits of the Northern Cordillera, Morin, J.A. Editor, Canadian Institute of Mining and Metallurgy, Special Volume 37, pages 191-201.

21. Date and Signature Page

I, Kenneth Murray Dawson, Ph.D., P.Geo. do hereby certify that:

1. I am President of Terra Geological Consultants Ltd., 3687 Loraine Avenue, North Vancouver, B.C. V7R 4B9.
2. I graduated with a Ph.D. in Economic Geology from the University of British Columbia in 1972, and a Bachelor of Science degree in Honours Geology from the University of British Columbia in 1964.
3. I am a Member of the Association of Professional Engineers and Geoscientists of British Columbia, a Fellow of the Geological Association of Canada, a Life Member of the Canadian Institute of Mining and Metallurgy, a Member of the Mineralogical Association of Canada, and a Corresponding Member of the Russian Academy of Science.
4. I have worked as an exploration, research and mining geologist for over forty-two years since my graduation from university .
5. I have read the definition of "Qualified Person" set out in National Instrument 43-101 (NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "Qualified Person" for the purposes of NI 43-101.
6. I am responsible for the entire report titled "Geophysical and Diamond Drilling Assessment Report on the Swan 1-18 Mineral Claims, Toodoggone River Area, British Columbia".
7. I have visited the property that is the subject of this report at least ten times between the date of July 10, 2007 and the date of this technical report.
8. I have had no prior involvement with the property that is the subject of this technical report.
9. I am not aware of any material fact or material change with respect to the subject matter of this technical report that is not reflected in this technical report, the omission of which to disclose makes this technical report misleading.
10. I am independent of Golden Dawn Minerals Inc. applying the tests set out in section 1.5 of NI 43-101.
11. I have read NI 43-101 and Form 43-101 F1 and this technical report has been prepared in compliance with NI-43-101 and Form 43-101 F1.
12. I consent to the filing of this technical report with any stock exchange or other regulatory authority and any publication by them, including electronic publication of this technical reporting in the public company files on their websites accessible by the public.

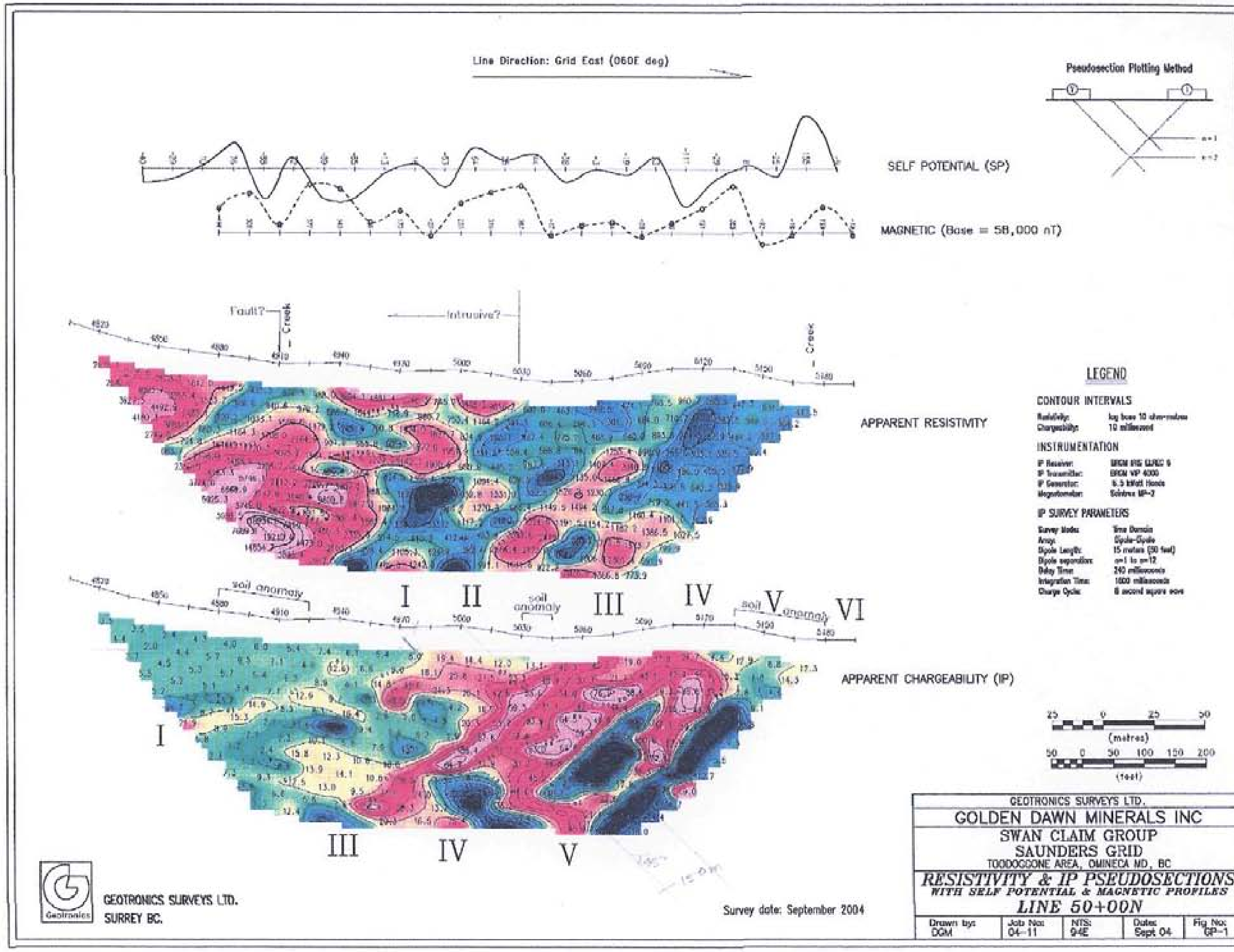
Dated: March 17, 2008

PROFESSIONAL PROVINCE OF K. M. DAWSON BRITISH COLUMBIA GEOSCIENTIST

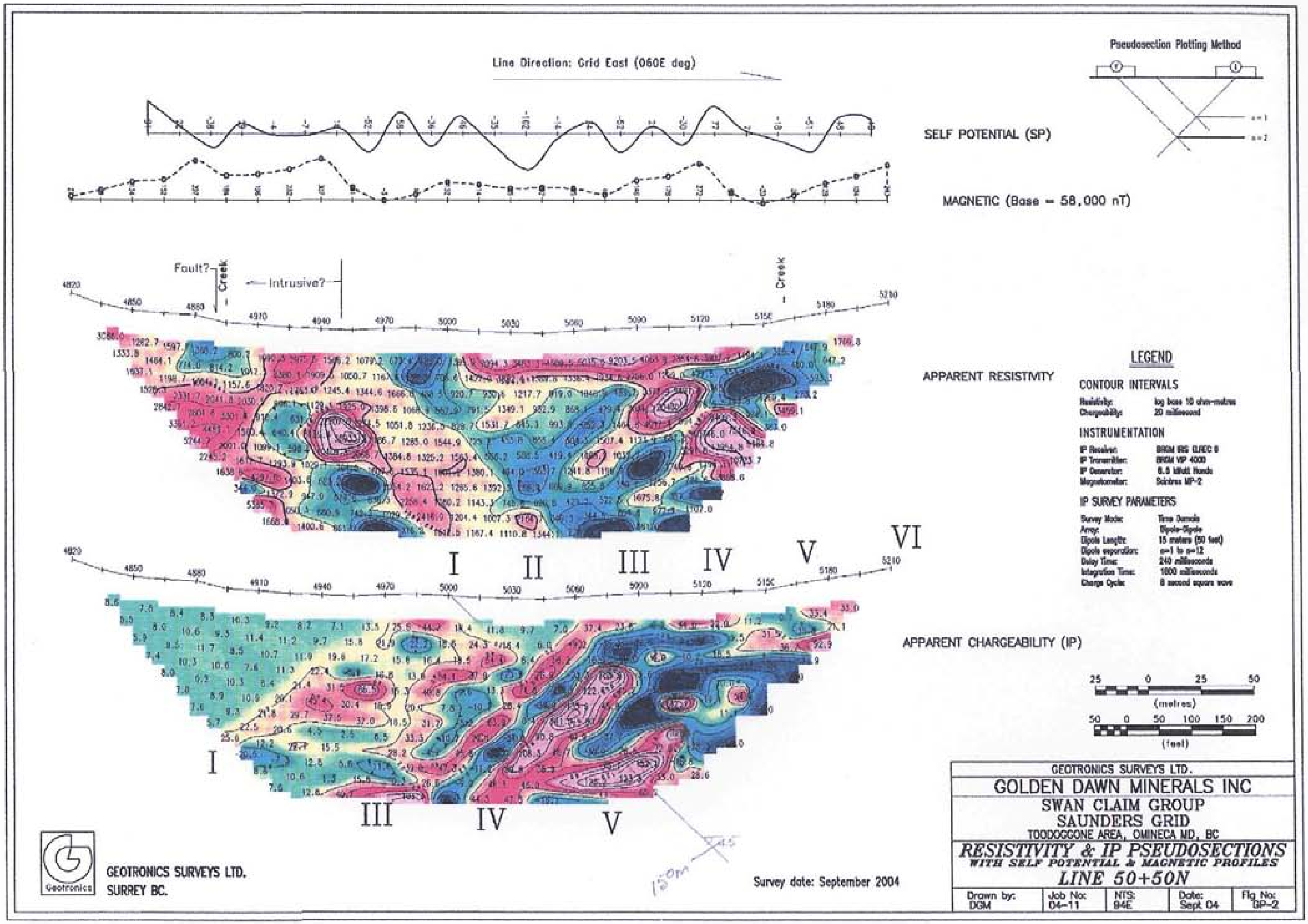
Kenneth M. Dawson Ph.D. P.Geo.

APPENDIX I

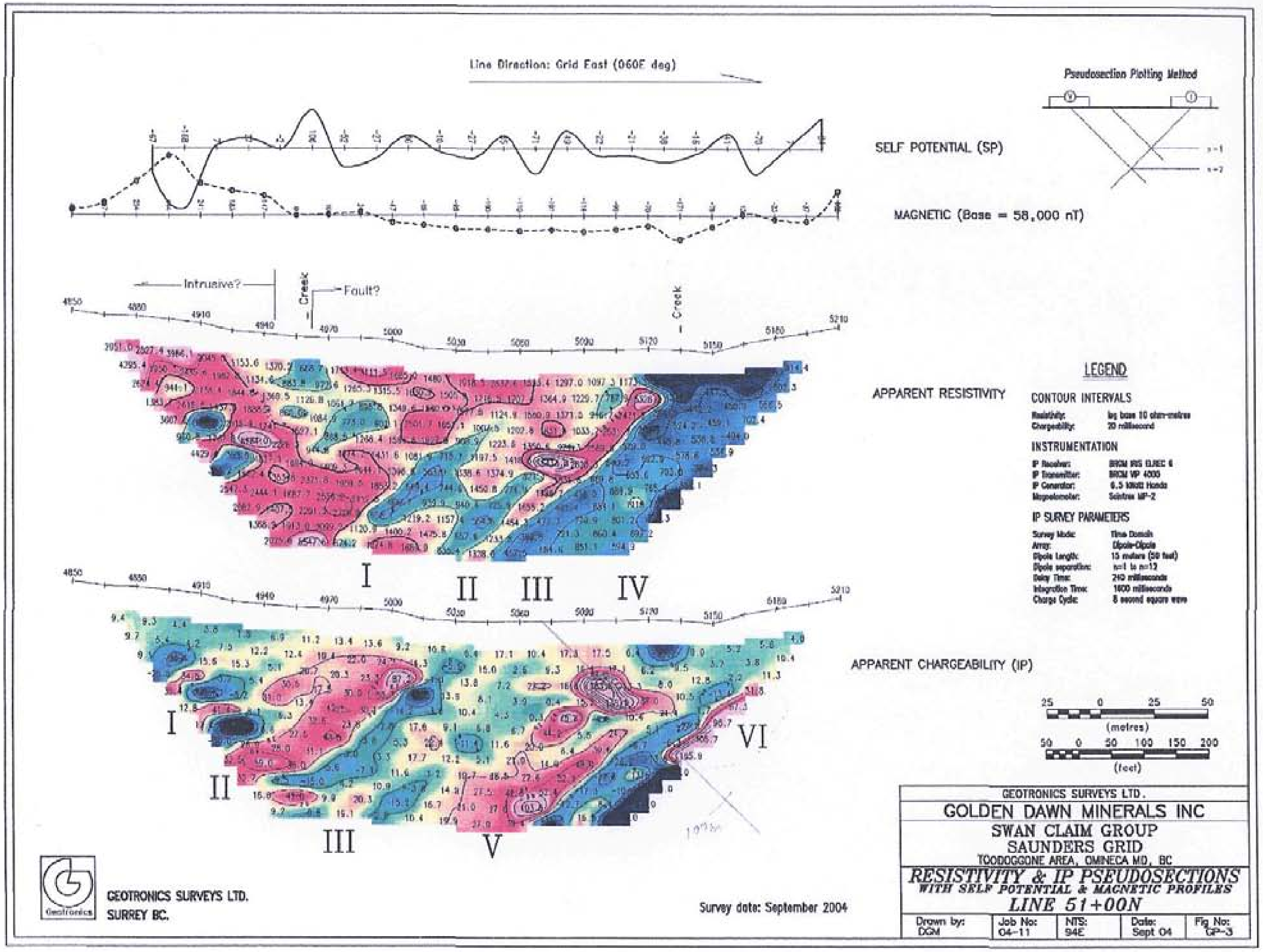
IP and Resistivity Sections for the Saunders Grid.



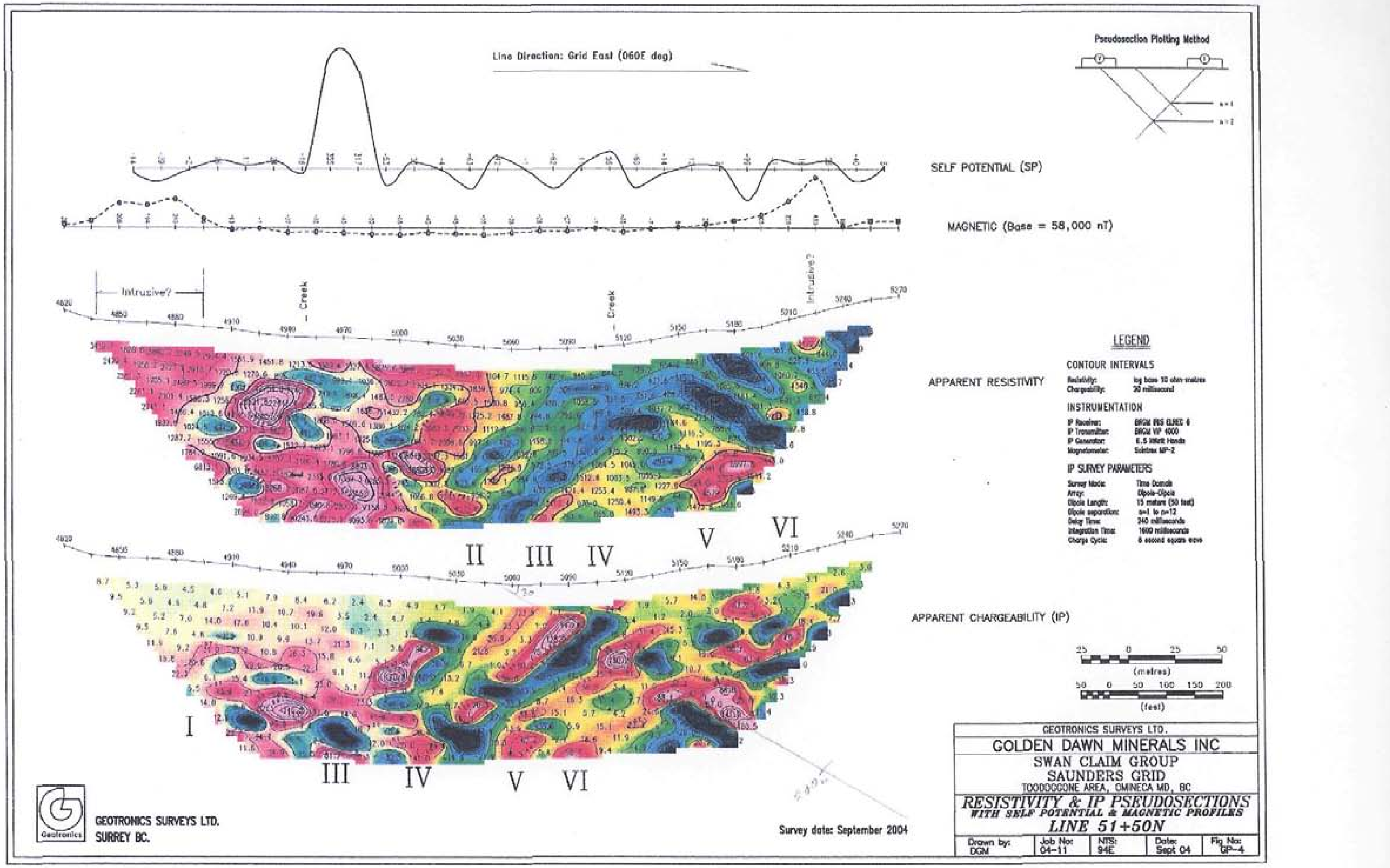
Line Direction: Grid East (060E deg)
Pseudosection Plotting Method
SELF POTENTIAL (SP)
MAGNETIC (Base = 58,000 nT)
Fault?
Creek
Intrusive?
APPARENT RESISTIVITY
soil anomaly
I
II
III
IV
V
VI
APPARENT CHARGEABILITY (IP)
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
(metres)
(feet)
GEOTRONICS SURVEYS LTD.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SAUNDERS GRID
TOODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTIONS
WITH SELF POTENTIAL & MAGNETIC PROFILES
LINE 50+00N
Drawn by: DGM
Job No: 04-11
NTS: 94E
Date: Sept 04
Fig No: GP-1
GEOTRONICS SURVEYS LTD.
SURREY BC.
Survey date: September 2004



Line Direction: Grid East (060E deg)
Pseudosection Plotting Method
SELF POTENTIAL (SP)
MAGNETIC (Base = 58,000 nT)
Fault?
Creek
Intrusive?
APPARENT RESISTIVITY
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
I
II
III
IV
V
VI
APPARENT CHARGEABILITY (IP)
(metres)
(feet)
GEOTRONICS SURVEYS LTD.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SAUNDERS GRID
TOODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTIONS
WITH SELF POTENTIAL & MAGNETIC PROFILES
LINE 50+50N
Drawn by: DGM
Job No: 04-11
NTS: 94E
Date: Sept 04
Fig No: GP-2
GEOTRONICS SURVEYS LTD.
SURREY BC.
Survey date: September 2004



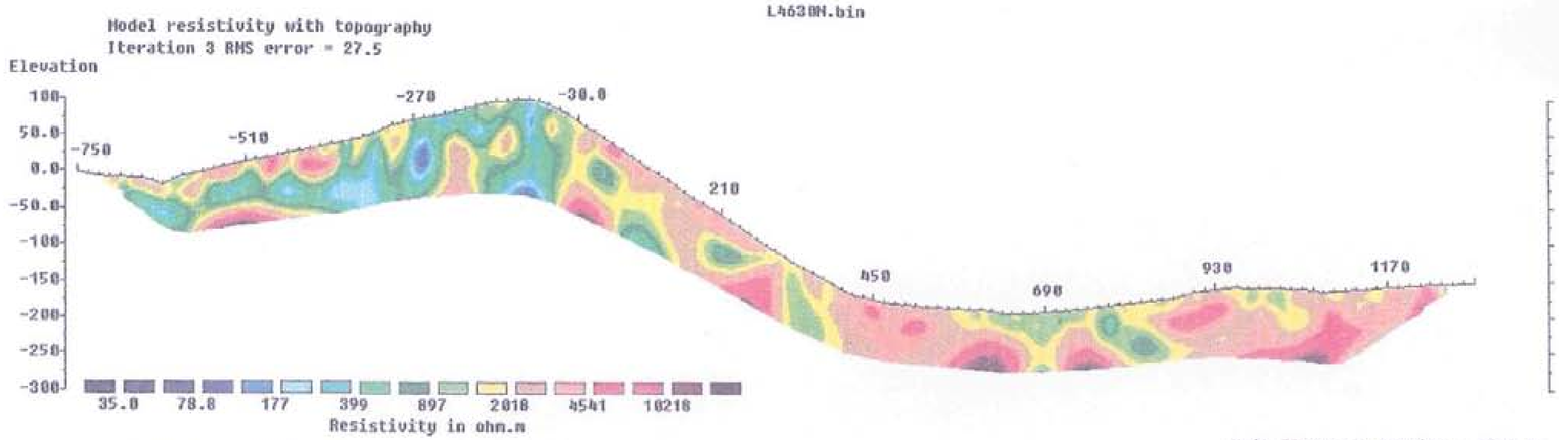
Line Direction: Grid East (060E deg)
Pseudosection Plotting Method
SELF POTENTIAL (SP)
MAGNETIC (Base = 58,000 nT)
Intrusive?
Creek
Fault?
Creek
APPARENT RESISTIVITY
APPARENT CHARGEABILITY (IP)
I
II
III
IV
V
VI
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
(metres)
(feet)
GEOTRONICS SURVEYS LTD.
SURREY BC.
Survey date: September 2004
GEOTRONICS SURVEYS LTD.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SAUNDERS GRID
TOODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTIONS
WITH SELF POTENTIAL & MAGNETIC PROFILES
LINE 51+00N
Drawn by: DGM
Job No: 04-11
NTS: 94E
Date: Sept 04
Fig No: GP-3

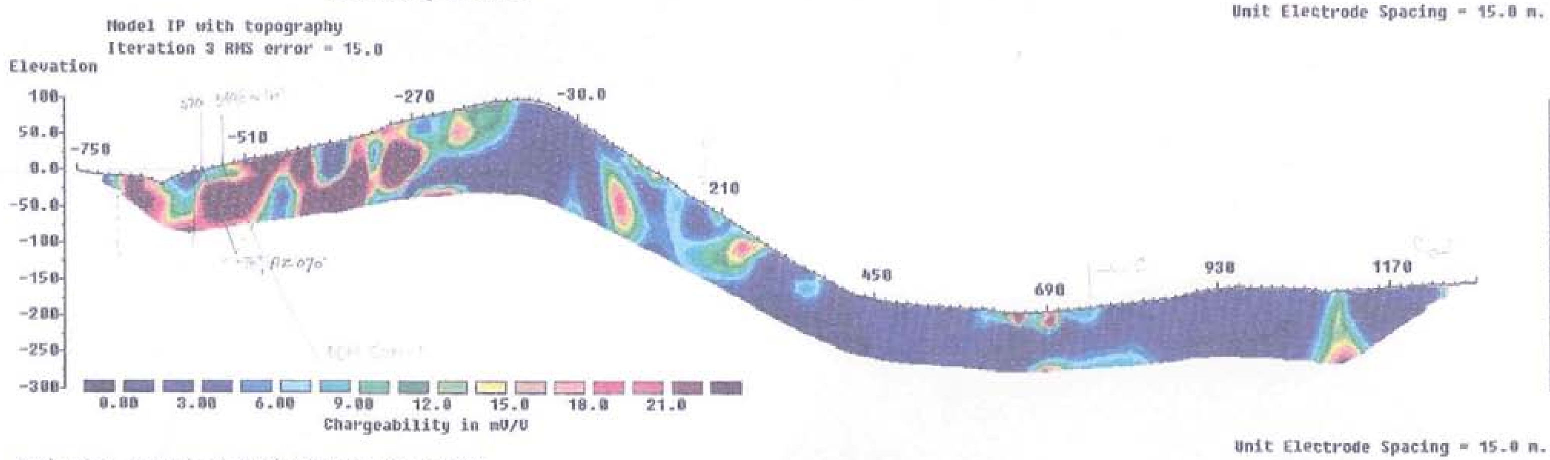


Line Direction: Grid East (060E deg)
Pseudosection Plotting Method
n=1
n=2
SELF POTENTIAL (SP)
MAGNETIC (Base = 58,000 nT)
Intrusive?
Creek
Creek
Intrusive?
APPARENT RESISTIVITY
II III IV V VI
APPARENT CHARGEABILITY (IP)
I III IV V VI
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
(metres)
(feet)
GEOTRONICS SURVEYS LTD.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SAUNDERS GRID
TOODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTIONS
WITH SELF POTENTIAL & MAGNETIC PROFILES
LINE 51+50N
Drawn by: DGM
Job No: 04-11
NTS: 94E
Date: Sept 04
Fig No: GP-4
GEOTRONICS SURVEYS LTD.
SURREY BC.
Survey date: September 2004

APPENDIX II

IP AND RESISTIVITY SECTIONS FOR SOM GRID





Horizontal scale is 8.82 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at -750.0 m.
Last electrode is located at 1290.0 m.

INSTRUMENTATION

IP Receiver	BRGM IRIS ELREC 6
IP Transmitter	BRGM VIP 4000
IP Generator	6.5 kWatt Honda

IP SURVEY PARAMETERS

Survey mode	Time Domain
Array	Dipole-Dipole
Dipole Length	30 meters
Dipole Separation	n=1 to n=12
Delay Time	240 ms
Integration Time	1000 ms
Charge Cycle	4 second square wave
Survey Date	September 2004

GEOTRONICS CONSULTING INC.

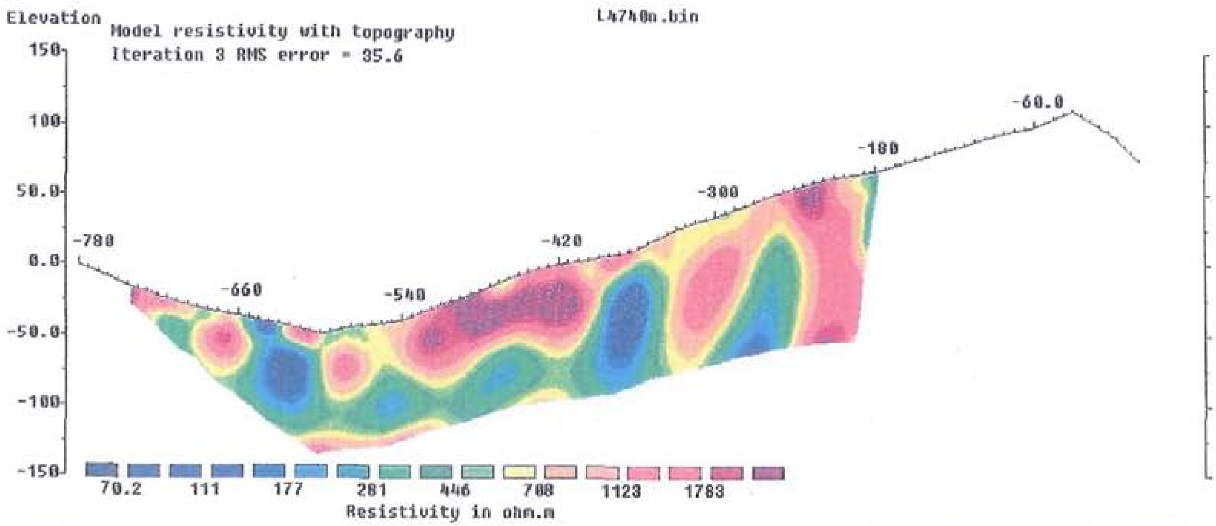
GOLDEN DAWN MINERALS INC.

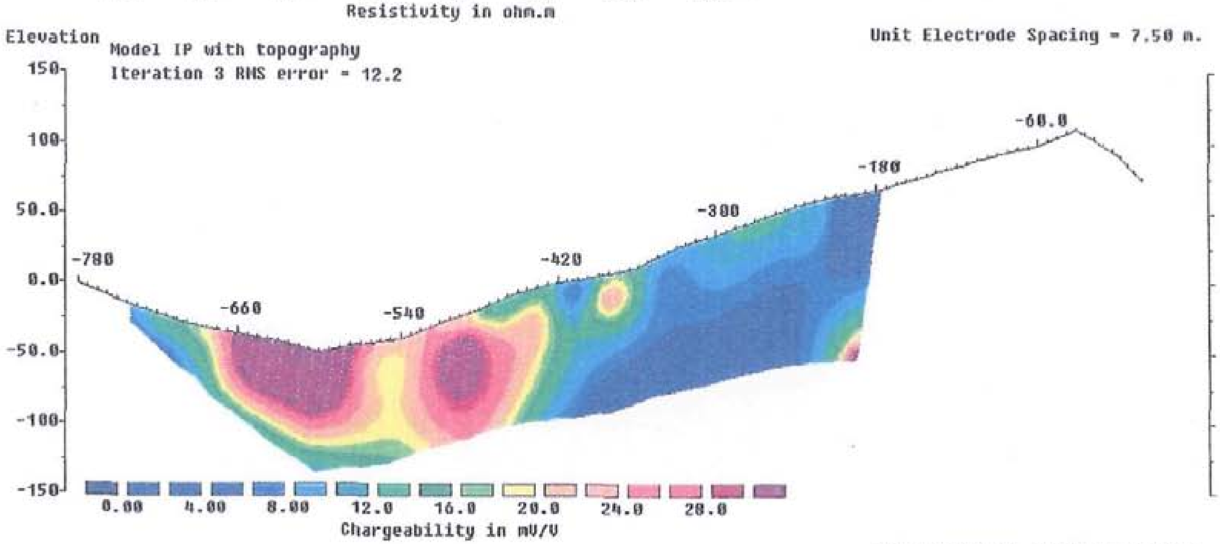
SWAN CLAIM GROUP - SOM GRID

TOODOGGONE AREA, OMINECA MD, BC

IP and RESISTIVITY SURVEYS
GEOTOMO INVERSION
LINE 4630N

DONE BY:	JOB NO.:	NTS:	DATE:	FIG NO:
DGM	07-13	94E35	SEPT 07	GP-11





Horizontal scale is 8.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at -780.0 m.
Last electrode is located at 30.0 m.

INSTRUMENTATION

IP Receiver	BRGM IRIS ELREC 6
IP Transmitter	BRGM VIP 4000
IP Generator	6.5 kWatt Honda

IP SURVEY PARAMETERS

Survey mode	Time Domain
Array	Dipole-Dipole
Dipole Length	30 meters
Dipole Separation	n=1 to n=12
Delay Time	240 ms
Integration Time	1800 ms
Charge Cycle	8 second square wave
Survey Date	September 2004

GEOTRONICS CONSULTING INC.

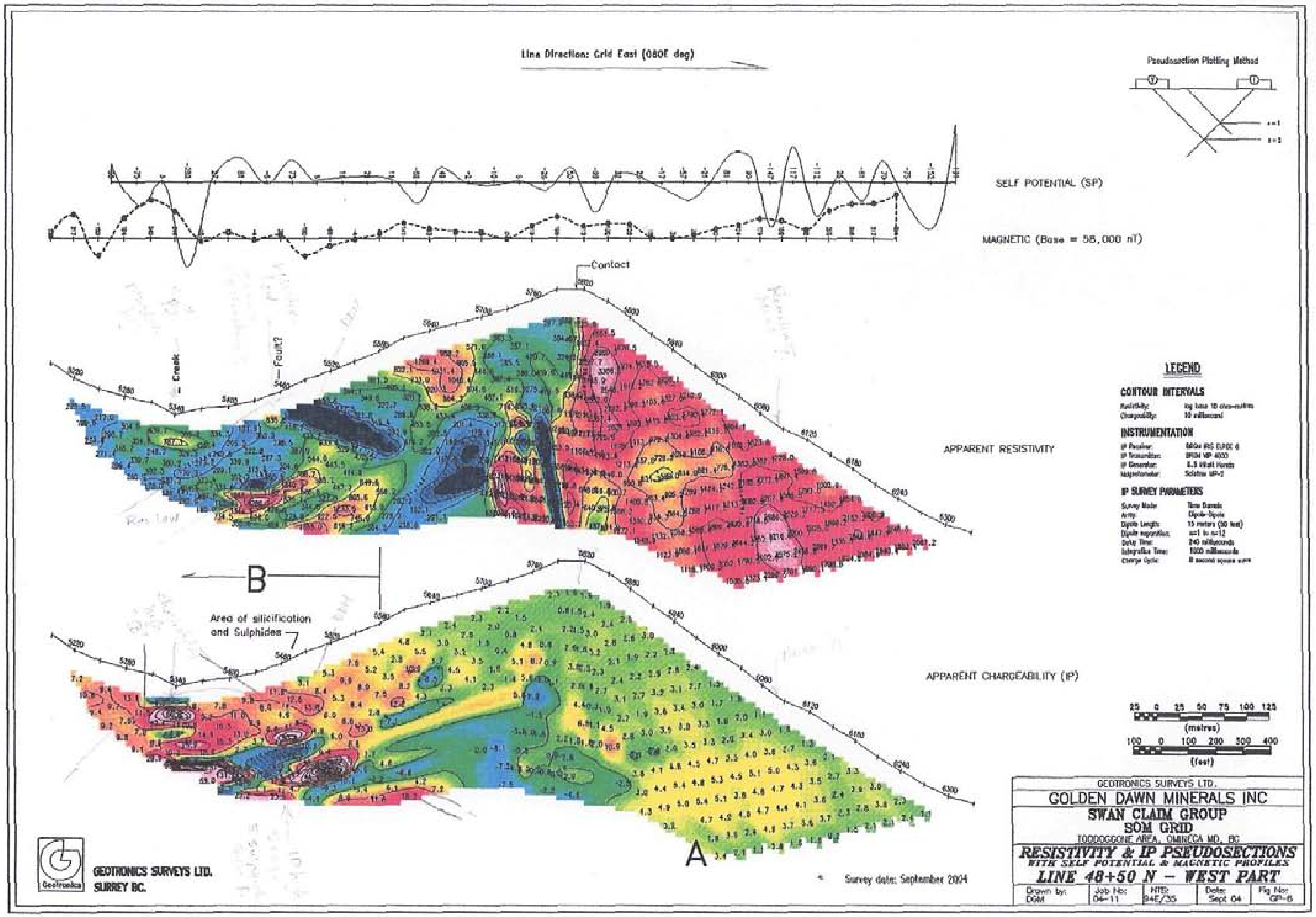
GOLDEN DAWN MINERALS INC.

SWAN CLAIM GROUP - SOM GRID

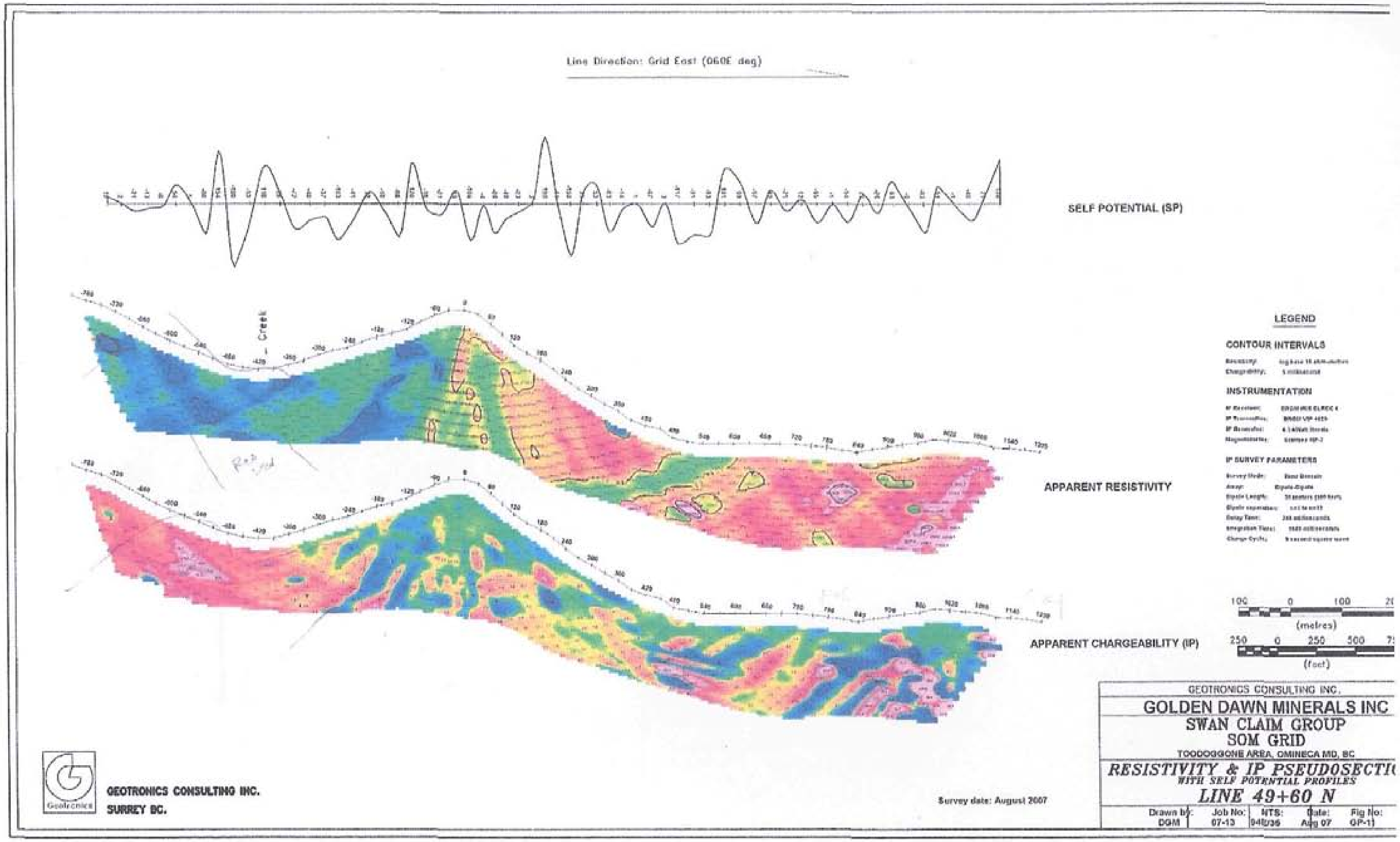
TOODOGGONE AREA, OMINECA MD, BC

IP and RESISTIVITY SURVEYS
GEOTOMO INVERSION
LINE 4740N - WEST PART

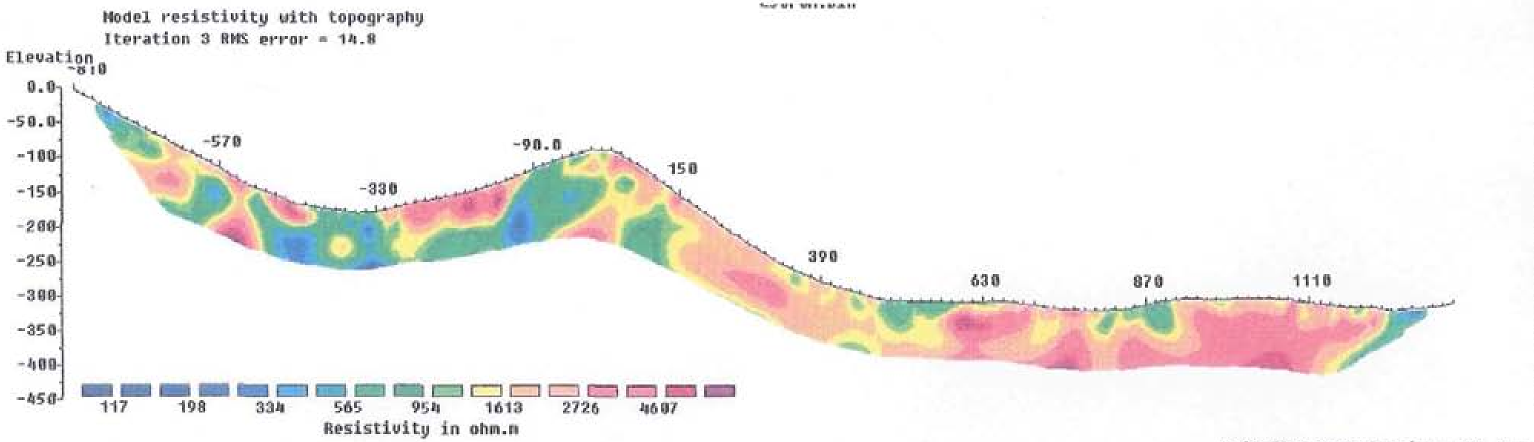
DONE BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	07-13	94E35	SEPT 07	GP-12

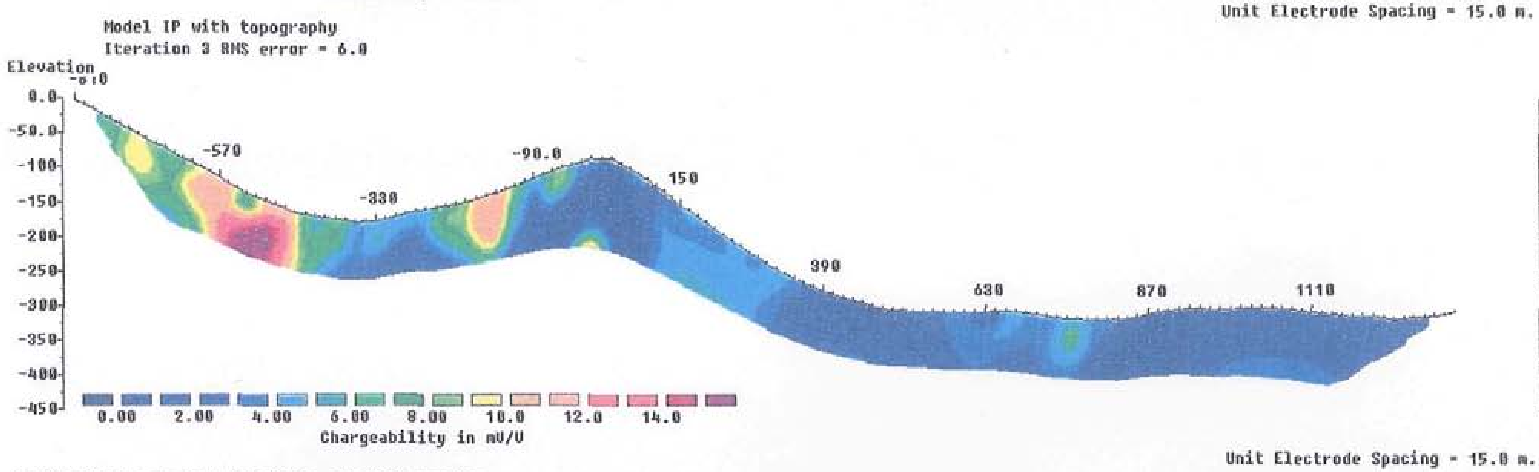


Line Direction: Grid East (080E deg)
Pseudosection Plotting Method
SELF POTENTIAL (SP)
MAGNETIC (Base = 58,000 nT)
Contact
Creek
Fault?
APPARENT RESISTIVITY
B
Area of silicification and Sulphides
APPARENT CHARGEABILITY (IP)
A
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
(metres)
(feet)
GEOTRONICS SURVEYS LTD.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SOM GRID
TODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTIONS
WITH SELF POTENTIAL & MAGNETIC PROFILES
LINE 48+50 N – WEST PART
Drawn by: DGM
Job No: 04-11
NTS: 94E/35
Date: Sept 04
Fig No: GP-6
GEOTRONICS SURVEYS LTD.
SURREY BC.
Survey date: September 2004



Line Direction: Grid East (060E deg)
SELF POTENTIAL (SP)
Creek
APPARENT RESISTIVITY
APPARENT CHARGEABILITY (IP)
LEGEND
CONTOUR INTERVALS
INSTRUMENTATION
IP SURVEY PARAMETERS
(metres)
(feet)
GEOTRONICS CONSULTING INC.
GOLDEN DAWN MINERALS INC
SWAN CLAIM GROUP
SOM GRID
TOODOGGONE AREA, OMINECA MD, BC
RESISTIVITY & IP PSEUDOSECTI
WITH SELF POTENTIAL PROFILES
LINE 49+60 N
Drawn by: DGM
Job No: 07-13
Date: Aug 07
Fig No: GP-1
GEOTRONICS CONSULTING INC.
SURREY BC.
Survey date: August 2007





Horizontal scale is 8.44 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at -810.0 m.
Last electrode is located at 1320.0 m.

INSTRUMENTATION

IP Receiver	BRGM IRIS ELREC 6
IP Transmitter	BRGM VIP 4000
IP Generator	6.5 kWatt Honda

IP SURVEY PARAMETERS

Survey mode	Time Domain
Array	Dipole-Dipole
Dipole Length	30 meters
Dipole Separation	n=1 to n=12
Delay Time	240 ms
Integration Time	1800 ms
Charge Cycle	1 second square wave
Survey Date	August 2007

GEOTRONICS CONSULTING INC.

GOLDEN DAWN MINERALS INC.

SWAN CLAIM GROUP - SOM GRID

TOODOGGONE AREA, OMINECA MD, BC

IP and RESISTIVITY SURVEYS
GEOTOMO INVERSION
LINE 5070N

DONE BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	07-13	94E35	SEPT 07	GP-12

APPENDIX III

Drill Logs for Saunders S-07-01 to S-07-07 Drill Holes

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
0.0	2.2	overburden						
2.2	**150.0**	Dacitic Ash Flow Tuff (TS)						
2.2	3.0	Csg. Fresh Dacitic Ash Flow Tuff (TS chips, angular chunks recovered					fr with lim. coating; fr with lim.	30 30
3.0	4.0	Fresh daft. Bocky fracturing						
4.0	4.15	15cm of coarse 3.0-5.0mm feld clsats aligned at 50º CA - no sulph.						
5.3	6.0	ground core - no record						
6.55	6.95	Silty sand- type material recovered. Probably Fault						
7.0	7.5	Bleached, altered dacite, no sulp partly gn core, no qtz						
8.0	9.0	fresh blocky fracture TS						
9.9	10.0	Mod. Clay altered TS one thin qtz vn	9.9		1	vn	qtz vn	45
10.0	11.0	Mod clay altered TS Blocky broken core with about 70% lost or ground core						
11.0	12.0	very weekly altered TS broken core with only 30% recovery. Gr core @ 11.5m						
12.0	13.8	12.0-13.8mostly gr. And lost gcore only 20% recov of pebble and 5.0cm size pieces. No fault gouge or qtz vein in rubble. Locally quite dk gy TS; no veins						
14.3	14.7	Mod clay altered zone with quartz carb veins	14.6	14.9	3	vn	qtz cb; ksp	40
15.0	16.0	wk-mod clay altered TS	15.9		2	vn	qtz-cb network of vn	30
16.0	17.0	wk clay altered TS	16.1	16.3	2	vn	qtz carb, mo	40
18.2	18.3	Cal healing bx TX at 20-30º CA no alt.	18.5	18.9	2	vn	qtz-kspr	20
19.1	19.95	Very intensely clay altered TS with diss py, no qtz vn	19.05		1	vn	carb	35
20.0	21.0	fresh to very weakly clay altered	20.3	20.4	2	vn	carb; qtz cb vuggy + lim fr	40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
21.1	21.95	Highly broken crumbly core, mostly ground with only 24% recov. 1.0cm of gy fault gouge in core	20.05	21.9	2	vn	qtz - cal	50
22.0	23.0	Fresh to v. weak altered TS	22.05	22.5	2	vn	qtz-cal	50
23.0	24.0	very uniform unalterd TS	23.1		1	vn	cal	30
24.0	28.0	uniform unaltered TS						
28.0	29.0	rock is weakly oxidized, orangy colour	28.8	29.0	1	fr fill	py, mag, lim along fract.	45
29.1	29.4	finer grained band of tuff in TS at 5º CA; 40-60cm wide band; no min						
31.05	32.20	Several lim coated fractures and dacite host is	31.1	31.8	3	vn, fr	qtz - chl, lim coated	25,60
34.5	**35.0**	major fault - gg and soft dk gy brecciated dacite? Laced with 1.0 mm qtz and calcite veinlets	34.2	35	3	F, vn	3-5mm gg, cal; lacework qtz, cal	60, 50
35.0	36.0	soft partly bx, fr and altd footwass of above fault. Two narrow 1-3mm gg; k-par altd TS with network of 1-3mm qtz vn	35.6		2	vn	qtz-chalcedonic qtz vns	60, 40
36.0	37.15	Perv K-spr altd zone with qtz-py-chl (bio) vns diss. Py in K-spr; 20cm Kspr env. On shredded qtz-bio vn	36	36.5		vn	many qtz, py, cp veinlets	
37.6	38.0	v. weakly k-spar altd TS with 4cm dk clasts	37.05	37.8	4	vn	qtz-py; qtz cal; bx qtz, py bio	
38.0	38.95	Dacitic rock is dk gn-gy possibly due to bio, or chl altn. Several thin qtz veinlets	38.2	38.8	2	vn	qtz	55
39.4	40.35	brecciated qtz veins eith k-spar altn; one 2cm wide bx-qtz-py with four .5-2cm wide qtz py supporting veins (Sunders A zone?)	39.5	39.8	2	vn	bx qtz-py (cp) 3cm vn; 7cm bx qtz py	45
40.35	41.0	essentially fresh TS minor bio/chl altn	40.25	40.8	2	vn	3 mm qtz cal py	35
41.2	41.6	Gr core blocky in weakly bio/chl altn	41.2	41.7	2	vn	qtz; qtz bx with minor py	
42.0	43.0	dark coloured bio/chl altd TS	42.3	42.95	2	vn	qtz cal	35

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
43.8	44.0	dacite with 5mm plag clasts	43.5		2	vn	qtz	40
44.05	46.0	fresh to light buff gry phase (sericite)	44.95		2	vn	cal	35
46.2	46.5	mod clay altd zone around qtz veining	46.1	46.9	3	vn	qtz; qtz cal	45
47.0	48.0	fresh unalt TS	47.7		1	vn	qtz	25
48.7	49.0	Short section of dk TS prob bio/chl altd, several wispy thin qtz vn	48.15	48.7	3	vn	cal with minor qtz	25
50.0	51.0	hard unalt'd TS 1-2% diss mag with very minor diss py xls	50	50.9	2	vn	barren qv	25
51.1	51.9	intense K-spar altn zone - one thin qtz vn; no sulph	51.1	51.8	2	vn	qtz	25
53.2	53.5	k-spr env. Assoc with cluster of barren qtz vns						
54.2	55.0	Blocky core with several flat fr. In fresh TS; Gr core						
55.0	57.3	Gr. Core - 33cm core recovered; unaltd TS; quite dk a finer grained Ser. and poss. bio altered TS. Note several 4-10cm subrounded granitic clasts in TS matrix.	55.1	56.9	2	vn	cal (qz)	40; 30
57.3	59.7	Ser. and k-spr altd TS; locally finer grained sections of TS	57.3	58.8	3	vn	cal, qtz	60; 50
59.3	59.4	7cm poorly banded qtz vn minor small vugs; tiny wisps of galena in gy streaks or ribbons in qtz. Band of later with qtz on frc. No py or cp	59.1	59.3	2	vn	cal; qtz (gn) w kspr env.	60; 70
60.1	60.9	Large 25cm very dk porph basalt clast in TS; two thin cal. veins in basalt clasts; kspar altd TS; orangy colour, also ser altn no sulph						
61.0	63.0	unaltd TS	61.2	62.5	3	vn	qtz (cal)	90
63.8	65.10	Dk bio/chl altd TS occasional large felsic and v. dk volc rock.	63.6		1	vn	qtz (ser)	35
Lithology/Alteration			Mineralization					

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
65.7	66.2	Very intense ser. minor k-sp altd zone	65.15	65.8	3	vn	qtz py with ser. evel.; cal	40
67.8	69.0	Mos-intense ser and clay altd TS	67.5	69.0	3	vn	cal; qtz py gn st cal	30
69.0	70.4	unaltd TS	69.2	69.5	2	vn	qtz cal	30
70.1	72.0	.8 cm qtz vein with abundant Mo, galena and pyrite with 3cm qtz ser py envelope on HW. 70.4-72.5 weak -mod ser altd TS in addition to recorded qtz veins there are many hairline type qtz veinlets.	70.3	70.8	8	vn	cal; cal chl, qtz; qtz, mo, gn (sp)	40;60
72.5	73.0	intense ser, mod clay and kspr altd TS	72.5	72.8	2	vn	qtz (cal) (py) ser envel.	45
73.0	75.9	Quite dark weakly ser. Possibly chl or bio altd TS. A network of very thin hairline type qtz veinlets saces the rock unit; no sulph noted. Some white veinlets are cal.	73.5	74.05	2	vn	qtz py blk soft coating; cal+qtz (py with ksp env.	30
75.9	78.0	Dark coloured TS with local kspar altd zones and env. Locally zones of ser altd TS are light grn gy colour	75.2	78.05	8	8-vn	qtz; cal (qtz); qtz (py); qtz bio	30; 60
78.0	80.2	Major Qtz Vein Zone. 78.1-78.6=40cm brecciated qtz vn with minor py, cp and specks of galena @ 40º to CA	78.1	78.8	2	vn	bx qtz (py cp gn) vn; qtz (py)	40
80.2	80.85	ksp altd TS	80.1	80.5	3	vn	bx qtz blk-qtz 9py)kspr env	40
80.9	81.2	k-sp zone bounding barren 0.5cm qtz vn	81.05	82.2	3	vn	barren qtz vn; qtz (py)	90;40
82.3	7.5	Unalt Ts locally some thin ksp envl	82.8	87.5	11	vn	barren qtz; cal; qtz py; ksp	60;40
88.0	88.3	8cm bx qtz vn (py-cp) gy-qtz or chalcedonic qtz with kspar + ser env.	88.1	88.2	1	vn	bx qtz-py (cp)	65
88.3	89.0	Breccia zone or very coarse clastic debris flow; no sulph						
89.0	91.5	Weakly k-sp ser altd TS; 1cm partly gr int ser altd TS with qtz-py veinlets (this could be cave material)	89.2	90.5	4	vn	cal; qtz py	40
91.4	92.3	Intensely ser altd TS with local sections of clay	91.4	91.9	3	vn	qtz py; chalced qt	60;30
92.9	93.1	Silicification over printing ser and k-spr	92.3	97.85	3	vn	qtz-py with kspar env; py gy qtz	40;70

From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
93.0	93.25	One 3cm qtz-py vein with assoc stringer veins in HW and FW within sil and kspr altd zone	93.1		1	vn	qz py-gy qz bands	75
93.3	95.6	Unaltd Ts	94.4	95.2	3	vn	qtz chl (py) with Ksp env; barren qtz	40;55
95.6	99.35	Light colour phase of weakly ser altd TS. Very solid core with very little veining	97.1	98.2	2	vn	cal-qtz-chl no sulph; cal	25;30
99.35	106.2	Weakly ser altd local k-sp envel in TS	99.35	105.8	9	vn	9 vns; cal; cal qtz (py) kspr envel	40;60
106.3	106.65	Intnse Ksp alt'd zone with narrow 3-4 mm qtz bio py (cp) veins and veinlets	106.3		1	vn	qtz- bio (py) x2 ksp env	40;50
106.65	107.3	wk ser altd TS	107.0		1	vn	calqtz	30
107.3	110.1	Light coloured phase TS	107.4	109.5	4	vn	cal; qtz- cal	60;30
110.1	111.5	Dark slightly finer grained phase of TS. Poss dk colour imported by bio/chl	110.3	111.3	5	vn	cal; qtz cal; ksp env; (py)	30;60
111.5	114.1	unaltd TS	111.8	114.0	4	vn	cal; qtz cal (py); barren qtz; kspr env	60;50
114.1	115.3	Wk ser and local ksp altd TS	114.2	115.0	4	vn	qtz; cal, qtz-cal-py with kspr env	30;60
115.3	128.0	Unaltd TS - very competent solid core; very few veins	116.1	127.3	19	vn	17 vns; qz - cal (py); cal	25;60
	119.8	Two large sub rounded felsic and granite clasts						
	122.1	122.1-122.4 One coarse eq pinkish QM clast						
	126.8	126.8-127.1 Blocky, core some last core						
128.0	128.5	Very dk almost black fine gr to vfg bio/chl? altd TS. Lasework of varren qtz vn	128.0	128.5		vn	1mm thick qtz veinletts	
128.5	129.7	Very weakly ser. altd TS	129.5	129.7	2	vn	qtz cal; qtz py bands gy qtz	30;80
129.7	136.0	Mixed zone/ section of veins with ksp altn and some veins with light gy sil zones. Also qtz- ser py envel and k-sp (py) envel on veins.	130.1	136	10	vn	qtz-bio (py) with ksp; qtz; barren qtz vn; qtz cal (py; kspr envel	30;70
Lithology/Alteration			**Mineralization**					

From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
	133.3	133.3-135.0 - Blocky core probably due to chl (cal) coated shallow angle fracs. Well altd but very few veins; fine diss py						
136.0	138.3	Intensely silicified poss sericitized locally bx TS	136	138	5	vn	qtz chl bio (py) (cp); white qtz - wispy chl	75;80
	134.2	134.2-134.4 - Bx zone with 1.0cm curved med gy chert or chalcedonic band X-C bx						
	138.0	138.0-138.3 - Major Fault 0.8cm gg and bx frag HW contact at 60º and few 45º. 20cm qsp env on FW of fault						
138.3	143.4	Intensely sericitized and locally silicified TS	139.1	143	10	vn, bx	white qtz; qtz-py with kspr envel; banded gy qtz (py)	30;60
	141.5	Three 4mm-2cm thick gy qtz (py) veins with intensely ser py altn between veins						
	142.5	7cm bx zone healed with sil. (py) chl and ser with intense crackled k-sp zone in few (15.0cm) qtz cal filling						
143.4	148.8	Pale buff - coloured unaltd TS	143.1	150	8	vn	white qtz; qtz cal; cal; colloform thin qv; q py with ksp env	5;25
	149.0	148.95-149.2 - Black rock tiny white plag amyg or phenos. Also inclusion of light to dk gy angular frag No sulph. Prob an assimulated frag or could be a basaltic dyke - highly magnetic						
	150.0	**EOH**						

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
0.0	2.0	Overburden - mostly talus debris and broken highly fractured subcrop						
2.0	3.0	Csg in broken partly ground Dacitic ash flow tuff (TS)weakly sericitized no veins, no sulphides						
3.0	7.7	Unaltered TS; Many frac with limonitic coating; no sulph						
7.2	9.0	Orangy coloured partly oxidized TS with weak perv ser. Rock is still hard. No veins; core quite blocky						
9.0	14.2	Section of mixed intervals of Unaltd TS and short 10-30cm oxidized TS. Very blocky core in quite highly frac rock with some lim coated fr.	9.8	13.8	3	vn	cal; vuggy qtz lim coating; qtz	30;50
14.2	16.1	Unaltd TS with two short 5cm intrvals of int ser altd zones	14.5	15.2	3	vn	cal with 3cm ser envel; cal vn; cal (qtz)	25;50
16.1	18.7	Mixed unalt'd TS and short intervals (15-20cm) of intense ser alt'd zones that generally host small qtz veins. I.e. ser alt'd zones are comparatively wide envelopes	16.15	18.2	4	vn	qtz vn; no sulp; cal; think qtz vn	35;70
18.7	20.15	Pale buff coloured TS still very hard; wk ser alt'n poss some k-sp alt'n. This altn zone with thin qtz-py veinlets could represent the mineralized zone 5m west of the drill collar.	19.0	19.8	2	vn	wavey qtz-py vuggy vn; wavy and pinch/swell qtz py vn	5;30
20.15	25.0	Unalt'd TS - several short 5-10cm intervals of buff coloured alt'd TS	20.4	24.7	6	vn	qtz-cal; qtz vuggy, lim coated w minor py diss;	0;30
	21.4	21.4-21.75 - med ser alt'd zone - no sulph no vn						
	24.5	24.5-27.2 - Blocky core - minor lim coating on some fractures.						

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
25.0	26.7	Mixed unalt'd TS and buff coloured altd zones; 26-26.6 are Two 10-15cm orangy buff altn zones with thin qtz vn and may represent mineralized zone 5m west of collar	25.1	26.6	4	vn	gossanous qtz vn, no vis sulph; wavy qtz vn in 10-15cm alt'd zone	30;90
26.7	33.6	Uniform Unalt'd TS	27.4	32.0	5.0	vn	qtz vn, no sulph; qtz with ser? Or chl? No sulph	30.0
	30.9	30.9-31.09 - Coarser 5mm size plag clasts in TS impartin slightly lighter coloured phase.						
33.6	35.8	Mod int sericitic alt'd TS	33.65	33.85	5	vn	qtz vn, bx healed with qtz, lim coated fract; cal; .5cm fault gg	25;80
35.8	38.9	Very intensely sericite and clay alt'd TS with four major brecciated veins centered in altn zones	35.9	41.4	6	vn	gouge; bx qtz vn with ser-py gn in filling over 130cm bx vn	35;50
	37.0	37.0-38.35 - Intense qtz-ser-py alt'd zone					barren qtz vein with Ksp-py env.	45
	38.5	Major Fault zone - 2-3cm fault gouge in very crumbly intense clay -ser alt'd zone						
	38.9	almost 40cm fault gouge mostly washed out						
39.0	43.4	Saunders A Vein System						
	39.2	15cm true width brecciated qtz vein with ser-py (cp) in filling gy qtz frag wall rock between two brecciated qtz veins is also brecciated				vn		30
	40.4	Approx 40cm true width brecciated QV with heterogeneous mixture of alt'd wallrock gy-black cherty frag cemented together by later white colloform silica/qtz, py grains in matrix and as diss grains in fragments. Minor cp. Continuation of Major Bx QV						30

Lithology/Alteration Mineralization

From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
	40.9	40.9-41.8 - Intensely ser-py alt'd zone	40.6	40.9	2	vn	iregular 1-3cm bx qtz vn, minor py; 2cm true thickness.	30;45
43.4	60.2	Very uniform hard unaltered Ts; very few veins	46.1	59	19	vn	qtz py ser; cal; barren qtz	20; 60;30
	44.0	44.0-45.0 - blocky fracturing						
	52.0	52.0-55.2 - blocky core						
	58.3	58.3-58.6 - Light buff coloured TS K-spr alt'd						
	59.95	59.95-60.1 - Coarse equigranular clast						
60.2	62.8	Mixed unalt'd TS and short intervals of mod K-sp/ser alt'd zones	60.3	62.3	4	vn	vuggy qtz vn (py); cal; thin qtz vn	15;35
	62.8	30° and 20° braqnghing qtz (py) veins with k-sp env.						
62.8	67.95	Unalt'd TS; very few veins	64.8	67.9	6	vn	wavy qtz vn no sulph; qtz (py)vn; qtz bio; +- ksp env	0;30
67.95	68.5	Mod int k-sp ser bio/chl alt'd TS with qtz py (cp) veinlets	68	68.3	2	vn	qtz (py, cp)vn + qtz (py)	10;50
68.5	70.3	Unalt'd TS		69.5	1	vn	qtz (py)	60
70.3	71.1	Wk - Mod ser & k-sp alt'd TS; Pale buff gy colour - no veins only wispy thing qtz veinlets						
71.1	73.1	Unalt'd TS locally short intervals of wk ser and k-spr alt'd zones	71.55	72.7	2	vn	qtz ser py	45;60
73.1	75.0	Mod swer & k-spr alt'd TS	73.4	74.6	3	vn	qtz py; with QSP envel	30;60
75.0	78.1	Unalt'd TS; very few veins	76.5	77.9	2	vn	cal; qtz vn	20;30
78.1	78.7	Mod Int K-sp and ser alt'd TS; diss py in alt'd zone		78.4	1	vn	qtz py (gn) (col band)	50
78.7	85.3	Unalt'd TS - very uniform med gy compentent core with very few veins	81.8	85.1	6	vn	qtz py; varren qtz vns; cal	15;55

		Lithology/Alteration	Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
		NOTE: Box 15 (81.6 - 87 was dropped; 90% of corew pieces have been placed back in order						
85.3	87.2	Unaltd to weakly ser alt'd TS. Weak clay alt'n 204mm creamy qtz (col) vn runs right down axis of core from 85.3- 86.6. Very fine py xls along parts of vein margin	85.3	87.0	2	vn	qtz py vn with 1.0 cm QSP env; qtz (cal) (py)	40; 0
87.2	90.5	Mixed unalt'd and mod ser and k-sp alt'd TS	87.8	89.8	3	vn	qtz; (py, Mo bx)	5;70
	87.8	2cm banded qtz gy qtz vn with py (Mo) with 3cm QSP env						70
	88.8	2cm brecciated wallrock with dk gy qtz py infilling to defeiopas a vein-like structure						30
	89.8	2-4mm qtz (py) vein with fine py along margin						5
90.5	93.0	Mod-int ser/chl and k-sp alt'd TS. Very thin 2mm veins and veinlets developed as orientated mesh donw CA	90.5	92.8	2	vn	white qtz vn; barren qtz vn	0;50
93.0	94.9	Very intensely swer clay and chloritic alt'd TS	93.4	93.8	1	vn	black chl and white qtz vn	30;40
	93.4	Major Vein Zone - main vein mainly black chl and white qtz shredded bands with HW at 30° and few 40°. Minor diss py vien is 3-4cm thick wedge; second vein is erreg bx wall rock healed with qtz (py and chl at 50° with thickness varying from 2-4cm. Third 1-5mm qtz, py chl vein branches from bx qtz at 0-5° to CA						
	94.2	94.2-94.8 Mesh of thin qtz veins					2-3mm qtz vn	30
94.9	99.2	Med-int swer and k-sp alt'd Ts	95.05	99.1	7	vn	qtz bands chl (py); baren qtz; poorly dev bx; qtz banded gy qtz and chl	35;80

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
	97.8	25cm brecciated wall rock healed with dk brown matrix and chl/ser with 5-7% py. No qtz filling						50
	98.2	seven 1-3mm white qtz veins and mesh of additional veinlets						40
	99.6	qtz banded gy qtz and chl with qtz ser py env on FW						50
99.2	105.2	Unalt'd TS - 99.4- 99.9 blocky core; very few veins	99.8	104.7	8	vn	thin qtz vn; qtz-cal no sulph; cal vn	20;40
105.2	110.8	Unalt'd TS. Local short intervals of ser/k-sp altn. Very few veins						
	105.5	105.5-105.8 Intense ser k-sp alt'd zone	105.5	106	1	vn	Two 60° qtz py veins at	60
	109.2	109.2-109.5 - Short interval med to intense ser and k-sp altd zone; branching 3mm-1cm swarm of qtz veins over 4cm interval with int ksp altd assoc and 20cm mod kspr ser altd zone in FW					qtz (py)	60
110.8	124.5	Very hard competent unalt'd TS that has distinctly larger 205mm lag clasts. Very few veins developed	114.5	124	16	vn	cal; qtz p; ksp env; barren qtz; qtz chl bands; cal	0;35
	121.2	121.2-121.4 - Mod K-sp alt'd zone						
	121.7	121.7- 121.8 - Intense k-sp alt'd zone						
124.5	127.5	Weak ser alt'd TS	124.6	127	5	vn	qtz py vn with 5mm QSP env; cal; qtz py with blk qtz bands	20;60
127.5	130.8	Mixed zone of weak- mod ser alt'd TS and intense ser alt'd TS	127.8	130	3	vn	blk gy qtz band with light gy	15;25
	128.9	128.9-129.7 Intense ser alt'd interval						
130.8	132.5	Intense ser altd	131.4	133	7	vn	bx qtz vn with cal - fill no sulph; barren colloform qtz vn; carb vn.	25;80

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
132.5	139.1	Unalt'd TS with short mod - int alt'd intervals	132.9	138.5	7	vn	qtz chl py vn; cal; qtz (py) chl bands	10;30
	136.7	136.7-137.2 Mod - intense ser altn						
139.1	144.0	Mod ser/ksp altd TS	139.1	143.0	6	vn	Vuggy qtz vn; qtz bio (py)	10;60
144.0	144.5	Intense ser sil zone; minor py diss in pale siliceous altn zone		144.2	1	vn	gougy fault material 3cm	60
144.5	150.0	Wk k-sp/ser alt'd	145.2	150	8	vn	barron qtz vn; carb vn	15;60
	150.0	EOH						

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	3.0	overburden - talus blocks, Saunders dacitic tuff					diss py + FEOx on fracts	
3.0	8.0	TS dacite crystal tuff with diss py; broken core, poor recovery			3	diss	diss py , qtz veinlet fragments	
8.0	10.0	TS dacite crystal tuff, diss py, shear zone 8-9m, qtz-ksp-chl-epid			10		qtz-ksp veinlts, sheared brecciated	
10.0	11.0	TS dacitic crystal tuff, shear 10-10.5 qtz-ksp-chl veins 1-2cm, chl, epid-py			15		qtz-ksp-chl veins, sheared breccia	20
11.0	12.0	TS dacitic crystal tuff, shear 11.5-12			10		qtz-ksp-cal-chl veins, to 4cm	
12.0	13.0	TS dacitic crystal tuff, bx'd, mineralized shear			12		veinlets, qtz-ksp ± carb chl-epd host	
13.0	16.0	TS dacitic crystal tuff, qtz-ksp einlets at 10			8		veinlets, qtz-ksp ± calcite; clacite host	
16.0	17.0	TS dacite crystal tuf. Silicified + pyrite on fractures and disseminated			7		diss py + py on fract's	
17.0	20.0	TS dacite crystal tuff. Silicified to 17.8 clay-sericite alteration to 18.6.			12		qtz-calc-chert veins; up to 5cm; jasper veinets - 19.6-20.0	
20.0	22.0	lamin qtz-calc- chert veins at 70°; pervasive silcif'n			9		lamin qtz-calc-chert ± py veins and jasper vnts	70
22.0	27.0	TS dacitic crytal tuff, hb + plag phenos unaltered			7		Veinlets qtz-ksp-calc diss + fract py	
27.0	32.0	TS dacite hb- ksp crystal - lithic tuff; small qtz, qtz-kspr veins at 45°			9		qtz, qtz-py veinlets + diss py	45
32.0	34.0	TS dacite crystal lithic tuff, qtz±py vnlts ± chert			7		minor silic'n adj qtz veins; 10c qtz-ksp-frothy qtz vein	
34.0	37.0	TS dacite crystal tuff; silicified from 34-36m			8		minor qtz-py vnlts	
37.0	42.0	TS dacite crystal tuff lamn qtz-calc-chert at 45°,			8		py in fracts, jasper vnlts at 39m	
42.0	45.0	TS dacite crystal tuff, silicified at 43			7		qtz vnlt + 1.5cm sil-ser-py envelop at	45
45.0	48.0	TS dacite lapilli tuff; qtz-ksp vnlts			10		1cm qtz py enveloped qtz vn at 45.6	55
48.0	50.0	TS dacite crystal tuff. Fractures and mineralized qtz-py ± znS? From 49-50			12		qtz-py ± sph + QSP envelopes from 49-50	60

Lithology/Alteration			Mineralization					
From (m)	61		From (m)	To (m)	Size	Mode	Description	CA
50.0	53.0	TS dacite crystal tuff. Stockwork qtz py-ksp QSP pervasive			16		4x qtz-py±sph 1-2cm wide QSP envelope, perv ser in sheared rock	
53.0	56.0	TS dacitic crystal tuff; minor chl-epidote			20		3x qtz-ksp ± chl veins at 20, 35, 40 to CA	20;40
56.0	59.0	TS dacitic crystal tuff - fresh			30		5x qtz-ksp±cal veins ±py	25
59.0	61.0	TS dacitic crystal tuff - fresh			12		2x qtz-ksp-cal-py veins; 2cm wide	25
61.0	63.0	TS dacitic crystal tuff Ksp altn pervasive from 61.5-63			15		2x qtz-ksp-cal-py vuggy veins up to 3cm	10
63.0	70.0	TS dacitic crystal tuff - poor recover			3		relatively fresh, few veins	
70.0	75.0	TS dacitic crystal tuff. Fresh pink to 74m, chloritic kspr veinlts			20		minor diss py 74-75m, minor qtz-ksp veinlets	
75.0	81.0	TS dacitic crystal tuff			8		ksp envelope - qtz veins ta 76,77m ksp vein zone and perv kspr at 78.8-80	20
81.0	84.0	TS dacitic crsytal lithic tuff. Fresh to 81.5m, kspr pervasive to 84m			30		2cm shear vein, qtz-ksp-py (±cpy) + 1cm QSP env qtz-ksp vnlt at 82-82.3	35
84.0	87.0	TS dacite crystal tuff and lithic clasts			10		1.5 cm sheared vein @ 85m + qtz-ksp-py	40
87.0	90.0	TS dacite crystal tuff and lithic clasts			15		2cm lamm qtz-ksp-py vein at one side of 10cm QSP envelope	60
90.0	93.0	TS dacite crystal tuff - fresh			30		Small 2-4mm qtz-ksp-cal vnlts ±; 1cm qtz-ksp epid py vein at 92.5m	40
93.0	96.0	TS dacite crystal tuff, epidotized from 95-96m			40		1cm clcite vn at 94.9 + epid altn env + stockwork qtz-ksp vnlts	
96.0	99.0	TS dacite crystal tuff			12		silica- ksp env at 96.2, sampled + 2 lamm qtz-epid-py vns ~ 0.5m	90;60
99.0	102.0	TS dacite crystal tuff			15		1cm lamin qtz-py-ksp vein cut by 3mm qtz-moly	50
102.0	105.0	TS dacite crystal lithic tuff - fresh			10		2cm shear zone qtz-py-ksp, chloritized from 102.6-104; lamin qtz py at 104.5	40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
105.0	108.0	TS dacite crystal lithic tuff, wk chl + epid			10		sericitized fract zone @ 106.5m; 5cm wide	70
108.0	111.0	TS dacite crystal tuff, relatively fresh			10		1cm qtz-ksp cal + 5x 0.5cm qtz-ksp ± cal	50
111.0	114.0	TS dacite crystal lithic tuff, weak chl-epid			30		3x 1cm qtz-ksp ± carb veins; 2x 2cm	45;70
114.0	117.0	TS crystal lithic tuff, rel fresh to fault zone at 116.1			20		Minor ksp altn at 115m; Jasper vnlt at 116.5m; Fault zone from 116.1-118; pyritic gouge from 116.1-117	50
117.0	120.0	TS dacitic crytal tuff; mod chloritiz			30		qtz-ksp veins and shear with diss py through out	50
120.0	123.0	TS dacitic crytal tuff; mod chloritiz qtz-ksp-ca-epid stockworks			20		qtz-ksp-ca vns + pyritic gouge + diss py + qtz vn breccia from 119.5-120.5	65
123.0	126.0	TS dacitic crystal tuff, med chlor, stockworks			15		qtz-ksp-ca stockwork and diss py to 124.5	70
126.0	129.0	TS dioritic tuff; mod chl			20		2cm qtz-ksp-cal-py shear vein	20
129.0	132.0	TS dioritic tuff; mod chl			12		4cm lamin qtz-ksp-cal -py -epid ; 20cm lamin sheared qtz-ksp-py	50;70
132.0	135.0	TS dacitic crystal lithic tuff mod chl			8		3cm ain qtz ksp cal py vein at 133.7m; vein breccia	20
135.0	138.0	TS dacitic crystal lithic tuff; intruded by rhyodacitic proph dyke at 135.5m			10		wall rock inclusion in dyke at 138.5-138.7	
138.0	141.0	Rhyodacite dyke; contact at 138.9 at 60°; Fault at 139.5m + qtz-ca-ksp vn			12		3x QSP envelope qtz-py veins, 1cm wide fault	60;85
141.0	144.0	TS dacite crystal tuff, mod chloritized lithic clasts at 142.7-143.5m			15		Stockwork fracturing at 142.7-145.5 veinlets qtz	15
144.0	147.0	TS dacitic crystal tuff, mod chlor			12		145.5-146.5 stockwork of qtz-ksp-ca-py veins	30
147.0	150.00	TS dacitic crystal tuff			9		qtz-ksp-cal, QSP env qtz-py veins ksp env at 148.8 (4cm)	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
150.0	153.0	TS dacitic crystal tuff; broken veinlets			8		Small qtz-ksp stockwork	30
153.0	156.0	TS dacitic crystal tuff; broken fractured veinltets ; fresh			4		1cm qtz-ksp-cal vein at 154.4m	40
156.0	159.0	TS dacitic crystal tuff; broken to 158			5		minor qtz-ksp-cal vnlts	
159.0	162.0	TS dacitic crystal tuff; weakly chloritized to 160m ; fresh to 162			25		QSP veinlets at 159.5; 161.5 ksp-qtz vnlts	
162.0	165.0	TS dacitic crystal tuff; chloritzed 162.8-165; broken to 164.4					1cm qtz-ksp-cal vn at 163.5; QSP veins at 104.2, 163	35;45
165.0	168.0	TS dacitic crystal tuff; fresh to very weakly chloritized; broken 167-168			10		2cm QSP on qtz-py vnlts at 166.5; minor py on fracts	90
168.0	172.0	EOH					lamin ca-qtz-ksp-py vein 3cm wide at 170; Fault at 171.8m	35

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	7.0	overburden -boulders of TS dacitic tuff; diss py oxidized fractures					Diss py in boulders	
7.0	9.0	TS dacitic crystal lithic tuff to 7.6m; vein brecciated qm			6		qtz- py matrix to brecciated TS tuff	60
9.0	12.0	TS dacitic crystal tuff - brecciated stockwork 9.0-9.2m & -.8-10.0m			10		qtz-py, qtz-ksp-ca-py stockwork brecciated 1.5cm qtz-ksp-ca	25
12.0	15.0	TS dacite crystal tuff; mod chl + epid			8		stockwork qtz-ksp veins 13-14 diss py through out 3cm qtz-ksp	20
15.0	18.0	Ts dacitic tuff sheared, clay alt'd			8		stockwork fractures 15-17m stockwork qtz veinlets ± ksp py	20
18.0	21.0	TS dacite crystal tuff; fresh; xenoliths of dark grey dacitic tuff			7		qtz vein vuggy; 5mm, also 3mm qtz	30
21.0	24.0	TS dacite crystal tuff; fresh; minor clay-qtz at 21 21.5			11		shesred qtz-py at 21.5; 1cm wide	35
24.0	27.0	Ts dacite crystal lithic tuff. Fresh			15		qtz vnlts	45
27.0	30.0	Ts dacite crystal tuff. Fresh to pale green (epidote)			15		QSP enveloped qtz-py veins - 1-3cm	60
30.0	33.0	TS dacite crystal tuff. Fresh			18		3cm sheared qtz-p vnts + qtz-ca-py breccia	35
33.0	36.0	Ts dacite crystal tuff; few xenoliths			12		Sheared 33.25-34; qtz-py, qtz-cal veins	30
36.0	39.0	TS dacite crystal tuff, weak chl/ep			14		qtz- cal - ksp-py x2; 1.5-2cm	50
39.0	42.0	TS dacite crystal tuff			15		qtz-cal vein 1cm wide; diss py in xenolith	25
42.0	45.0	Ts dacite crystal tuff; sheared, brecciated at 42.5-45			12		sheared brecciated and silicified qtz-py mylonite veins	30
45.0	48.0	Ts dacite crystal tuff. Fresh; qtz-py veins			13		partly silicified qtz-py veins; sheared at 46.8; 3cm qtz-mylon-py	30
48.0	51.0	Ts dacite crystal lithic tuff					2cm vuggy qtz-ksp-mylonite at 50m; 3mm qtz-cal	50
51.0	54.0	TS dacite crystal tuff, weak chl/epid					0.5cm qtz-py at 52.5 + ksp envelope	65

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
54.0	57.0	TS dacitic crystal tuff, lithons 56.5-57, wk chl				8	1cm lamin qtz-cal-mylonite at 55.5	70
57.0	60.0	TS dacite crystal lithic tuff, weak chl,epid				15	no veins	
60.0	63.0	TS dacite crystal lithic tuff, weak chl,epid				18	at 60.4 - 1cm lamin qtz cal; at 62.0, 62.7 - 1cm qtz ksp-cal	55;40
63.0	66.0	TS dacite crystal lithic tuff				20	lamin qtz-ksp-mylonite-cal at 64.7; stockwk qtz-py	60
66.0	69.0	TS dacite crystal tuff; wealy chlor				10	qtz-ksp anastamosing veinlets at 68m	25
69.0	72.0	TS dacite crystal tuff				30	qtz-ksp anastamosing veins at69-70m; qtz-cal-ksp + qtz-mylonite-py at 70-	20;10
72.0	75.0	TS dacite crystal tuff, qtz-cal-cpy-py veins				10	qtz-cpy-pyat 73.7, 73.25 ± sphal, cal	25
75.0	78.0	TS dacite crystal tuff; chloritc				9	qtz-cal-ksp-py-mylonite vein at 96.5 and 77.5m	15
78.0	81.0	TS dacite crystal tuff, weak chl, epid				15	1cm qtz at 79.5; 5mm qtz-py, 5mm qtz (vuggy)	35;70
81.0	84.0	TS dacitic crytal tuff; silicified at 82.5m, 83.1-84.2m				20	3mm qtz-ksp at 82.5	25
84.0	87.0	TS dacite crystal tuff, silicified to 87				25	anastamosing qtz-ksp-cal±mylonite-py	40
87.0	90.0	TS dacite crystal tuff, med chlor, Kspar				30	anastamosing qtz-ca-ksp at 87.5-90m	0
90.0	93.0	TS dacite crystal tuff, Qtz-porph dyke; 91-92, 92.5-93.1				12	cpy-py on upper dyke cm fract at 91.0m; irregular dyke contact ± assimilation	
93.0	96.0	TS dacite crystal tuff, qtz porph dyke 94-95.5				15	lamin qtz-ksp-py-ca-mylonite vein x2; upper dyke cm fract ±py	
96.0	99.0	TS dacite crystal tuff, Ksp-melasomatic starts at 97m				25	small dyke at 98m, qtz-ksp veinlets	40
99.0	102.0	TS dacite crystal tuff; Ksp melosomatic matrix at 100.5				22	small qtz-ksp veinlets	45

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
102.0	105.0	TS dacite crystal tuff; ksp melosomatic to 103.5m				30	0.5cm qtz-ksp-cal at 104m QSP 3cm wide	10;60
105.0	108.0	TS dacitic crystl tuff; perv ksp altn				12	3cm QSP at 107.1	35
108.0	111.0	TS dacite crystal tuff; perv kspfrom 108-111m				20	Few small qtz vnlts	
111.0	114.0	TS dacite crystal tuff; ksp perv to 112.3; 112.5-113.0. Monz/QM dyke contact at 113.9				20	Few small qtz-ksp vnlts	
114.0	117.0	Monz dyke cut by 0.3m qtz porph dyke centered at 115				25	0.3m qtz porph dyke cut by 1cm qtz-ksp-py vn + sericite envelope	
117.0	120.0	monz dyke cut by silicfied QSP zone around qtz-ksp-py veins				15	117.9-118.5 zone silicified and QSP envel on qtz-ksp vein + 2x 2cm QSP zone	
120.0	123.0	monz dyke inclusions of TS dacite tuff 120.7-121m; Contact TS at 122m				8	17cm lamin qtz-ksp-ca lamin qtz-py-mylonite vein +qtz-ksp healed breccia	60
123.0	126.0	TS dacite crystal tuff; mod chl lithic clasts				8	3cm qtz vein zone; + ksp-py-epidote at 125.5-126	50
126.0	129.0	TS contact with monzonite at 126.3; contact sharp at 80°; lower contact at 128.5				12	Mz weakly chloritized at 127.5; lower contacta t dyke at 128.5; 1cm lamin qtz vein at 120.5 + ksp mylonite	80;50
129.0	132.0	monzonite contact with TS at 128.5 at 50°f					qtz-ksp-ca-py-cpy-moly in 1-2cm vein; subparallel to CA at 129.5-130.5; 130.6 Mo, Cpy, py	0
132.0	133.0	TS dacite crystal tuff; weak - mod chl-ksp env veins					Ksp veins, 2cm ksp-ca-qtz vein at 132.8	0
	EOH							

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	3.0	casing						
3.0	6.0	TS dacitic crystal lithic tuff, epidote ±chloritie after plag, mafics			10		none	
6.0	9.0	TS dacite crystal lithic tuff, epidote+ chlorite, FeOx broken core from 7-9m			8		3mm qtz vn	50
9.0	12.0	TS dacite crystal lithic tuff; epdiote + chlorite			9		3-5mm qtz-epid veins	50
12.0	15.0	TS dacite crystal lithic tuff; epdiote + chlorite			12		3mm qtz vuggy vein; 3x 3mm qtz-ep-py-cpy; silicified qtz vein zone at 14.5-15.4	30;40
15.0	18.0	TS dacite crystal lithic tuff; epdiote + chlorite			12		silicified zone at 15-15.1; remnent vuggy qtz at 16; stokwk qt-ep-py at 16.1-16.5	40
18.0	21.0	TS dacite crystal lithic tuff; epdiote + chlorite			15		qtz vin 20.9-21.2 ± broken QSP env with tr py; cpy + diss	45
21.0	24.0	TS dacite crystal lithic tuff; epdiote + chlorite			18		small qtz-ksp-epd veins x5	40
24.0	27.0	TS dacite crystal lithic tuff; epdiote + chlorite			9		1cm qtz-ksp-epid; 2x2cm qtz-ksp-cal ±py at 20.7	70
27.0	30.0	TS dacite crystal lithic tuff; epdiote + chlorite			18		1cm qtz ksp-ca-py vein; 10cm silicified zone + ksp envel. Small qtz-epid vnlts x8	60
30.0	33.0	TS dacite crystal tuff; epdiote + chlorite			9		small qtz-epid-py veinlets and diss py; qtz-ksp-ca-py veins x10 at 31.5-33.0m + FeOx	
33.0	36.0	TS dacite crystal tuff; epdiote + chlorite			16		2.5cm qtz-ksp-bx vn at 33.2 + 2m fault zone + gouge. Qtz-epid-py vnlts x4	60
36.0	39.0	TS dacite crystal tuff; weak epdiote + chlorite			15		ksp-epid-qtz zone at 38.3-38.4; 2cm lamin qtz-ksp-cal-py vein	70
39.0	42.0	TS dacite crystal tuff; weak epdiote			14		40.6-41.5- 3 fault zones + gouge with py	40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
42.0	45.0	TS dacite crystal tuff; weak epdiote			12		43-44= 10x qtz-ksp±ca py veins 0.5cm wide	30
45.0	48.0	TS dacite crystal tuff; weak epdiote + chlorite			15		5x0.5-1.0cm qtz-cal-ksp veins ±epid, py	60
48.0	51.0	TS dacite crystal tuff; weak epdiote + chlorite			18		1cm qtz-ca-ksp vn x3; 3cm qtz-ca-ksp vn x2	70;50
51.0	54.0	TS dacite crystal tuff; weak epdiote + chlorite			18		1-2cm lamin qtz-ca-ksp veins at 51.6-51.9m	
54.0	57.0	TS dacite crystal tuff; weak epdiote + chlorite			20		8x qtz±ksp-cal-epid±py veins	
57.0	60.0	TS dacite crystal tuff; weak epdiote + chlorite			25		small qtz-epid veins; epid envelopes; 0.5cm QSP veins	5
60.0	63.0	TS dacite crystal tuff; weak epdiote + chlorite			8		2cm qtz-cal-ksp vein at 61.3m	70
63.0	66.0	TS dacite crystal tuff; weak epdiote + chlorite			23		63.2-63.5m; 2cm qtz=cal=ksp-vein + 6cm silif env, diss py	60
66.0	69.0	TS dacite crystal tuff; epdiote zones + envelopes			25		Diffuse epidote ± zones + veins	
69.0	72.0	TS dacite crystal tuff; intense chlorite from 69.5-70.2			30		Intense dark chlorite from 69.5-70.2m; Ksp-epid qtz vnlts; 2cm qtz-	65
72.0	75.0	TS dacite crystal tuff; mod epidote lithic clasts increasing			25		wispy qtz-epid veins ±ksp envelopes	45
75.0	78.0	TS dacite crystal tuff; epidote envelopes			30		wispy qtz epid veins ± ksp env	30
78.0	81.0	TS dacite crystal lithic tuff			30		1cm qtz-ksp vein at 79.5m; minor py + wispy qtz-epid - ksp	
81.0	84.0	TS dacite crystal lithic tuff			35		6cm ksp-qtz-epid at 81.4; 5cm qtz-ksp cal-mylonite py @82m	65
84.0	87.0	TS dacite crystal lithic tuff; granite lithic			25		weakly epidotized; 3x small qtz-kspr vnlts	
87.0	90.0	TS dacite crystal lithic tuff; local chlor, bleach			26		locally bleached moder chloritic-epidote veins almost absent	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
90.0	93.0	TS dacite crystal lithic tuff; fresh			23		bleached at 91m; litho epidotized	
93.0	96.0	TS dacite crystal lithic tuff			20		2cm qtz-cal-ksp vein at 94.7;1cm qtz-cal-ksp vein at 93.75	35;80
96.0	99.0	TS dacite crystal lithic tuff			25		minor qtz epidote vein	30
99.0	102.0	TS dacite crystal lithic tuff			30		1cm qtz-kspr vn at 101.5; qtz epidote vein	60
		EOH						

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	3.0	Casing						
3.0	6.0	TS dacite crystal lithic tuff. Epidote				10	none	
6.0	9.0	TS dacite crystal lithic tuff. Epidote				12	minor wispy qtz-epidote	
9.0	12.0	TS dacite crystal lithic tuff. Epidote				10	0.5m qtz-ksp	35
12.0	15.0	TS dacite crystal tuff. Epidote				12	ksp vnlts at 12.2m; epid zone at 13.7m; wispy epidote vnlts at 14.5m	
15.0	18.0	TS dacite crystal tuff. Chlorite + Epidote				14	wispy qtz-epid vnlts	
18.0	21.0	TS dacite crystal tuff. Chlorite + Epidote				18	1cm qtz-epid at 19.5m; at 20.9m is stockwk qtz-py+ksp envelopes	
21.0	24.0	TS dacite crystal lithic tuff. Chlorite + Epidote + limonite				15	pyrite on fractures oxidized to limonite	
24.0	27.0	TS dacite crystal tuff. Epidote				8	small ksp-qtz±py veinlets+ epidote	
27.0	30.0	TS dacite crystal tuff. Epidote				8	1cm qtz-ksp-py vein to 15cm; breccia QSP envelope; 27.3-27.8m	30
30.0	33.0	TS dacite crystal tuff. Epidote				10	4cm qtz vein, vuggy in 10cm QSP envel at 31.3m + ksp; similar 2cm vn at 31.5	50
33.0	36.0	TS dacite crystal tuff. Epidote				12	qtz-ksp vn 0.3cm +QSP; qtz-ep vnlt x6	45
36.0	39.0	TS dacite crystal tuff				15	1cm qtz-py+QSP env	35
39.0	42.0	TS dacite crystal tuff				8	Small qtz-ksp veinlets + wispy qtz epidote veilets	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
42.0	45.0	TS dacite crystal lithic tuff.				10	stockwork qtz-ksp vnlts at 43.5-44.5m qtz-epidote vnlts from 42-44	
45.0	48.0	TS dacite crystal lithic tuff.				16	wispy qtz epidote veinlets	
48.0	51.0	TS dacite crystal tuff.				20	6cm qtz-ep-cal zone at 49.4; numerous qtz-epid veinlets	85
51.0	54.0	TS dacite crystal lithic tuff.				25	wispy qtz-epidote veins; minor kspr vnlts	
54.0	56.0	TS dacite crystal lithic tuff.				22	wispy qtz-epidote veins, minor kspr vnlts	
56.0	59.0	TS dacite crystal lithic tuff.				20	wispy qtz-epidote ± cal ksp veins	
59.0	63.0	TS dacite crystal tuff.				15	at 59.3m faulted segment of qtz-ksp, diss py vein; 60.6 shear zone sub parallel to core	0
63.0	66.0	TS dacite crystal lithic tuff.					qtz-epidote wispy veinlets	
		EOH						

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	6.0	TS dacite crystal tuff; core broken				6	none	
6.0	9.0	TS dacite crystal tuff; epidote				8	qtz-epidote-calcite	
9.0	12.0	TS dacite crystal tuff; epidote				10	minor qtz vnlts	
12.0	15.0	TS dacite crystal tuff; epidote				15	14.8m-0.5cm qtz-cal-ksp vein	65
15.0	18.0	TS dacite crystal tuff; epidote				15	minor qtz-ksp-cal, wispy qtz-epidote	
18.0	21.0	TS dacite crystal tuff; epidote				16	minor qtz-ksp-cal, qtz epidote zone at 19.0m	
21.0	24.0	TS dacite crystal tuff; epidote				10	mottled epidote after plagioclase; small calcite + qtz cal veins	
24.0	27.0	TS dacite crystal tuff; epidote				12	0.5m silicified zone; 1cm qtz-bx vein + py mylonite	70
27.0	30.0	TS dacite crystal tuff				6	1m silicified zone +py at 28.8-29.8m	50
30.0	33.0	TS dacite crystal tuff				8	4x 0.5-1.0cm lamin qtz-mylon ± cal py veins with 3-5cm kspr enfs; 3cm qtz-bx vein at 32.0m ; 15cm qtz bx + lamin qtz mylon at 32.8	60;45;75
33.0	36.0	Qtz porph dyke from 33.0-35.5; lower contact sub-parallel to core axis				10	33-34m qtz porph dyke; qtz-mo-py at 33.2; qtz-cpy-mo at 33.5; 34.7 1cm qtz-sphal-py vn x3; 34.8: 0.9-0.5cm ksp-cal veins	45;75
36.0	39.0	TS dacite crystal tuff; epidote				16	36.0-36.5: 0.5cm cal-qtz veins; 37.5: 0.5cm qtz-cpy; 38.3, 38.4, 38.8: 1cm qtz-calcite-py-cpy	60;40
39.0	42.0	TS dacite crystal tuff; epidote - chlorite				15	3cm qtz-cal ±py at 39.0n + ksp env	35
42.0	45.0	TS dacite crystal tuff				12	Cal-ksp veinlets + minor qtz vnlts	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
45.0	48.0	TS dacite crystal tuff				15	2x qtz-cal py vns 0.5-1.0cm; 2cm laminar qtz-cal-mylon (mo?)	45;30
48.0	51.0	TS dacite crystal tuff; QP dykes at 48-48.5				10	qtz-epidote veins; diss py at 50.5, sericite; shear	
51.0	54.0	TS dacite crystal tuff				6	qtz-cal stockwork at 51.6, epidotized fault at 53.8; qtz-ep vnlts	
54.0	57.0	TS dacite crystal tuff				7	stockwork at 56.4-56.6 + diss epid with fault	60
57.0	60.0	TS dacite crystal tuff				8	1cm qtz-ca-ksp, 0.5cm qtz-cal, 2x1 cm qtz-py (Mo)	
60.0	63.0	TS dacite crystal tuff				10	1-1.5cm qtz-ca-py veins	35
63.0	66.0	TS dacite crystal tuff				12	2cm qtz-myulon-py ±ksp	30
66.0	69.0	TS dacite crystal tuff				15	67.4-67.8; 1cm , 0.5cm qtz-ca vnein	50
69.0	72.0	TS dacite crystal tuff				10	68.1-69.1m 7x qtz-cal - py 0.5-1.5cm	60
72.0	75.0	TS dacite crystal tuff				8	5x qtz-carb± ksp 0.3-1cm	45
75.0	78.0	TS dacite crystal tuff				12	6x qtz-cal-ksp veinlets	
78.0	81.0	TS dacite crystal tuff				18	wispy qtz-epidote veinlet	
81.0	84.0	TS dacite crystal tuff				25	small qtz-ksp-epid veins; perv epid from 83-54	
84.0	87.0	TS dacite crystal tuff				20	3x ksp-cal-qtz veins 0.5-1cm ; 1cm qtz kspr at 85.5	0;40
87.0	90.0	TS dacite crystal tuff						
90.0	93.0	TS dacite crystal tuff					qtz-cal-kspr at 90.9 1cm	60
93.0	96.0	TS dacite crystal tuff					none	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
96.0	99.0	TS dacite crystal tuff broken core at 99					epidote-kspr-veinlets zone at 97.1m; epidote-kspr-qtz veinlets at 98m	
99.0	102.0	TS dacite crystal tuff					epidote-kspr-veinlets zone at 97.1m; epidote-kspr-qtz veinlets at 98m	
102.0	105.0	TS dacite crystal tuff ; kspr perv 103-104m					qtz carb chlorite veins	40
105.0	108.0	TS dacite crystal tuff					qtz, qtz-carb, qtz-carb-chlorite veins 0.5-1cm wide	40
108.0	111.0	TS dacite crystal tuff					10cm silicif zone at 109.3m ca-qtz-chl vn; irreg qtz veins	70
111.0	114.0	TS dacite crystal tuff					silicif py zone; 45cm wide; qtz-py shear vein to 2cm	90;50
114.0	117.0	TS dacite crystal tuff					3cm qtz-ca-ksp-py vn at 117m; 9x qtz-ca-chl vns at 116m	40;50
117.0	120.0	TS dacite crystal tuff chlorite + kspr					1cm qtz-chl vein	50
120.0	123.0	TS dacite crystal tuff					none	
123.0	126.0	TS dacite crystal tuff					none	
126.0	129.0	TS dacite crystal tuff					cal vein 1cm	60
129.0	132.0	TS dacite crystal tuff					pervasive epidote at 128.5-129.5m ; at 131m are 3x 1-1.5cm qtz-cal-py	70
132.0	135.0	TS dacite crystal tuff; kspr, epidote					30cm silicif-ksp-py zone at 131-131.3m	
135.0	138.0	TS dacite crystal tuff; kspr, epidote					136.4m: 1.5cm cal-qtz vn ; pervs kspr at 137-138m	70
138.0	140.0	TS dacite crystal tuff; kspr, epidote; **EOH**					139.5m 3x qtz-cal-ksp vns; 2cm qtz at 138.5	30;70

APPENDIX IV

Drill Logs for Som Drill Holes Som-07-01 and Som-07-02

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	9.0	Casing, overburden, Fresh TS dacitic crystal lithic tuff				5	pyrite + FeOx on fractures	
9.0	12.0	Bx'd pyritized, clay sericite zone 0.4m; TS dacitic crystal lithic tuff		10.7			pyritized swericite clay bx zone 0-4m at 9-9.4m; qtz-ca-py veins. Wk to intense hypogene mt; 5mm qtz-ca-ksp-py (ep) vein.	
12.0	14.0	TS dacitic crystal lithic tuff. Hypog mt. Fresh					2cm qtz-ca-py vn at 12.5m; 2mm qtz-py vn + 1.5cm QSP env at 12.3; 13.2: 2cm lamin qtz-ca-py	50;50; 40
14.0	16.0	TS dacitic crystal lithic tuff. Hypog mt. Fresh					Cal-ksp-qtz subparallel to CA from 14.4-14.6m; 2mm qtz-ksp; 1.5cm qtz-ca-py + 2x0.5cm qtz-ca-py; 2x qtz-py-QSP vn	80;90; 60;50
16.0	18.00	TS dacitic crystal lithic tuff.					17.1m: 0.5cmqtz-py; 17.4: 0.5cm qtz-py (Mo) + stkwk qtz-ksp	50;10; 10
18.00	20.0	TS dacitic crystal lithic tuff.					2x3mm qtz-ksp-cal at 19m; 3mm x 2 qtz-py vns at 19.5-19.7	10;40
20.0	22.00	TS dacitic crystal lithic tuff. QSP envs at 20.1, 20.9-21.3					0.5cm qtz-py at 20.1m; 0.5cm qtz-py at 20.8 + QSP 2cm qtz-cal-py at 21.2m +4x 0.4cm qtz-py	60;50; 55
22.00	24.0	TS dacitic crystal lithic tuff. Hypog mt.					0.3cm Ksp-qtz-py at 21.7; 22.3m 0.4cm qtz-epid-cal-ksp-py +ksp env; 23.9m: qtz-cal-	65;35; 0
24.0	26.0	TS dacitic crystal lithic tuff. Fresh					0.1cm + QSP; 2x0.5cm qtz-py-ksp at 24.2m; 2x0.3cm qtz-ksp ; at 25.1: 0.5cm qtz-ca + 1cm ksp env +py	50;70
26.0	28.0	TS dacitic crystal lithic tuff. Hypog mt.					several small qtz-py vns +ksp envelopes. Py on fractures	
28.0	30.0	TS dacitic crystal lithic tuff. QSP 28.2-28.8m					3x 1cm qtz-py; 28.6m: 3x1cm qtz-py+qsp ±sph	30;60
30.0	32.0	TS dacitic crystal lithic tuff. QSP 29.8-32.0m					31.2: 1cm cal-chl selv., 31.3M: 4x0.2cm qtz-py-ca; 31.5-32.0m cal-matrix breccia + ser, qtz, tr py	65;60; 40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
32.0	34.0	TS dacitic crystal lithic tuff. QSP 32-32.5-34.6m					0.5cm qtz-cal-pyvn + diss py env; 2cm at 32.9m QSP + qtz-py vns, diss py at 32-32.7m; stockwork 4x QSP zones at 33-33.6; 4x 2mm qtz-py vns	40;50; 80
34.0	36.0	TS dacitic crystal lithic tuff. QSP 34.4-34.6m					0.5cm qtz-py at 34.05m; at 34.5m is 0.5cm qtz-py + anhydrite; 4x 0.3cm qtz-py at 35.5m; 1-2mm qtz py -ksp x4	80;65; 60
36.0	38.0	TS dacitic crystal lithic tuff. QSP 36.3, 36.7, 37.95m					1cm qtz-py-sph (light brown) in QSP env at 36.3m; 2cm qtz-py in qtz-cal bx + 6cm QSP at 36.7; Lamin qtz-ca-ksp-py 2cm at 37.0m	50;60; 35
38.0	40.0	TS dacitic crystal lithic tuff.					Stockwork qtz-cal-ksp-py vns; qtz-py 4mm parallel to core at 38.3m; qtz-ksp-py at 39m.	70;50; 0;35
40.0	42.0	TS dacitic crystal lithic tuff.					41.9m: lamin qtz-cal-mylonite-ksp-py 3cm wide; 41.2m: 0.5cm qtz-cal-ksp-py	55
42.0	44.0	TS dacitic crystal lithic tuff.					42.1m: 0.5cm cal-qtz vn + py, chl; 42.4: 1.0cm cal-py; 42.: 0.2cm qtz-cal-ksp-py; 42.75m: 0.5cmqtz-ca-py-ksp; 43.5m: QSP + 3x qtz-py vnlts; 43.8m: QSP zone 5cm wide; 44.0m: qtz-py-cp-Mo vn	40;45; 0;10; 60
44.0	46.0	TS dacitic crystal lithic tuff. QSP zones					3x qtz-py in 2cm QSP zone at 44.2m; qtz-py-ca stockwork at 44.5m ; QSP at 44.8m; 45.6-45.8m: 2x qtz vn + QSP; 45m QSP + 0.5cm QTz-py	50;20
46.0	**48.0**	TS dacitic crystal lithic tuff. QSP from 46.15-46.3m; 46.35-46.65m; 46.9, 47.0, 473-48m					QSP zone + qtz+py (ep) veins; 2mm qtz-cal-ksp-py veins at 46.8-47.0m; 47.1: 3cm qtz-cal-py vn	65;30; 60
48.0	50.0	TS dacitic crystal lithic tuff. QSP from 48, 49.8					Qsp at 48.2m; system of ca-ksp vns 0.3cm sup parallel at 48.1-48.7m; Fault + gouge 10cm wide at 48m; 49.9m: 2mm qtz-py-qsp	20;30; 60

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Vein Tally	Mode	Description	CA
50.0	52.0	TS dacitic crystal tuff. fresh					0.3 cm qtz-py + QSP at 50.9m; 1.5cm lamin cal-qtz-ksp at 51.75m; 0.5cm lain cal-qtz-ksp-py at 51.95m	60;80
52.0	54.0	TS dacitic crystal tuff. QSP 53.15-53.7m					11x0.2-0.5cm qtz-py in QSP 40cm wide adjacent to fault	50
54.0	56.0	TS dacitic crystal tuff. 5cm QSP at 55.3m					55.25-55.35cm QSP + 0.5cm qtz-py	50
56.0	58.0	TS dacitic crystal tuff. Ksp vnlts					0.8cm cal-qtz-ksp +py vn at 51.9m; stkwrk qtz-py in epid env at 57.8m + chlorite + jasper	20;30
58.0	60.0	TS dacitic crystal tuff. QSP 58.3-59.6; 58.8-59m; 59.3-59.8m					58.25: 1.5cm massive py-qtz-cal vn; 57.4m : 0.5cm qtz-ca-py in QSP; 58.8m: 2x0.2cm qtz-py; 59.4: 1cm qtz-py in 20cm QSP; 59.9m: 15cm qtz-py in 3cm QSP	55;30; 20;40; 40
60.0	62.0	TS dacitic crystal tuff.					0.5cm qtz-ca-py in 3cm QSP env at 60.5m; 0.5cm qtz-py + 2cm QSP at 61.2m; 0.3cm qtz-ksp-py at 61.2m	65;30; 70
62.0	64.0	TS dacitic crystal tuff.					stockwork qtz-py-ksp at 62.5m; QSP at 62.8-63.05 + 3c qtz-cal-py; 1.5cm QSP + 0.2cm qtz-py at 62.2m	60;70
64.0	66.0	TS dacitic crystal tuff.					QSP at 64.0-64.5m + 10x qtz-cal-py veins; 65.1m : 1.5cm ca-qtz-massive py; 65.6m: QSP + ca-qtz-py	50;60
66.0	68.0	TS dacitic crystal tuff. QSP at 66.25-66.35+ qtz-cal-py sph-gal; QSP 67-67.2m + ca-qtz-py					66.6m: 2cm cal-py-sph-qtz +galena; 66.4-667m: 8x cal-qtz-ksp veins; 67.1m: 2cm cal-qtz-massive py	60;65
68.0	70.0	TS dacitic crystal tuff. QSP 68.2-68.4+vein; 68.55-68.85-69m					68.35m: 3cm qtz-cal-ksp-epid-py; 68.55-68.85m: QSP + 3 qtz-py	45;40
70.0	72.0	TS dacitic crystal tuff. Fresh. QSP at 70.4, 70.6m					2cm lamin qtz-py-cal-ksp at 70.6m; 1cm lamin qtz py-cal-ksp at 70.95m; 1.5cm massive py-qtz-cal-chl in QSP at 71.85-72.25m	55;60; 85

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
72.0	74.0	TS dacite crystal tuff. QSP + qtz-cal stkwrk					AT 72.1: 4cm qtz-cal-py + chl, anhyd cut by 1cm qtz-cal. At 72.4m 2cm fault sheared qtz-py massive qtz-cal-py-chl to 72.6m; 5x qtz-py 0.3cm vns to 72.7m; QSP + qtz-cal-py veins to 73.6; cal-qtz-ksp stockwk at 73.4m	60;40; 40;60
74.0	76.0	TS dacite crystal tuff. Fresh minor QSP					2x cal-qtz-py at 74.3m; 3cm massive py-qtz at 74.5m; 2 qtz-cal-py at 74.75m; qtz-py 0.5cm + anhyd, stkwok cal-ksp-qtz	45;70; 45;25
76.0	78.0	TS dacite crystal tuff					1cm qtz-ca-py in 2cm QSP at 76.2m; at 75.9m 2x 0.5cm qtz-py at 76.1,76.3m; at 77.1m 0.5cm qtz-ca-py in 3cm QSP. QSP at 77.8m + 0.5cm qtz py at 45	60;65; 35;45
78.0	80.0	TS dacite crystal tuff					0.3cm qtz-py x5 at 78.6-79m; QSP at 79.35m+3x 0.3cm qtz-py	40;70
80.0	82.0	TS dacite crystal lithic tuff. Fresh					80.0-80.6m: 0.5cm py-qtz-ca-cal cross cuts 5x 0.2-0.3cm qtz-py-ksp-cal vns; 81.4: 2x 0.2cm qtz-py-ksp. 81.9m 0.5cm qtz-py cuts 05cm qtz ksp-py; 81.5m: 0.6cm cal-py-qtz	5;80
82.0	84.0	TS dacite crystal lithic tuff. Fresh					83.4-83.6m: QSP + 1cm py qtz vn	75
84.0	86.0	TS dacite crystal lithic tuff. Fresh					85.6m: 1cm lamin qtz-py-cal-chl	15
86.0	88.0	TS dacite crystal lithic tuff.					86.6m & 87.1m: 0.2cm qtz-py + ser-ksp env	60;40
88.0	90.0	TS dacite crystal lithic tuff. Fresh					89.35m: 0.5cm qtz-ksp-py; 89.0m calc stkwk	60;0
90.0	92.0	TS dacite crystal lithic tuff. Fresh					91.0-91.2m: 0.5cm cal-qtz-ksp vns + bleached envelope	30

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
92.0	94.0	TS dacite crystal lithic tuff. Fresh					92.0-92.8m: 5x QSP +0.2-0.4cm qtz-py; 92.9: cal 0.5cm at 93.3m; 5x cal qtz 93.8m; 1cm lamin cal-qtz-py	70;20
94.0	96.0	TS dacite crystal lithic tuff. Fresh					94.3 brown qtz-carb 0.7cm	80
96.0	98.0	TS dacite crystal lithic tuff. Fresh					96.5m: 0.3cm qtz-py; 97.05m: 2x0.2cm qtz-py	
98.0	100.0	TS dacite crystal lithic tuff. Fresh					98.9-100.5m: 13x 0.1-0.3cm qtz-py ± ksp in QSP	45
100.0	102.0	TS dacite crystal lithic tuff. Fresh					101.2m: 0.5cm qtz-py ksp; 101.8m: stkwk qtz-py ksp	80
102.0	104.0	TS dacite crystal lithic tuff. Fresh					102.65m: 0.5cm qtz-py-ksp; 103.5m: 6x qtz-ksp-py; 103.85: 0.7cm py-cpy-sph in qtz-cal vn	80;50; 80
104.0	106.0	TS dacite crystal lithic tuff. Fresh; bleached adj to veins					104.1-105.5: cal-qtz-py+ksp, lamin cuts cal-py vns at 104.2m, cuts 0.7cn qtz cal at 105.8: qtz ksp 0.5cm +py	0;55;7 0;20
106.0	108.0	TS dacite crystal tuff. Fresh					100.2M - 2cm linear qtz vein	20
108.0	110.0	TS dacite crystal tuff. Fresh					108.5: 0.5cm qtz cal bx vein±py cuts 2x 0.3cm qtz-py. 108.85m: 0.5cm cal-qtz ±py vn; 109.5-110m 6z cal-qtz ksp-py stockwork	60
110.0	112.0	TS dacite crystal lithic tuff.					109.35: 1.1cm massive py vein in QSP; 110.7m: 0.6cm qtz-py vn 3cm QSP; 111.2-111.45m shear zone Ztx-ca-py; 111.7m: QSP + qtz-py veinlets	60;50
112.0	114.0	TS dacite crystal lithic tuff. Fresh					112.3m: 0.5cm cal-qtz; 112.36m: 0.4cm py-qtz; 112.4: 0.4cm py-qtz	55;60; 50
114.0	116.0	TS dacite crystal lithic tuff. QSP 115.1-115.45; QSP 115.5-115.8; Silic bx 115.65-116.3m					qtz bx + py; diss py-qtz-py vnlts in QSP fron 115.1-115.6m.	70

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
116.0	118.0	TS dacite crystal lithic tuff. QSP 116.1-116.3m wk chl- epid pervas; 116.5-118m					1cm cal-qtz cpy-gal-sph-py vein at 116.1; adj to 3cm gougey fault. 1cm cal-qtz at 116.25m; at 118.m 1cm cal-qtz-py + cal stkwk	60;80;40
118.0	120.0	TS dacite crystal lithic tuff. Wk propyl + bleaching cal-ksp altn					at 117.4: 1.5cm cal-qtz; at 118.55m : 0.5cm cal-qtz; at 119.25m QSP+qtz-py; at 119.6m bleached cal-ksp vein zone; 120m cal-dsp-py vein	15;40;70;10
120.0	122.0	TS dacite crystal tuff.					small cal-ksp vein as a network	
122.0	124.0	TS dacite crystal tuff.					QSP/silic envel; 122.1-122.5m QSP zone; 123.2m: 0.5cm mass py-qtz; 122.6-123m QSP in silic env	60
124.0	126.0	TS dacite crystal tuff. Fresh, except QSP					0.5cm massive py at 124.3 & 124.46; 124.7m: 0.2cm qtz-py, 0.3cm qtz-py-ksp at 124.8m; 125.25: 1.5cm qtz-ksp-py; 0.5cm qtz-cal py; 125.8: 7.5cm qtz-py-ksp	45;30;60;50;45
126.0	128.0	TS dacite crystal tuff. QSP 127.0-127.3 QSP 126.1-126.4, 126.7-126.9, qtz-py at 126.9-127.1					125.8: 75cm qtz-py-ksp; 126.25m: 4cm cal-qtz-sph-gal-cpy-py; 126.3-126.8 cal-ksp stkwok; 127m 0.6cm qtz-cal-py-cpy-sph-Mo-gal	45;40;40
128.0	130.0	TS dacite crystal lithic tuff.Fresh , few veins					minor ksp veinlets	
130.0	132.0	TS dacite crystal lithic tuff.QSP 130.1, 130.25-130.6-131.0m					130.3m: 0.4cm qtz-py-ca, 130.55m: 0.4cm py-qtz-ca in 3cm silic env. 0.2cm qtz-py-ksp at 131.45m	40;40
132.0	134.0	TS dacite crystal tuff. Fresh					py, qtz-py on fracts. 132-133m. Small ksp-vnlts; 133.6m 1cm cal-ksp in 10cm ksp-bleach env.	10
134.0	136.0	TS dacite crystal tuff. Fresh bleached adj to cal-ksp veins.					134.4 bleached ksp perv; 134.7m: 1.5cm cal-ksp (py)	15

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
136.0	138.0	TS dacite crystal lithic tuff					136.6: 0.4cm qtz-py, lamin + 3cm ksp env; 136.75: 0.2cm qtz-py, qtz-ksp-py, cal ksp-py	70;35
138.0	140.0	TS dacite crystal lithic tuff					136.55m 0.5cm qtz-py in 1.5cm ksp env; 136.7m 0.2cm py-qtz, 0.2cm py, 0.2cm ca-ksp; 137.4-138m stockwork zone qtz-ca-ksp-py.	20
140.0	142.0	TS dacite crystal lithic tuff					138.05m: 0.4cm qtz-ksp-py in 4cm ksp env; 138.1cm: 0.2cm qtz-py in 1cm silic env.; 139.1m: 0.3cm qtz-ksp-ca-py	80;40; 10
142.0	144.0	TS dacite crystal lithic tuff					104.9m: 2x 0.3cm py-qtz in 2cm silicif env + mo. 140-140.5: cal-ksp-qtz-py; 141.3m: 3x 0.3 qtz-py-ksp env	10;70; 50;60
144.0	146.0	TS dacite crystal lithic tuff					142.3m: stkwk qtz-py-ca-ksp 0.1cm; 142.75m: 0.3cm py-qtz; 144.5m: 0.5cm qtz-py-ksp in ksp env 1.5cm wide	85;20
146.0	148.0	TS dacite crystal lithic tuff					145.1m-145.2m: 3x 0.2cm qtz-py + QSP; 145.4m: 0.1cm qtz-py stkwk; 147.35m 0.3cm py-qtz	45;15; 35
148.0	150.0	TS dacite crystal lithic tuff- broken core 148-149m					149.9: 0.5cm ksp-qtz-py in 4cm QSP env	70
150.0	152.0	TS dacite crystal lithic tuff					150.2m: 0.5cm py-qtz-ksp; 150.3: 0.4cm cal-qtz-ksp; 151m: 0.5cm cal-qtz-ksp ±py	55;45; 60
152.0	154.0	TS dacite crystal lithic tuff					152.2: 1cm qtz-cal-py(cpy); 152.3m: 1cm qtz-cal-py-sphal-cpy-anhyd; 152.7m 2x 1cm cal-qtz py-sph-cpy; 153m: 0.5cm cal-qtz-ksp-cpy-sph, mo, gal, py; 153.7m: 1mm lamin qtz-py in 1cm silic env.	35;60; 30;75

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
154.0	156.0	TS dacite crystal lithic tuff					py vnlt; 154.3m: 2mm cal-qtz-py, 3mm qtz-py-ksp; 155.9m: 1cm lamin py-sph; 155.m: bleached, diss py (cpy?) zone	30;20; 75;45
156.0	158.0	TS dacite crystal lithic tuff					157.5: stkwk-cal-qtz-py-chl	
158.0	160.0	TS dacite crystal lithic tuff					158.2m: 0.5cm qtz-ca-py-chl x3; 158.7m: 4x 0.2cm py-qtz-ca-ksp; 159.75m: 0.4cm massive py-qtz	10;70; 75
160.0	162.0	TS dacite crystal lithic tuff. Fresh					160.3m: 0.4cm cal-qtz x2 in bleached zone; 160.8m 0.4cm cal-qtz; 161.5m: 3x qtz-py 0.2cm; 161.95m: 15cm bleachec zone	21;25; 20;
162.0	164.0	TS dacite crystal lithic tuff. Fresh					diss py; 162.2m: 0.3mm qtz-py in 0.5cm QSP; 163.0m: stkwok 1mm qtz-py; 163.85m: 0.7cm qtz-ca-py	40;50; 70
164.0	166.0	TS dacite crystal lithic tuff. Fresh					ksp envelopes; 164.6m: qtz-mt vein 2mm in ksp envl.; 165.4-166m: 3x qtz-py in ksp env; qtz mt 2mm	
166.0	168.0	TS dacite crystal lithic tuff. Fresh					166-166.3: 3x2mm qtz-py ksp env; 166.4m: 1cm qtz-ksp-ep-cal-py; 1cm in bleach/ksp zone, 5cm wide; 166.7m: 3x 0.2cm qtz-py - ksp env	35;70
168.0	170.0	TS dacite crystal lithic tuff. Fresh					168.4m: 4mm qtz py-ksp; 168.6m: 0.5cm qtz-py-ksp; 169.4m: 2x 0.4cm qtz-py ksp env; 170m: 2x cal-qtz-ksp-py	55;15; 30;35
170.0	172.0	TS dacite crystal lithic tuff. Fresh					170.5: 2x qtz-ca-py 0.4cm wide	45
172.0	174.0	TS dacite crystal lithic tuff. Fresh					172.1m: 0.4cm qtz-py-ksp; 172.7m: 12cm silicf zone; 172.8m: 1-2mm qtz-py x5; 173.1m: 0.6cm ca-ksp-py	45;60; 35
174.0	176.0	TS dacite crystal lithic tuff. Fresh					174.4m: 2mm qtz-py-epid vn; 175m: 0.4 qtz-4cm bleach-ksp env	35

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
176.0	178.0	TS dacite crystal tuff. Fresh					176.55m: 3mm qtz-py in 1cm ksp; 176.86m: 2x 1cm qtz-ksp ± py; 177.1m: 0.7cm qtz-ksp-py vn	55;70; 20;35
178.0	180.0	TS dacite crystal tuff. Fresh					178m: 2x 1mm qtz-py + .5cm ksp env; 178.5m: 3cm cal with py on fcts; 179.9m: cal-qtz-ksp-py x3 to 0.2cm	35;70; 35
180.0	182.0	TS dacite crystal tuff.					180.5-180.9m: silicf zone , 4 qtz vns 0.5-1cm ide + qtz-py vnlts; 181.3m: stkwk qtz-ksp-py	60;25; 11
182.0	184.0	TS dacite crystal tuff.					1-2mm qtz-ksp-py veins from 182-182.7m; 183.2m: 3mm cal-ksp vn; 186.7m: 2mm qtz-ca-ksp-py vn	30;30
184.0	186.0	TS dacite crystal tuff.					184.4m: 1cm cal-qtz-ksp-py, pervs ksp from 184.1-184.7m; 184.65m: 0.3cm cal-qtz-ksp; 185-186m; broken core, stkwk cal-qtz-ksp±py	20;60
186.0	188.0	TS dacite crystal tuff. Fresh					187m: 2x qtz-py - ksp envelopes; 187.4-187.6m: 0.4cm cal-qtz-ksp-py	40;20
188.0	190.0	TS dacite crystal tuff.					188-190m core broken; small qtz-ca-ksp veins on fractures	
190.0	192.0	TS dacite crystal tuff.					silicf zone 190.6-191.5m; 190.8m: 1mm qtz vn; 191m: anhyd qtz-ksp, cal, diss cpy,py qtz bx +mo cpy at 191.3m; 191.5m: qtz bx	30;0; 20
192.0	194.0	TS dacite crystal tuff.					192.8m: 2x 2mm qtz-py-ksp env; 193.1m: 2x1cm qtz-py-ksp env; 193.85m: qtz-ca-py 1.2cm wide	20;25; 25
194.0	196.0	TS dacite crystal tuff.					194.3-194.6m: small cal-qtz-ksp veins; 194.95m: 0.6cm massive py + qtz-ksp; 195-	20
196.0	198.0	TS dacite crystal tuff.					196.4m: qtz-ksp env; 197.1m: intervals of sil env + diss cpy-py	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
198.0	200.0	TS dacite crystal tuff. Fresh					198.4m: lamin qtz-ksp-py to 0.7cm; 198.6m: qtz-py to 0.3cm; 199.0m: 0.3cm qtz-py vn	25;20; 20
200.0	202.0	TS dacite crystal tuff. Fresh					200.1m: lamin 1.2cm qtz-ksp-py x2	50
202.0	204.0	TS dacite crystal tuff. Fresh					202.33m: qtz-chl 2mm; 202.5m: 0.8cm qtz-ca-gal-sph; 203.3 bleached env 0.2cm; 203.5m: 3cm bleached ksp env on 0.5cm qtz-py vn; 203.8m: 0.3cm qtz-py-sph in ksp-qtz env.	80;35; 80;50
204.0	206.0	TS dacite crystal lithic tuff. Fresh					204.05m: 3x0.5cm py qtz-ksp; 204.7m: 2mm qtz-py-ksp 1cm wide with sil env; 205.1m: stkwok; 1mm qtz-py-ksp; 205.9m:	30;65; 30;50
206.0	208.0	TS dacite crystal lithic tuff. Fresh					206.2m: 3mm py-qtz ksp; 206.3m: 2mm qtz-py in 1cm ksp env; 206.6m: 3mm qtz-py + 1cm ksp env.	20;50
208.0	210.0	TS dacite crystal lithic tuff. Fresh					208.2m: 4x2-4mm qtz-py vns; 209.1m: 5x 2x4cm qtz-py vn	50;40
210.0	212.0	TS dacite crystal lithic tuff. Fresh					211.0-211.3m: pervas-ksp adj to 1.3cm qtz-py silc env; 211.6m: 1-2mm weak qtz	70
212.0	214.0	TS dacite crystal lithic tuff. Fresh					212.8m: 1.5cm qtz-cal-ksp vn; py-cpy-mo-sph; 212.9m: 0.8cm qtz-py-chl; 213.5m: fault 1cm gouge; 213m: 0.5 stkwk cal-ksp-qtz 0.3cm veins	5;50
214.0	216.0	TS dacite crystal lithic tuff. Fresh					214.2m: stkwok cal-ksp, 1cm cal-ksp-qtz; 214.6m: fault gouge 1.5cm wide with py; 215.3m: py at intersect of qtz-cal, qtz-py vn; 215.75m: qtz-py (cpy)	60;60; 60;80; 25
216.0	218.0	TS dacite crystal lithic tuff. Fresh					218.65m: lamin qtz-ksp-cal-py 5cm; 219-219.4m: 2x cal-ksp vns; 219.9m: 4x 1mm qtz-py-sil vn	30;50; 70

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
218.0	222.0	TS dacite crystal lithic tuff. Fresh					220.2m: 2x1mm qtz-ca-py vn; 220.65m: 0.5cm qtz-py-ksp; 221.55m: 2cm massive py + qtz (cpy?)	65;40; 70;50
222.0	224.0	TS dacite crystal lithic tuff.					222.1m: 2x qtz-py in ksp env.; 222.95-223.05m: bleached + silicif adj to qtz-py vn; 223.1m: lamin qtz-py 0.6cm	40
224.0	226.0	TS dacite crystal lithic tuff.					224.3m: bleaching adj to 0.6cm qtz-py-sph vn; 225.6-225.9m: 9x 2mm qtz-py ksp env	50;40; 50
226.0	228.0	TS dacite crystal lithic tuff.					226.2m: 0.4cm qtz; 226.75m: 2cm qtz-py; 227.52m: 3x qtz-ksp-py	40;45; 40
228.0	230.0	TS dacite crystal lithic tuff.					229.4m: cal 0.4cm x 2	30
230.0	232.0	TS dacite crystal tuff. Fresh, few veins					230.1m: 2mm qtz-py; 231.5m: 5x qtzpy 204mm wide; 231.6m: 6x qtz-py 1-3mm	35;45; 30
232.0	234.0	TS dacite crystal tuff. Fresh					232.2m: 1-3mm qtz-py; 233.5m: 4x 1-3mm qtz-py vn	
234.0	236.0	TS dacite crystal tuff. Fresh					234.1m: bleaching adj to qtz-py stkwk also 234.2; 234.65m: 0.8cm qtz-ca-ksp-ga-sph intersect 2 vns; 235.1m: 2cm ca-qtz-bx + ga, sph; 235.5m: ca-ksp stkwk	20;40
236.0	238.0	TS dacite crystal tuff. Fresh					236.8m: cal-qtz bx + ga sph py; 237.4m: stkwk cal qtz-ksp+sph, py ± ga.	
238.0	240.0	TS dacite crystal lithic tuff.					238.0m: stkwk qtz-ksp-ca-py-sph; 238.8m: 3mm qtz-ca-py; 238.9m: 2mm qtz-py	35;80
240.0	242.0	TS dacite crystal lithic tuff.					240m: 0.7cm ca-qtz vn; 240.4m: 0.5cm qtz-py; 241.5-242m: bleached + silicif zone with diss py; 241.4m: 0.3cm qtz-ksp-py vn	40;45; 30;45
242.0	244.0	TS dacite crystal lithic tuff.					242.1m: 3mm qtz-py vn; 242.2m: 0.8cm silicif zone + diss py; 243.25-243.8m: fault zone; 243.4m: 4-5cm lamin qtz-ca-ksp	50;50; 30
244.0	246.0	TS dacite crystal lithic tuff.					244-246m: 6x lamin mylon qtz-py vn to 0.4cm	10

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
246.0	248.0	TS dacite crystal lithic tuff.					246-247m: fault parallel to CA graphite/mylonite +0.3cm qtz lamin ca-py; 247.32m: 0.5cm py-cp-sph; 247.7m qtz-epid to 0.7cm; 247.9m: 3x 0.3cm graphite - mylon veins	85;40; 40
248.0	250.0	TS dacite crystal lithic tuff.					248.3m: lamin qtz-py 0.3cm also at 2.48.55m; 248.5m qtz-ca-ksp to 0.3cm; 248.9m: 3mm solid py; 249-249.2m: silic fault bx + py; 250m: stockwork cal-ksp-qtz	45;20; 60
250.0	252.0	TS dacite crystal lithic tuff.					250.2m: 3mm qtz-py x2 vn; 250.1m: 0.6cm cal-qtz+ py, chl; 251m: 0.5cm stkwok qtz-ca-ksp vns	45;0
252.0	254.0	TS dacite crystal lithic tuff.					252.25m: 6x 0.2cm qtz-py vn; 252.6-253m: broken qtz-ksp-ca stkwk; 252.5m; lamin 3mm qtz-py	40
254.0	256.0	TS dacite crystal lithic tuff.					254.2m: qtz-py 0.3cm; 254.45m: 0.5cm qtz-ksp+ silic env; 254.8m 5x qtz-py 1mm; 255m: silicif zone + py; 255.1-255.3m: silicif zone + py; 255.5-255.9m: silicif zone + 8x qtz-py 0.2-0.4cm wide	45;40; 60;50; 40
256.0	258.0	TS dacite crystal lithic tuff.					256.2m: 0.6cm sheared zone; with 0.3cm qtz-py at 256.6m; 257.2-258m 15x ca-qtz-ksp 0.1-0.2cm wide; 257.95m 0.5 qtz-cal-py vn	40;40; 30;60
258.0	260.0	TS dacite crystal tuff. Fractured					258-260m: fractured perv ksp altered ca-ksp vnlts, minor pyrite	
260.0	262.0	TS dacite crystal tuff. Sheared					260-262m: fractured vein + pervasive ksp; 3x qtz-py 0.2cm at 260.8m	
262.0	264.0	TS dacite crystal tuff. Fractured					263m: fault bx silicif 2cm with qtz-ksp vn + 1.5cm no sulfide; 263.9m lamin qtz-ksp vein x3	
264.0	266.0	TS dacite crystal tuff. Faulted					Faulted at 250.2m-266.85m pyrite at 264.3-265.3	40
266.0	268.0	TS dacite crystal tuff.					Fractured to 266.4m pyritized soft to 256.8 silicif pyritized from 269-269.5m	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
268.0	270.0	TS dacite crystal tuff.					268-268.2m: silicif with remnants fresh; 268.3m 3x qtz-ca + py - chl, host silicif to 269.3m; 269.3m: 2cm qtz-massive py vn; 269.75m: 2cm qtz-ksp-py; 269.8m: 1cm qtz-py	10;75; 50
270.0	272.0	TS dacite crystal tuff.					270.0-270.7m: 10x qtz-py 0.2-0.7cm in silicif host qtz-ksp-veins; 270.8m-271.6m: minor qtz-py; 271.9-272.3, bleach + pervas ksp 0.2cm qtz py at 272m	50;40
272.0	274.0	TS dacite crystal tuff.					272-272.3m: Bleashed, kspr altd, bx qtz-py; 272.8m 0.2cm qtz-py + ksp env; 273.15m: 1cm qtz-py vn	45;45
274.0	276.0	TS dacite crystal tuff. Fresh					274.1-274.6m: 7x bleached env on small qtz py vns; 275.1m: lamin 1.5cm qtz-ksp-ca-py vn, qtz-ksp env	50;35; 35
276.0	278.0	TS dacite crystal tuff. Fresh					276.3m: qtz-py x2 2mm in 3cm silic env; 2770m: qtz-py-ksp 3mm	65;50
278.0	280.0	TS dacite crystal tuff. Fresh					279.78m: lamin qtz- py-graphite 0.5cm; 279.92m qtz-ca 4mm	40-50
280.0	282.0	TS dacite crystal tuff. Fresh					280.6-280.75m bleached lamin qtz-epid, 2mm cal-ksp-qtz	
282.0	284.0	TS dacite crystal lithic tuff. Fresh					282.4-282.8m: qtz-ksp, 3mm x2; 283.3m: 3mm ksp-qtz-diss py adj.; 283.5m: 6mm ksp qtz + diss py adj	20;60; 20
284.0	286.0	TS dacite crystal lithic tuff. Fresh					284.5m: 2x qtz-ca .3cm ; 284.8m: anastam cal-qtz-ksp-py; 285.4m: 0.4cm qtz-ksp; 285.9m: lamin qtz-py-ca-ksp	20;30; 50;30; 25
286.0	288.0	TS dacite crystal lithic tuff. Fresh					286.1m: 5x cal-ksp-qtz veins ±py, 2mm qtz-py + 1.5cm silic env; 286.6m: cal-ksp; 287.4, 287.6m: 1mm qtz-py + ksp env	45
288.0	290.0	TS dacite crystal lithic tuff. Fresh					288.25m: 2mm qtz-py + sil env; 289.5m: 3x qtz-ca-ksp-vns 2mm; 289.4m: 2cm bleach + silic env on lamin py-graph vn	75;40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
290.0	292.0	TS dacite crystal lithic tuff. Fresh					290.4m: minor bleaching on 2x 1mm qtz-py vn	
292.0	294.0	TS dacite crystal lithic tuff. Fresh					292.3m: 2x qtz-ca-ksp 3mm; 293.05m: 2mm qtz py; 293.5m lamin 4mm qtz-ca-ksp-py +bleach env; 293.7m: 0.4cm lamin 4mm qtz-ca-py + 1cm ksp env	40;45; 50;25
294.0	296.0	TS dacite crystal lithic tuff. Fresh					295.35m: 0.3cm qtz-py + 2cm silic env	15
296.0	298.0	TS dacite crystal lithic tuff. Fresh					297.35m: 0.3cm qtz-py +2cm silic env	20
298.0	300.0	TS dacite crystal lithic tuff. Fresh					298.55m, 298.75m: 2x cal-qtz-ksp	40
300.0	302.0	TS dacite crystal lithic tuff.					300.5m:0.75cm qtz-ca-ksp + py; 301.9m: 2mm qtz-ca	40;10
302.0	304.0	TS dacite crystal lithic tuff.					302.5m: qtz-ca-ksp 3mm; 303.3m, 303.65: 3mm qtz-ca-ksp; 303.8m: bleached	0;30
304.0	306.0	TS dacite crystal lithic tuff.					small qtz-ca-ksp vns	20;30
306.0	308.0	TS dacite crystal lithic tuff. Fresh					306.3m: 2-3mm ca-qtz-ksp veins; 307.1m: 5mm ca-ksp-qtz vn; 307.7-307.85m: 3x ca-ksp-qtz vns	15;5 ;30
308.0	310.0	TS dacite crystal lithic tuff. Fresh					308.1m: 0.8cm ca-qtz-ksp; 308.3m: 3mm ca-qtz-ksp; 309.2m: 4mm lamin ca-qtz-ksp	15;20; 20
310.0	312.0	TS dacite crystal lithic tuff. Fresh					210.65m 2x2mm qtz-ca ksp, 2mm; 311.5m: 3mm ca-qtz-ksp	30;0
312.0	314.0	TS dacite crystal lithic tuff. Fresh					312.5m: 6mm ca-qtz-ksp vn: 312.6m: 2x2mm ca-qtz-ksp; 312.65m: anastamo 1cm qtz-ca-ksp	40;60; 20
314.0	316.0	TS dacite crystal tuff. Fresh					314.1: 2mm cal-qtz-ksp; 315.35m: qtz-py 0.4cm, sil-ksp alt'd zone 0.15m lamin qtz-ca-mylon bx.	20
316.0	318.0	TS dacite crystal tuff. Fresh					316m: 4cm silic zone on 4x0.5cm massive py vn	60
318.0	320.0	TS dacite crystal tuff. Fresh					319.5m: 5mm qtz-ca-ksp-py in 2.5cm silic-ksp env; 319.9m: 10cm wide zone of silica + 2-3mm py-cpy vns	45;30

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
320.0	322.0	TS dacite crystal tuff. Fresh					320.35m: 4x 3mm cal-ksp veins; 320.75m: 4mm qtz-py, 1.5cm silic env	60;35
322.0	324.0	TS dacite crystal tuff. Fresh					322.14m: 1cm qtz-py ksp; 322.95m: 1cm qtz-ksp env on 5mm qtz-py vn; 323.4m: 0.5cm massive py x2m in 2cm qtz-ksp - chl	60;45; 50
324.0	326.0	TS dacite crystal tuff. Fresh					small qtz-ksp ±ca vnlts; sparse py on fracts	
326.0	328.0	TS dacite crystal tuff. Fresh					same blocky core	
328.0	330.0	TS dacite crystal tuff. Ksp altd					328m: 1cm qtz-ksp; 328.25m: 1-2cm qtz-ca-ksp-epid anastam.; 328.5m: shear bx vein; 328.75m: same 2cm; 328.8m: netwrk 1-2mm qtz-ksp-	40;30; 80;30
330.0	332.0	TS dacite crystal tuff. Fresh					330m: 3mm qtz-ksp; 331.0: 0.7cm qtz-ksp-ca; 332.7m: 2mm qtz-ksp-py, 331.65m: 2x qtz-cpy	10;15; 45;35
332.0	334.0	TS dacite crystal tuff. Fresh					332.6m: 2mm qtz-py; 333.1m: 2mm qtz-py; 333.4m: 2mm qtz-ca-chl	60;46; 20
334.0	336.0	TS dacite crystal tuff. Fresh					minor qtz py veins	
336.0	338.0	TS dacite crystal tuff. Fresh					336.0m: lamin qtz-py; 337.3m: 2x 1mm qtz-py; 338m: 2mm qtz-ksp-py vn	70;60; 30
338.0	340.0	TS dacite crystal tuff. Fresh					339m: qtz-ksp 2mm; 339.2m: 4x 1mm qtz-py; 330/6m: 8mm cal-ksp-qtz + ksp env; 340m: 2x3mm qtz-ksp-ca; 339.35m: 1mm py-cpy chl	15;20; 45;60
340.0	342.0	TS dacite crystal tuff. Fresh					340.25m: 4mm ca-ksp; 340.6m: 6mm qtz-ksp-ca-py in 3cm ksp env.; 340.05m: 4x1mm qtz-py	35;40; 50
342.0	344.0	TS dacite crystal tuff. Fresh					342.7m: 3x 2mm qtz-py	50
344.0	346.0	TS dacite crystal tuff. Fresh					344.7m: qtz-py-chl; 345.63m: 8x 1mm qtz-py, bleaching	45;50
346.0	348.0	TS dacite crystal tuff. Fresh					346.1m: 7x stkwk qtz-ksp-2mm+py; 347m: 3x 1mm qtz-py in 1cm silic env; 347.8m: 5x 2mm qtz-py-ksp	40;40

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
348.0	350.0	TS dacite crystal tuff. Fresh					348.3m: 3mm qtz-ksp network, qtz-py 1mm; 348.75m 2x 1mm qtz-py-ksp; 349.8m: 2mm qtz-ksp	25;5
350.0	352.0	TS dacite crystal tuff. Fresh					351m: 8x qtz-py, 2-3mm in 25cm ksp env; 352m: 5mm qtz-ksp	15;25
352.0	354.0	TS dacite crystal tuff. Fresh					353.2m: 3mm qtz-ksp	25
354.0	356.0	TS dacite crystal tuff. Fresh					355.1m: 2mm qtz-ksp-py stkwk; 355.2m: 7mm sheared qtz-ksp-py; 356m: 0.7cm qtz-ksp-py-sph(cpy);	35;70; 15;15
356.0	358.0	TS dacite crystal tuff. Fresh					356.2m: 0.2cm qtz-ksp; 356.65m: 4mm qtz-py; 356.9m: 1mm qtz-py + 3mm qtz-ksp	20;65; 30
358.0	360.0	TS dacite crystal tuff. Fresh					358m: 3mm qtz-ksp-py (sph,)cpy); 358.5m: 3x 2mm qtz-ksp-py-sph-cpy vn; 358.98m: 2mm qtz-ksp-py-sph-cp	10;10; 10
360.0	362.0	TS dacite crystal tuff. Fresh					360-361m: broken stkwk qtz-ksp-ca veins; 361.5m: silicif-py env, 4cm qtz-py-sph-ep	
362.0	364.0	TS dacite crystal tuff.					362.7m: 3mm qtz-py-ksp env; 363.3m: 2mm qtz-ksp; 363.6-364m: 1mm qtz-ksp	60;20
364.0	366.0	TS dacite crystal tuff.					364.2m: 2mm qtz-py in 2cm ksp env; 364.55m: 4x 2mm qtz-ksp; 365.2m: 6mm qtz-ksp-bx	20;25; 45
366.0	368.0	TS dacite crystal tuff.					366.6m: silicif zone with 4x5-7mm qtz-py vn	55
368.0	370.0	TS dacite crystal tuff.					368.7m: stkwk qtz-epid-py 1mm; 369.5m: 8mm qtz-ca-ksp; 369.85-370m: perv ksp adj 1mm qtz py	20
370.0	372.0	TS dacite crystal tuff.					370.05m: 7mm qtz-py; 371-371.75m: 3cm qtz-py, 25cm qtz-massive py (cpy, sph)	85
372.0	374.0	TS dacite crystal tuff.						
374.0	376.0	TS dacite crystal tuff. Fresh					374.0m: 2x qtz-py-cp 0.2cm; 374.05m: silicif + 3qtz-py 2-5mm; 374.9m: 2mm qtz-ksp; 375-276m: 7x2-3mm qtz-ksp-ca	20;70; 70
Lithology/Alteration			Mineralization					

From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
376.0	378.0	TS dacite crystal tuff. Kspar-alt'd					376m: 5x qtz-ksp-py±ga in ksp env; 376.52m: 2x qtz-py 3mm in ksp env.; 376.55-378m: 10x 1-3mm qtz-py ±ksp, ca	40;45
378.0	380.0	TS dacite crystal tuff. Kspar-envelopes					377-378m: 9x 1-2mm qtz-py-ksp; 378.15m: 12x 1-2mm qtz-ksp-py; 378.9m: 8mm ca-qtz-py(cpy)	85
380.0	382.0	TS dacite crystal tuff. Broken at 381					380-381m: 14x 1-2mm qtz-ksp-py-ca, perv ksp; 381.15m: silic zone + 5cm fault + 5x 2-4mm py; 381.4m: 1.5cm qtz-ca-ksp; 381.5m: 3x 3-5mm qtz-py	5;50
382.0	384.0	TS dacite crystal tuff. Silicified					382-382.4m: silicified; 382.4m: 15cm ksp-qtz vein + 5x py; 382.5m: fault +py; 382.6m: silicifed + 6x py+ca; 383m: silicif + 4x 0.2cm py; 383.8m: 2.2cm qtz-py	30;70
384.0	386.0	TS dacite crystal tuff. Faulted bx'd to 385					384m: fault; 384.2m; mosaic by cal-ksp-qtz + py matrix; 385m: 3x ca-py; 385.7m: qtz-ca-ksp; 385.8m: stkwk qtz-ksp	70
386.0	388.0	TS dacite crystal tuff.					386-386.3m: qtz-ksp + 2mm qtz-py in 25c perv-ksp; 387.15m: 0.4cm qtz-cal-ksp-py; 387.5m: sheared with qtz-ksp-py 1cm wide; 387.8m: 1.5cm qtz-ca	60;65; 30
388.0	390.0	TS dacite crystal tuff.					388.0-388.8m: 7x 1-2mm qtz-py-ksp; 389m; fault gouge, pyrite, 389-390m : 3x 1-3mm qtz-py+ ksp env	
390.0	392.0	TS dacite crystal tuff.					390m: fault gouge with pyrite; 390.4m: 2mm qtz-py + 1.5cm ksp env; 390.45m: fault gouge with py; 391.35m: 4x 1-3mm qtz-py faulted	45;80; 60
392.0	394.0	TS dacite crystal tuff. Fresh					392.15m: 2x 2mm qtz-ksp; 392.45m: 2mm qtz-py; 392.95m: 4mm qtz-py ksp ±cpy; 393-394m: 2x 2mm qtz-py ksp	65;30; 35;20
394.0	396.0	TS dacite crystal tuff. Fresh					394.95m: 7mm qtz-ksp-py; 395.3m: 2cm qtz ksp; 395.6m: 3mm qtz-ksp (py); 395.85m: 2x 2mm qtz-py-ksp	65;30; 35;70
Lithology/Alteration			**Mineralization**					

From (m)	To (m)	Lithology/Alteration	From (m)	To (m)	Size	Mode	Description	CA
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
396.0	398.0	TS dacite crystal tuff.					397.25m: 3mm qtz-py-ksp; 397.3m: stockwk qtz-py ± ksp 1mm; 397.55m: 3mm cal	15;40
398.0	400.0	TS dacite crystal tuff.ksp altd 398.5-400					398.4m: 1.5cm lamin qtz-py-ksp-mylon; 398.45m: stkwok qtz-ksp-py +pervas ksp; 399.2m: qtz-ksp-py 3mm	45
400.0	402.0	TS dacite crystal tuff.					400m: 2mm qtz-ksp-py; 400.6m: 3x zones qtz-ksp-py; 401.1m: 2mm qtz-py-ksp; 401m: 7mm lamin qtz-ca-ksp-py	0;40; 35
402.0	404.0	TS dacite crystal tuff. Fresh					402-403m: patchy epidote; 403.1m: anhydrite 1mm; 403.8m: 5mm anhydrite - epidote	60;50
404.0	406.0	TS dacite crystal tuff. Fresh					404.2m: 8mm ca-qtz-ksp-sph, ga, py; 404.15m: 5m qtz-ksp-py-sph-ga; 405.2m: 3mm py (cpy) + ksp	55;55
406.0	408.0	TS dacite crystal tuff.					406m: blue mineral in 2 veins with cpy, py (sodelite?); 406.25m: qtz-ca-sph-ga 1cm ; 407m: 3mm qtz-py-cpy; 407.3m: 1cm epid, 1c cal	50;70; 20
408.0	410.0	TS dacite crystal tuff.					408: 1cm -ca-ksp-qtz-ep-(cpy); 408.4m: 5cm qtz-ksp-ep-ca-py (cpy); 408.95m: 5mm	25;25; 60;60
410.0	412.0	TS dacite crystal tuff.					410.6m: 4mm ca-qtz-ksp; 410.8m: 6x 1-2mm py-qtz; 411.15m: 1-2cm qtz-masive py-ksp; 411.25m: 3mm ksp-qtz; 411.7m: 4x 1mm ksp-qtz-ksp-py	20;80; 20
412.0	414.0	TS dacite crystal tuff. Weak chlorite					412.6m: 2mm qtz-ksp-py; 412.85m: 3x2mm qtz-py-ksp-perv; 413-414m: 8x 1-2mm qtz-ksp-py	20
414.0	416.0	TS dacite crystal tuff. Weak chlorite					415.75m: 4mm qtz-ksp-ca; perv-ksp	50
416.0	418.0	TS dacite crystal tuff.					416-417m: 3x 1-2mm qtz-py-ksp; 417-418m: 7x 1-2mm qtz-py ksp	
418.0	420.0	TS dacite crystal tuff.					418.25m: 2x2mm qtz-py-ksp; 418.4m: 2x 0.5cm qtz-ksp-ca-py-epid in ksp env; 418.75m: 4x1mm qtz-py	90
		Lithology/Alteration					**Mineralization**	

420.0	422.0	TS dacite crystal tuff.					420m: 18x 1-2mm qtz-py-ksp veins; 420-421m: 10x 1-2mm qtz-py-ksp; 421-422m: few veins	50;60
422.0	424.0	TS dacite crystal tuff.					422.2m: 5x 1-2mm qtz-py-ksp veins; 422.8m: 4x ca-qtz-ksp-py veins + epidote; 423-424m: silicif + ksp+qtz-py veins	45;50; 60
424.0	426.0	TS dacite crystal tuff.					424.45m: 3mm ca-ep-qtz; 424.8m: 8mm mass py-qtz; 424.9m: 8cm lamin ca-qtz-ksp-mylon; 425.1m: 1cm qtz-ca; 425.9m: 1cm ksp-qtz-py	40;75; 75;30; 75
426.0	428.0	TS dacite crystal tuff.					426.65m: 1cm qtz-ksp-py-ca	
428.0	430.0	TS dacite crystal tuff.					428-429m: 3x qtz ksp-py, 1-2mm ± ca; blocky; 429-430m blocky	70
430.0	432.0	TS dacite crystal tuff.					430.2: 8mm ksp-ca; 430.5m: 2x 2mm ksp-qtz; 430.8; 5mm qtz-ksp-py-mt; 431m: 4mm qtz-ksp-py	20;10; 60
432.0	434.0	TS dacite crystal tuff.					432m: 5mm ca-ksp: 432.85m: 1.5cm qtz-py ksp env; 433.3m: 8mm qtz-py-ksp; 435.8m: 4cm ksp env; 3qtz py vns	10;75; 80;70
434.0	436.0	TS dacite crystal tuff.					434.15m: 2mm qtz-py; 434.2m: 2x2cm qtz-py; 435.65m: qtz bx + ksp	50
436.0	438.0	TS dacite crystal tuff.					436.3m: shear + qtz-ksp-py x4; 436.7m: ksp lamin _ py; 437-438 5x 1cm qtz-py	50;55
438.0	440.0	TS dacite crystal tuff. Fresh					438.45m: 2mm qtz-ksp-py	55
440.0	442.0	TS dacite crystal tuff. Fresh					440m: 5x 1-2mm qtz-py; 441.3m: 3mm lamin qtz-cal-py + 2mm qtz-py; 441.8m: 5x 1mm qtz-py	10;80
442.0	444.0	TS dacite crystal tuff. Fresh					442.4m: 4mm qtz-py in 1cm ksp env; 442.4m: 12x 1-2mm qtz-py; 442.9m: 3mm qtz-py chl; 443m: 2x 1mm qtz-py; 443.1m: 8x 1mm qtz-py	80;10; 60;65

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
444.0	446.0	TS dacite crystal tuff. Fresh					444m: 4x 1mm qtz py; 444.5m: 0.6cm qtz-py in 1.5cm ksp env; 444.95m: 1cm qtz-ksp-py; 445.1m: 2mm qtz-py in 1.5cm ksp; 445.3m 1cm massive py in 2cm ksp vein + 6cm ksp env	75;60; 80;80; 60
446.0	448.0	TS dacite crystal tuff. Fresh					446.7m: 2mm qtz-py + 8x 1mm qtz+ ksp-py	60
448.0	450.0	TS dacite crystal tuff. Fresh					448.7m: 3x ksp-epid 1mm vein; 449m: 1.2cm qtz-py + 2x 0.5cm qtz-py in ksp-ca	50;55; 50
450.0	452.0	TS dacite crystal tuff. Fresh					450-451m: shear zone ksp-qtz-mylon-chl-epid -py;	50
452.00	453.15	EOH					451 to 453.15m: EOH small vns	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
0.0	6.0	casing overburden					minor diss pyrite	
6.0	8.0	TS dacite crystal tuff - oxidized (broken core 7.0m					minor diss pyrite 11-12m	
8.0	10.0	TS dacite crystal tuff. Broken					minor diss py	
10.0	12.0	TS dacite crystal tuff. Broken					minor diss py	
12.0	14.0	TS dacite crystal tuff. Broken					16-17m: fault at 16.4m; silicif from 16.4m-17.0, py; 17-17.5m: silic vein +py, + diss py	
14.0	16.0	TS dacite crystal tuff. Broken					minor diss py	
16.0	18.0	TS dacite crystal tuff. Broken					minor diss py	
18.0	20.0	TS dacite crystal tuff. Broken					c.g pyrite vein fragments + diss py	
20.0	22.0	TS dacite crystal tuff. Broken					minor diss py an dpy on fractures	
22.0	24.0	TS dacite crystal tuff. Broken					minor diss py	
24.0	26.0	TS dacite crystal tuff. Broken					minor diss py	
26.0	28.0	TS dacite crystal tuff. Broken					minor diss py	
28.0	30.0	TS dacite crystal tuff. Broken					minor diss py	
30.0	32.0	TS dacite crystal tuff. Broken					minor diss py	
32.0	34.0	TS dacite crystal tuff. Broken					chloritized partly silicifed. Qtz-py vein fragments	
34.0	36.0	TS dacite crystal tuff. Broken					34-35m: partly silic frags; 1-3mm py vein + silicieous envelopes	
36.0	38.0	TS dacite crystal tuff. Broken					sparce small qtz-py veins	
38.0	40.0	TS dacite crystal tuff. Partly silicified					sparse small qtz-py veins	
40.0	42.0	TS dacite crystal tuff.					8x 1-3mm qtz-py veins in silicified tuff	
42.0	44.0	TS dacite crystal tuff.					silicified tuff, 4x2-3mm qtz-py veins above fault at 44	
44.0	46.0	TS dacite crystal tuff.					slicified tuff faulted 3x 1-2mm qtz py vein	
46.0	48.0	TS dacite crystal tuff.					silicified minor diss pyrite	
Lithology/Alteration			Mineralization					

HOLE NO. SOM07-02 GEOLOGICAL DESCRIPION

From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
48.0	50.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
50.0	52.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
52.0	54.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
54.0	56.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
56.0	58.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
58.0	60.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
60.0	62.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
62.0	64.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
64.0	66.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
66.0	68.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
68.0	70.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
70.0	72.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
72.0	74.0	TS dacite crystal tuff. Broken					silicified argillized fault zone, minor diss py, small py veins	
74.0	76.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
76.0	78.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
78.0	80.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
80.0	82.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
82.0	84.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
84.0	86.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
86.0	88.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
88.0	90.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
90.0	92.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
92.0	94.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
94.0	96.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
96.0	98.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
98.0	100.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
100.0	102.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
102.0	104.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
104.0	106.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
106.0	108.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
108.0	110.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
110.0	112.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
112.0	114.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
114.0	116.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
116.0	118.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
118.0	120.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
120.0	122.0	TS dacite crystal tuff. Broken					silicified argillized diss + vein pyrite	
122.0	126.0	TS dacite crystal tuff. Broken to 125m.					125-126m: shear with qtz-ksp-py over 2cm; 126.2m: 5mm qtz-anhyd-cpy-sph-gal-py	50;5
126.0	128.0	TS dacite crystal tuff.					15x 1-2mm anhy±py veins	50;5
128.0	130.0	TS dacite crystal tuff.					129.15m: qtz-anhyd-cpy-sph-py veins 0.2-.04cm wide	15
130.0	132.0	TS dacite crystal tuff.					3x anhydrite veins	60
132.0	134.0	TS dacite crystal tuff.					anhydrite 1-2mm veins; qtz-py ±cpy	20;25

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
134.0	136.0	TS dacite crystal tuff.					anhydrite 1-2mm veins	
136.0	138.0	TS dacite crystal tuff.					anhydrite veins sheared qtz-py 4mm in 1cm dark grey silica env at 137	
138.0	140.0	TS dacite crystal tuff.					multiple anhydrite veinlets	
140.0	142.0	TS dacite crystal tuff.					anhydrite vein at 140.2-140.5m	
142.0	144.0	TS dacite crystal tuff.					2x lamin ksp-mylonite-py to 5mm	
144.0	146.0	TS dacite crystal tuff. Contact with grey andesite dyke					145.25m: 2mm blue chlorite(?) py-cpy vein; 145.5m: anhydrite-calcite to 4mm; 145.9m 2x 4mm anhydrite	25;40; 10
146.0	148.0	andesite porph dyke, fresh					147.9m: 3mm qtz-ksp ±py vn; 12 1mm ahnydrite vnlts	30;50
148.0	150.0	andesite porph dyke, anhydrite veins					148.2m:anhydr-py vn; 148.75m: anhyd vein to 3mm	40
150.0	152.0	andesite porph dyke					anhyd + ksp - ksp- qtz vnlts, minor py	
152.0	154.0	andesite porph dyke					152m: 6mm ksp-qtz-ep-mylon shear vn; 153m: 2mm ksp; 153.55m: 2mm ksp-qtz-mylon-py	15;10; 25
154.0	156.0	andesite porph dyke - ksp pink					154m: 2x 2mm qtz-py; 154.15m: 3mm qtz-ksp-py; 154.3m: 3x ksp-qtz-2mm	50;40; 30
156.0	158.0	andesite porph					156m: 4mm ksp vn; 156.5m: 3mm ksp-qtz-vn; 157.5m: 2mm qtz-ksp-py	20;35; 10
158.0	160.0	andesite porph dyke - ksp pink					158.85m: 4mm qtz ksp ± py	10
160.0	162.0	andesite porph dyke - ksp pink					no veins	
162.0	164.0	andesite porph					163.1m: 5mm lamn qtz-ksp; 162.8m: 2mm qtz	25;20
164.0	166.0	Andesite proph/ TS dacite:					contact at 165.05m; 165.5m: shear zone qtz-ksp-mylonite	20;40
166.0	168.0	TS dacite crystal tuff with anhyd alt'n, + clay alt'd					166m: 5x 3-5mm qtz-cal; 166.5m: 5mm qtz; 167m: 6mm qtz; 167.75m: 2x qtz-ca to 2cm	35;50; 10;50
168.0	170.0	TS dacite crystal tuff.					168m: 0.3cm shear veins 4x 4mm qtz-ca-py; 109m: 3x qtz-ca-mylon; 169.3m: 4cm qtz-ca-py	25;25; 55
170.0	172.0	TS dacite crystal tuff. Ands porph at 171					170m: 5cm ca-qtz shear vein; 170.8m: 2mm qtz-anhyd-py; 171m: shear veins	15;10
172.0	174.0	andesite proph to 172.5m/TS contact at 50°					1.5m andes porph dyke; 12x 1-2mm qtz-anhyd-py veins	20

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
174.0	176.0	TS dacite crystal tuff					175-176m: 9x 1-2mm qtz-anhyd-py	15
176.0	178.0	TS dacite crystal tuff					177.6m: 3mm anhyd-py	
178.0	180.0	TS dacite crystal tuff					178.3m:4mm qtz-ksp-mylon; 179m:3mm qtz	20;0
180.0	182.0	TS dacite crystal tuff					180.6m: 3mm anhyd-py + 2mm qtz-anhyd-py; 180.9m: 4mm qtz-ksp; 181.8m: 2x 1mm	25;30; 10
182.0	184.0	TS dacite crystal tuff					182.7m: 6mm qtz-ca-ksp-mylon+py, cpy in 1.5cm env; 185.2-184m: lamin 5mm qtz+ksp, ca, mylon+py, cpy, sph	15;10
184.0	186.0	TS dacite crystal tuff; kspr					184-184.4m: lamin 6mm qtz-ksp-py; 184.7m: 2mm qtz-ksp	5;10
186.0	188.0	TS dacite crystal tuff					187-187.5m: 2x3mm anhyd-py; 187.6-188m: 1.5cm lamin qtz-ksp-anhydrite-py	
188.0	190.0	TS dacite crystal tuff; kspr					188-189m: lamin 7mm ksp-qtz-ca±, cpy, sph	0
190.0	192.0	TS dacite crystal tuff					191m: ksp-anhyd x2, 3-4mm	
192.0	194.0	TS dacite crystal tuff; and porph; broken core from 192-193m					193m: clay altd and fault contact with andesite porphy dyke	20
194.0	196.0	Andesite prophyry					195m: 4mm py - anhyd; 195.6m: 2mm py-anhyd	
196.0	198.0	Andesite prophyry/TS					contact at 196.6m: 197-198m: 6x 1-2mm anhyd-qtz-py	
198.0	200.0	TS dacite crystal tuff					198-199m: 17x 1-2mm qtz-anhyd-py, cpy; 199-200; 7x 1-2mm qtz-py-cpy	20;20
200.0	202.0	TS dacite crystal tuff-Fresh					200.4m: 4x 2-4mm qtz-ksp-py; 200.7m 3x3mm qtz-ksp-py;	20;20
202.0	204.0	TS dacite crystal tuff-Fresh					201.9m: lamin -qtz ksp mylon; 203.1m: qtz-ksp 3mm	
204.0	206.0	TS dacite crystal tuff-Fresh					205m: 3x qtz-ksp 2-4mm; 205.4m: 7mm qtz-ksp-epid-py; 205.8m: 3mm qtz-py	20;35; 60
206.0	208.0	TS dacite crystal tuff-Fresh					small anhyd vnlts	
208.0	210.0	TS dacite crystal tuff					10x 1-2mm qtz-py ± anhyd	25
210.0	212.0	TS dacite crystal tuff-Fresh					211.4m: 4mm qtz -masive py; 212.45: 5mm qtz kspar massive.py to 5mm	10;20
212.0	214.0	TS dacite crystal tuff-Fresh						25;30
214.0	216.0	TS dacite crystal tuff					214.3m: 5mm lamin qtz chlorpy; 215.4-215.7m: 3x 2mm calcite	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
216.0	218.0	TS dacite crystal tuff-Fresh					217-218m: multiple 1mm qtz-py	15;40
218.0	220.0	TS dacite crystal tuff-Fresh					219.1m: 5mm lamin qtz py; 220m: lamin qtz ksp + lamin qtz-py	
220.0	222.0	TS dacite crystal tuff-Fresh					multiple 1mm qtz-py	
222.0	224.0	TS dacite crystal tuff-Fresh					223.5m: 2mm 3x ksp veins	40;40
224.0	226.0	TS dacite crystal tuff Bleached 224-					224.2m: 3mm qtz py (mo, sph); 225.8m:	50
226.0	228.0	TS dacite crystal tuff broken					227.1m: fault	
228.0	230.0	TS dacite crystal tuff bleached						35
230.0	232.0	TS dacite crystal tuff					230.7m: 3mm qtz-py-chl	20
232.0	234.0	TS dacite crystal tuff-Fresh					232m-233m 13x 1mm qtz-py	
234.0	236.0	TS dacite crystal tuff-Fresh					12x1 qtz-py+/- ksp	
236.0	238.0	TS dacite crystal tuff-Fresh					13x1 qtz-py+/- ksp	30;25
238.0	240.0	TS dacite crystal tuff-Fresh					238.7m-238.77m, 239.15m: Multiple lmm qtz-ksp-py vnlts; massive pyrite; 239.45m: 2mm anhyd-py	25;30; 25
240.0	242.0	TS dacite crystal tuff-Fresh					240.2m: 3mm qtz-chl-anhyd-py; 12 1mm qtz ksp-py; 241.1m: 8mm lamin qtz-ksp-chl	30
242.0	244.0	TS dacite crystal tuff					242.1m: 6mm py	
244.0	246.0	TS dacite crystal tuff kspar alteration						
246.0	248.0	TS dacite crystal tuff					247.1: 7mm qtz-ksp; 247.75m 7mm massive	
248.0	250.0	TS dacite crystal tuff kspar alteration					248.45m: 3mm py-qtz-chl; 248.6m: 2x 3mm qtz-py-cpy; 248.8m: 2mm py+chl-qtz	50;80; 60
250.0	252.0	TS dacite crystal tuff 249.5-251 broken					251m: faulted qtz-ksp-cal-py-chl vein; 1cm; 251.3m: 1 cm qtz-ksp	25;40; 20
252.0	254.0	TS dacite crystal tuff broken					253.5m: 1.2cm massive py-qtz-ksp-chl	10
254.0	256.0	TS dacite crystal tuff intense stkwok ksp-vns					254.6m: 3mm qtz py; 255.2m: massive py to 7mm; 255m: 2mm qtz py	40;5
256.0	258.0	TS dacite crystal tuff shear zone					256-257m sheared zone with massive py vn;	0
258.0	260.0	TS dacite crystal tuff; fault to 260					259.45m: massive py vn	
260.0	262.0	TS dacite crystal tuff					faults 260.3m; 261.55m: 2x 2mm qtz-py	
262.0	264.0	TS dacite crystal tuff					py veins at 262m; 5mm vein at 252.7m; py-chl-qtz vn at 264.7m	30
Lithology/Alteration			Mineralization					

From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
264.0	266.0	TS dacite crystal tuff; kspr					shear at 264m; pyrite at 264.65m; 265.4m: 5mm qtz-py; fault at 265.55m	35;40; 40
266.0	268.0	TS dacite crystal tuff; kspr					266.45m: qtz-py-ksp 3mm; 266.6m: qtz-py-chl to 7mm	15;45
268.0	270.0	TS dacite crystal tuff; kspr					small qtz-cal veinletts	
270.0	272.0	TS dacite crystal tuff; fault 270.5-271m					271m: 1.5cm cal-ksp env	20
272.0	274.0	TS dacite crystal tuff; kspr					273.4m: 1.5cm shear ksp-mylon-qtz-py; 273.8m: 1.5cm qtz-py offset on fault	20;20
274.0	276.0	TS dacite crystal tuff					275m: 7mm qtz-ksp	0
276.0	278.0	TS dacite crystal tuff					276.45m: 2x qtz-ca to 5mm; 277.5m: 5mm qtz-ksp env	50;10
278.0	280.0	TS dacite crystal tuff; kspr						
280.0	282.0	TS dacite crystal tuff; chl-kspr					280.75m: 5mm cal vn; 281m: irreg ca veins;	40
282.0	284.0	TS dacite crystal tuff; chl-kspr					282.7m: stockwork kspr-cal	
284.0	286.0	TS dacite crystal tuff; faulted					285.1m fault qtz-fault breccia to 286.3m; diss py	
286.0	288.0	TS dacite crystal tuff; kspr					qtz fault bx to 286.3m + diss py; qtz-ksp-ca veinlets to 288	
288.0	290.0	TS dacite crystal tuff; kspr					288.2m: 4cm ksp env on 2x 1mm qtz-py-chl veins	20
290.0	292.0	TS dacite crystal tuff; intense kspr					290.5m: shear vein adj to 1cm qtz-ksp-chl-mylon vn	10
292.0	294.0	TS dacite crystal tuff; intense kspr altn + faulting					Intense brick red-brown kspr altn. No veins; fault at 293.5m	
294.0	296.0	TS dacite crystal tuff; intense kspr					294.5m: 1.5cm qtz-ksp at 294.7m + parallel fault veinlets at 295m; with minor py	25
296.0	298.0	TS dacite crystal tuff; kspr					pyrite blebs in ksp altered tuff, stockwrk ksp veinlets	
298.0	300.0	TS dacite crystal tuff; kspr envelopes					298m: 5mm qtz-py + ksp env; 298.25m: 1mm qtz-py+ 2cm ksp env; 298.75m: 4mm qtz-ksp chl py	40;45; 41
300.0	302.0	TS dacite crystal tuff					300.75m: 5mm qtz-py ksp	50
302.0	304.0	TS dacite crystal tuff; kspr envelopes					302.55m: qtz-ksp-py 3mm; 303.95m: 3mm chl-ksp + py; 304.2m: 2mm qtz-py ksp	15;15; 85
Lithology/Alteration			**Mineralization**					

From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
304.0	306.0	TS dacite crystal tuff					ksp± ca stockwork veinlets	
306.0	308.0	TS dacite crystal tuff; intense kspr					stockwork qtz-py + qtz-ksp py vnlts	
308.0	310.0	TS dacite crystal tuff; kspr envelopes					308-309m multiple qtz-py vnlts; 309.45m: 3mm qtz-py chl	35
310.0	312.0	TS dacite crystal tuff; kspr envelopes					310m: 5mm qtz-ksp-ca-py; stockwork qtz-ksp-py veins 1mm	20
312.0	314.0	TS dacite crystal tuff stockwork					small qtz-ksp-py veins	
314.0	316.0	TS dacite crystal tuff					small qtz-ksp-ca veins+ py; 315.5m: 1.5cm ksp-ca-qtz+py	30
316.0	318.0	TS dacite crystal tuff					316.8m: 5mm qtz-ksp-ca; 317m: 7mm ca-ksp	10;20
318.0	320.0	TS dacite crystal tuff					318.4m: 7-12mm ca-ksp	5
320.0	322.0	TS dacite crystal tuff					stockwork ca ksp veins	
322.0	324.0	TS dacite crystal tuff					322m: 8x 1m qtz ksp py; 323.1m: 3mm py-chl; 323.6m: irregular ca-ksp veins	45;30
324.0	326.0	TS dacite crystal tuff					326.2m: 8mm ksp ca offset by 4mm qtz-ksp; 326.85m: 8cm ksp envel on 2mm qtz-py vn	15;50
326.0	328.0	TS dacite crystal tuff					327.2m: 5mm qtz-ksp; 328.3m: 5mm mass py	50
328.0	330.0	TS dacite crystal tuff					329.1m: 2x qtz py chl vns 4mm, 2mm: 329.3m: 2x6mm massvie py qtz chl; 329.55m: 7mm lamin qtz ksp ca-chl py	25;15; 40
330.0	332.0	TS dacite crystal tuff					330m: 2x 5-7mm qtz-ksp-ca + py; 330.6m: 2mm qtz py vn; 330.7m: 2mm qtz py vn	15;70
332.0	334.0	TS dacite crystal tuff					333.2m: faulted vein 10mm ksp-chl-ca; 333.3 1-2mm qtz py veins + chl	
334.0	336.0	TS dacite crystal tuff; kspr envelopes					small qtz-ksp-ca veins ±py	
336.0	338.0	TS dacite crystal tuff					336.1m 2x 5mm ca-ksp; 336.5m: 6x 1-2mm qtz-py	50
338.0	340.0	TS dacite crystal tuff; kspr envelopes					338.2m: 3mm qtz-py chl + 5mm ca-ksp; 339.2m: 2mm qtz-chl-py; 339.8m: 4mm qtz py chl	60;80; 30
		Lithology/Alteration					**Mineralization**	

From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
340.0	342.0	TS dacite crystal tuff					340m: 2x ca-ksp-qtz; 340.45m: 2x 4mm qtz-ksp py; 341.4m: 1cm diss py in qtz-ksp env to 5cm	10;40;40
342.0	344.0	TS dacite crystal tuff					342.85m: 5mm qtz-chl-py + 2mm qtz py; 344.5m: ksp envelop on 1mm qtz-py vn	40
344.0	346.0	TS dacite crystal tuff					345.2m: 4mm qtz-chl-py; 345m: 13x qtz-chl massive py; + ksp env	45;70
346.0	348.0	TS dacite crystal tuff					346.1m: 2cm massive py-chl+ 4x 2mm qtz-	70
348.0	350.0	TS dacite crystal tuff					349.2m: 3mm qtz-py ca; 349.8m: 2mm qtz-	80;50
350.0	352.0	TS dacite crystal tuff					350.5m: perv silicif + diss py; 351m: silicf + massive py 2-8mm	55
352.0	354.0	TS dacite crystal tuff					352.65m: 5mm qtz-ca-ksp-py; 353m: 7mm ksp-py + 1-2mm qtz-py; 353.6m: 8mm qksp-qtz + py; 353.9m: 4x 5m ca-ksp	30;50;30
354.0	356.0	TS dacite crystal tuff					354.3m: massive py + veins + 4mm ca vn; 355-356m: 3x 1cm qtz-ksp veins in silicif	50;35
356.0	358.0	TS dacite crystal tuff					356.5m: stockwork in 5-10mm ksp-qtz-ca	
358.0	360.0	TS dacite crystal tuff					358.6: 2mm qtz-py; 358.8m: 2x 2-3mm qtz -chl py; 309.3m: 2x qtz-ca-ksp	60;80;75
360.0	362.0	TS dacite crystal tuff					360m: ksp-qtz-ca; 360.9m: 3mm qtz-chl-py; 361.6m: 4x 1mm qtz-ksp-py	
362.0	364.0	TS dacite crystal tuff					stockwork 1mm qtz-ksp-py	
364.0	366.0	TS dacite crystal tuff; intense ksp altn					364.1: 1cm massive py-chl; 364.5m: 0.7cm qtz-chl-ksp env; 365.52m: 6mm qtz-chl - py	60;35;80
366.0	368.0	TS dacite crystal tuff; kspr envelopes					366.1m: 5mm bue grey qtz + diss py; 366.2m: 5mm qtz-py-cal; 366.7m: 3x 2-	0;40;60
368.0	370.0	TS dacite crystal tuff					mottled ksp-silica alteration, minor diss py	
370.0	372.0	TS dacite crystal tuff					370.1m: 1cm ksp-ca-qtz; 371m: diss py; 371.6m: silicif; 372.5m; 8mm qtz-ksp-ca-py	5;50

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
372.0	374.0	TS dacite crystal tuff					373.15m: 5x ksp-qtz-ca veins to 2mm	20
374.0	376.0	TS dacite crystal tuff					small qtz-ksp ca veinlets broken core	
376.0	378.0	TS dacite crystal tuff					376.15m: 4cm ksp env on 3x 1mm qtz-py vns;377.85m: shear zone , lamin qtz-ksp	
378.0	380.0	TS dacite crystal tuff					378.4m fault zone gouge+ minor diss py	
380.0	382.0	TS dacite crystal tuff					380.25m: 1.5cm qtz-ksp-ca-py; 380.5m: qtz-ksp-py vn; 380.7m: fault + diss py	70;30; 40
382.0	384.0	TS dacite crystal tuff					381: 12silicif + idss py; 381.45m; 1cm qtz-py; 383.5m: 2x 2cm qtz-py	70;60
384.0	386.0	TS dacite crystal tuff					348.7 fault; 385.45m: 6x 1mm qtz-py + qsp env	75
386.0	388.0	TS dacite crystal tuff vein of ca-ksp-qtz					386.5m: fault; 386.7m: 1cm cal-kspqtz; 387m: anastam, qtz-ksp-ca veins	35;0
388.0	390.0	TS dacite crystal tuff vein of ca-ksp-qtz					388.15m: 2.5cm massive py; 389-390m: ca-ksp-qtz veins	70
390.0	392.0	TS dacite crystal tuff vein of ca-ksp-qtz					390.1m: py-cpy-mo vein; 390.15m: qtz-py 3cm zone; 390.6m: 5 m massive py	60
392.0	394.0	TS dacite crystal tuff vein of ca-ksp-qtz					392-394m: minor diss py, abund anastam veins	
394.0	396.0	TS dacite crystal tuff- ksp flooding					kspr veins + pervasive flooding, minor diss py	
396.0	398.0	TS dacite crystal tuff kspar-chl matrix						
398.0	400.0	TS dacite crystal tuff kspar-chl matrix					399: 1cm cal vein	
400.0	402.0	TS dacite crystal tuff kspar-chl matrix					no veins	
402.0	404.0	TS dacite crystal tuff kspar-chl matrix					no veins	
404.0	406.0	TS dacite crystal tuff					no veins minor sis py	
406.0	408.0	TS dacite crystal tuff					minor qtz-py viens	
408.0	410.0	TS dacite crystal tuff					minor qtz-py veins	
410.0	412.0	TS dacite crystal tuff					411.5m: qtz-magnetite 4mm; minor qtz-py veins	
412.0	414.0	TS dacite crystal tuff					qtz-ksp veins	
414.0	416.0	TS dacite crystal tuff kspar-chl matrix					small qtz-py veins	

Lithology/Alteration			Mineralization					
From (m)	To (m)		From (m)	To (m)	Size	Mode	Description	CA
416.0	418.0	TS dacite crystal tuff					416.5m: silicif zone + diss py;416.9m: silicif zone; 8mm py vein; 417.2m: py vein 3mm; 417.8m: ksp-py vien	
418.0	420.0	TS dacite crystal tuff					418.4m: 1.2cm qtz-py chl; 419.1m: 2x 5mm qtz-py; 419.9m: 3mm py vein	70;50
420.0	422.0	TS dacite crystal tuff					420-241m: 1m qtz-py-chl vns x4m: 421.4m: 2x 1cm cal-qtz-ksp-chl veins	75;75
422.0	424.0	TS dacite crystal tuff kspar-chl matrix					422.2m: qtz-ca-epid 1cm; 423.2m: 3mm ksp-qtz-py;	
424.0	426.0	TS dacite crystal tuff					424.65m: 4mm qtz-py + qtz epid vein; 425.7m: 1.5cm ca-ksp-epid	60;15
426.0	428.0	TS dacite crystal tuff					426.15m: 2mm qtz-ksp-py	25
428.0	430.0	TS dacite crystal tuff					428.7m: qtz-ksp-py 2mm	70
430.0	432.0	TS dacite crystal tuff broken ksp veins					430.35m: 3cm qtz-py chl in silif host; 430.7m: ksp-epid-py-chl; 432.8m: 2x 8mm py in silif host	80;75; 40
432.0	434.0	TS dacite crystal tuff					432m: silif; 432.5m: 2x 1cm qtz vein; 432.55m: faulted qtz; py vein; 433.15m: 2mm qtz-py; 433.8m: fault + ksp vein	80;80
434.0	436.0	TS dacite crystal tuff kspar-chl matrix					434m: fault gouge diss py; anhyd at 434.5m: 435.4m: 2x ca ksp-py vn	
436.0	438.0	TS dacite crystal tuff kspar-chl matrix					437.8m ksp vein zone + ca chlor matirx	
438.0	440.0	TS dacite crystal tuff broken chl					438.15m: 5mm qtz-py anhyd; 438.95m: 5mm cal	50
440.0	442.0	TS dacite crystal tuff broken chl					440.4m: 7mm qtz-py chl	
442.0	444.0	TS dacite crystal tuff					442.5m: ksp flodding 4x 1-3mm qtz-py	
444.0	446.0	TS dacite crystal tuff					444.1m: py-ep-ca; 444.3m: 3mm qtz py chl; 444.75m: 2x py anhyd qtz; 445.1m: qtz-ca-py	
446.0	448.0	TS dacite crystal tuff					446-447m: ksp env + flooding 5x 2mm qtz in qtz-py fracts	50

APPENDIX V

Drill Core Assay Sheets: Saunders Drill Holes S-07-01 to S-07-07

GOLDEN DAWN MINERALS

Diamond Drill Hole Record

Epithermal Form

Project: Saunders Exploration

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR	120	70	Brunton

PROPERTY: SWAN | LENGTH: 453.15 | HOLE NO.: SOM-07-01

CLAIM: | CORE SIZE:NT | SHEET NO.1/4

Northing (m): 6356511 | LOGGED BY: kmd

Easting(m) 616789 | STARTED: Sept 23, 2007 | SAMPLED BY:

Elevation (m) 1627 | COMPLETED: Sept 23, 2007 | PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Frt. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
0.0	2.2	OB																																
2.2	3.0	TS											w								<1		62.5	0										
3.0	4.0	TS																			<1		90	20										
4.0	6.0	TS																			1		65	24										
6.0	7.0	TS																			1		56	18										
7.0	7.5	TS	clay alt'd TS								w												90	20	83813	7.0	7.5	0.5	1	86	8	69	0.2	0.03
7.5	8.0	TS	Fresh TS																		1		98	18	83814	7.5	8.0	0.5	1	16	6	61	0.2	0.03
8.0	9.9	TS																			>1		37	31										
9.9	11.0	TS	very brooken		1						m			vn							<1		25	0	83815	9.9	11.0	1.1	<1	9	6	88	0.2	0.03
11.0	12.0	TS	Broken gr. Core		1						w			vn							2		30	0	83816	11.0	12.0	1.0	1	18	8	65	0.2	0.03
12.0	13.8	TS	Broken gr. Core																		2		20	0										
13.8	14.9	TS			2						m			vn									82	45	83817	13.8	14.9	1.1	1	10	8	65	0.2	0.03
14.9	16.0	TS			6						m			vn							3		57	12	83818	14.9	16.0	1.1	<1	9	8	62	0.2	0.03
16.0	17.0	TS	wk clay altd		4						w			vn						vn	2		75	10	83819	16.0	17.0	1.0	<1	10	12	64	0.2	0.03
17.0	18.0	TS			2									vn							3		75	45	83820	17.0	18.0	1.0	<1	32	14	85	0.2	0.03
18.0	19.0	TS			4		vn				md			vn							3		95	25	83821	18.0	19.0	1.0	<1	19	8	81	0.2	0.03
19.0	20.0	TS	int. Clay altd		1		vn				st										2	<1	35	10	83822	19.0	20.0	1.0	2	21	6	59	0.2	0.03
20.0	21.0	TS			3		vn				w										<1		85	20	83824	20.0	21.0	1.0	<1	20	8	76	0.2	0.03
21.0	22.0	TS	med. Int. Clay altd		3		vn				w			vn							<1	<1	37	10	83825	21.0	22.0	1.0	32	9	16	44	3.9	0.06
22.0	23.0	TS			2									vn							2		90	15	83826	22.0	23.0	1.0	1	26	8	72	0.4	0.03
23.0	25.0	TS	fresh		2		vn				w										2		87	37										
25.0	27.0	TS	fresh																		2		87	52										
27.0	29.0	TS	fresh		1																2	fr	60	55										
29.0	31.0	TS	fresh																		1		70	44										
31.0	33.0	TS	fresh																		<1		98	61										
33.0	34.1	TS	fresh																		2		100	76										
34.1	35.0	TS	Major Fault																		<1	<1	69	22	83827	34.1	35.0	1.0	7	10	26	73	0.8	<0.03
35.0	36.0	TS	K-sp altd		4											pe							72	40	83828	35.0	36.0	1	19	23	24	36	1.4	0.04
36.0	36.9	TS	K-sp altd		7											pe							94	94	83829	36.0	36.9	0.9	2	21	12	61	0.7	0.04
36.9	37.6	TS	K-sp altd		4											pe							100	86	83830	36.9	37.6	0.7	1	28	10	74	0.4	0.03
37.6	38.0	TS	K-sp altd		2											e					<1	<1	100	84	83831	37.6	38.0	0.4	3	10	16	86	0.4	0.03
38.0	39.0	TS	dark grn. Gy																		1	<1	100	72										

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	70	Brunton	CLAIM:	CORE SIZE NT	SHEET NO 2/4
Diamond Drill Hole Record				Northing (m):	6356511		LOGGED BY: kmd
Epithermal Form				Easting(m)	616789	STARTED: Sept 23, 2007	SAMPLED BY:
Project: Saunders Exploration				Elevation (m	1627	COMPLETED: Sept 23, 2007	PURPOSE:

INTERVAL From (m)	INTERVAL To (m)	Rock Type Code	Geological Description	Core Sketch	Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract) # Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Mineralization (%) Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Assay Data Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
39.0	39.4	TS	bio. chl. Altd		4																1		100	75	83832	39.0	39.4							
39.4	40.4	TS	K-sp altd		7											e							100	75	83833	39.4	40.4							
40.4	41.0	TS	wk-med altd		5	p										e					1		100	54	83834	40.4	41.0							
41.0	42.0	TS	weak altd		2					vn											1		80	50	83836	41.0	42.0							
42.0	44.7	TS	dk colour bio/altd		3	p															1		94	51										
44.7	46.0	TS	buff phase of TS		5			p													1		96	38										
46.0	47.0	TS	wk-med clay altd		6							p									3		91	10	83835	46.0	47.0							
47.0	48.7	TS	unaltd		3																2		97	44										
48.7	49.0	TS	bio. chl. altd		1	p															<1		100	0										
49.0	51.1	TS	unaltd		1																2		96	57										
51.1	51.9	TS	K-sp altd		3											pe					2		91	16										
51.9	55.9	TS	unaltd		8																2		78	28										
55.9	61.3	TS	ser & ksp altd zone		14			p								pe					1		96	50	83837	58.5	59.0	0.5	1	20	8	84	<0.2	<0.03
																					1				83838	59.0	59.5	0.5	6	9	12	59	0.3	<0.03
61.3	64.0	TS	v wk ser alt'd		1			wp													2		100	64	83839	59.5	60.0	0.5	2	14	10	84	<0.2	<0.03
																					2				83840	63.5	64.0	0.5	1	7	10	79	<0.2	<0.03
64.0	65.0	TS	local cer altd		4																1		100	58	83841	64.0	65	1	4	9	10	58	<0.2	<0.03
65.0	66.0	TS	ser- K-sp altd		2											pe							100	60	83842	65.0	66	1	2	15	10	52	0.4	<0.03
66.0	66.6	TS	local cer altd		3											e					2		100	71	83844	66.0	66.6	0.6	6	12	12	54	0.3	<0.03
66.6	67.7	TS	unaltd		4																2		91	45										
67.7	68.7	TS	int cer altd		4			ip													<1		80	40	83845	67.7	68.7	1.0	2	9	10	70	<0.2	<0.03
68.7	70.4	TS	unaltd		6																1		100	66										
70.4	71.0	TS	k-sp/ser altd		4			p								pe							100	80	83846	70.4	71.0	0.6	3	10	12	86	0.1	<0.03
71.0	72.0	TS	ser- K-sp altd		5			p								e					m		100	80	83847	71.0	72.0	1.0	2	6	10	78	0.1	<0.03
72.0	73.0	TS	ser k-sp clay altd		8											e					dm	<1	98	50	83848	72.0	73.0	1.0	1	10	22	13	0.3	<0.03
73.0	74.0	TS	ser altd		2																<1	tr	90	31	83849	73.0	74	1	2	7	10	57	0.3	<0.03
74.0	74.5	TS	k-sp altd		1											e					<1		100	80	83850	74.0	74.5	0.5	1	14	8	57	0.4	<0.03
74.5	76.0	TS	wk altd		7																		100	80										
76.0	77.0	TS	ser k-sp clay altd		8											e					dm		100	100	83851	76.0	77.0	1.0	3	12	10	50	0.5	<0.03
77.0	78.0	TS	ser k-sp clay altd		4											e					<1		100	75	83852	77.0	78.0	1.0	1	12	10	55	0.4	<0.03
78.0	79.0	TS	k-sp altd		6											e						tr	100	80	83854	78.0	79.0	1.0	18	44	20	35	3.5	<0.03

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	70	Brunton	CLAIM:	CORE SIZE:NT	SHEET NO.3/4
Diamond Drill Hole Record				Northing (m):	6356511		LOGGED BY: kmd
Epithermal Form				Easting(m)	616789	STARTED: Sept 23, 2007	SAMPLED BY:
Project: Saunders Exploration				Elevation (m	1627	COMPLETED: Sept 23, 2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/m
79.0	79.5	TS	k-sp altd		4											e						2	90	86	83855	79.0	79.4	0.5	14	48	22	96	1.4	<0,03
79.5	80.2	TS	k-sp altd		5											e							100	71	83856	79.5	80.2	0.7	21	63	40	88	10.5	0.2
80.2	81.0	TS	k-sp altd		4											e							100	75	83857	80.2	81.0	0.8	1	13	9	68	0.7	<0,03
81.0	81.6	TS	k-sp altd		3											e							100	83	83858	81.0	81.6	0.6	9	20	10	45	1.70	0.05
81.6	82.5	TS	wk-ser altd		3			p															100	100	83859	81.6	82.5	0.9	<1	10	8	48	0.70	<0,03
82.5	88.0	TS	minor kspar env		10											e					<1		100	67										
88.0	89.0	TS	bx zone		1			e								e					wk		100	100	83860	88.0	89.0	1.0	3	9	10	72	0.30	<0,03
89.0	89.5	TS			3																<1		100	100	83861	89.0	89.5	0.5	<1	12	10	59	0.5	<0,03
89.5	90.0	TS																			<1		96	10										
90.0	90.8	TS	k-sp env		3											e						tr	100	88	83868	90.0	90.8	0.8	3	8	12	66	0.50	<0,03
90.8	92.0	TS	wk-ser altd		5			p													<1	<1	100	43										
92.0	93.0	TS	wk-ser altd		7			pe								e						<1	100	73	83862	92.0	93.0	1.0	12	9	16	42	1.20	<0,03
93.0	94.0	TS	k-sp sil ser altd		6			pe	e							e					<1	2	100	80	83864	93.0	94.0	1.0	3	14	10	51	0.80	<0,03
94.0	95.0	TS	k-sp env		3											e					2	<1	100	70	83865	94.0	95.0	1.0	3	13	14	52	0.40	0.07
95.0	99.4	TS	wk ser altd, light grey TS		3			p													2		100	77										
99.4	102.5	TS	wk ser altd		5			p													3		92	52										
102.5	103.2	TS	ser k-sp clay altd		3			p								e					2	dv	100	17	83866	102.5	103.2	0.7	5	15	22.00	77.00	1.60	0.07
103.2	106.0	TS	unaltd		4											e					2		97	73										
106.0	107.0	TS	k-sp altd		4			wp								e					<1		100	60	83867	106	107	1.0	1	18	22.0	70.0	0.2	0.03
107.0	110.1	TS	v wk ser		4			wp													2		100	90										
110.1	114.1	TS	wk ser altd		10			wp													2		100	51										
114.1	115.1	TS	wk ser k sp altd		5			p													1		100	54										
115.1	129.5	TS	unaltd minor k-sp		16																2		98	65										
129.5	130.0	TS	ser altd bio? Altd		1			p													<1		100	24	83869	129.5	130	0.5	5	49	132	308.0	2.3	0.03
130.0	131.0	TS	ser altd bio? Altd		1			p													<1	<1	100	85	83870	130.0	131.0	1.0	15	142	380	939.0	11.8	0.07
131.0	132.0	TS	ser bio altd		4			p													1	<1	85	5	83871	131.0	132.0	1.0	8	24	112	381.00	0.80	<0,03
132.0	132.5	TS	weak ser altd		2			wp													<1		96	20	83872	132.0	132.5	0.5	5	62	90	258.00	0.30	<0,03
132.5	134.5	TS	weak ser block		2			wp													<1		90	31										
134.5	135.0	TS	int cer clay altd		2			ip			wp										<1	<1	90	24	83877	134.5	135.0	0.5	1	10	12	88.00	0.30	<0,03
135.0	136.0	TS	local int ser minor k spar		6			ip	ie												<1	<1	100	62	83878	135.0	136.0	1.0	4	15	12	71.00	2.10	<0,03
136.0	137.0	TS	sil sar k-sp altd		3			ip	ie													<1	100	70	83879	136.0	137.0	1.0	4	9	12	61.00	0.50	<0,03
137.0	138.0	TS	local int sil ser		3			ip	ie													<1	100	80	83880	137.0	138.0	1.0	12	12	26	82.00	1.30	<0,03

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	70	Brunton	CLAIM:	CORE SIZE:NT	SHEET NO.4/4
Diamond Drill Hole Record				Northing (m):	6356511		LOGGED BY: kmd
Epithermal Form				Easting(m)	616789	STARTED: Sept 23, 2007	SAMPLED BY:
Project: Saunders Exploration				Elevation (m	1627	COMPLETED: Sept 23, 2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
138.0	139.0	TS	local int sil ser		2			ip	ip												<1	<1	90	30	83881	138.0	139.0	1.0	5	14	34	101.00	0.50	<0,03
139.0	140.0	TS	int ser		4			ip	e													<1	100	57	83882	139.0	140.0	1.0	4	18	24	34.00	1.80	<0,03
140.0	141.0	TS	int ser		3			ip	e													2	100	80	83884	140.0	141.0	1.0	2	17	20	85.00	1.30	<0,03
141.0	142.0	TS	int ser		6			ip														4	100	100	83874	141.0	142.0	1.0	13	28	22	55.00	2.80	0.05
142.0	143.0	TS	int ser		4			ip														2	100	100	83875	142.0	143.0	1.0	10	21	8	26.0	1.80	0.1
143.0	143.5	TS	med int ser		3			p	e													<1	100	60	83876	143.0	143.5	0.5	9	47	12	63.0	0.5	0.08
143.5	150.0	TS	wk ser altd		6			wp													1		96	82										
EOH																																		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 150m	HOLE NO.: S-07-02
	COLLAR	250	-65	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO.1/3
Diamond Drill Hole Record				Northing (m):	6356285		LOGGED BY: Ed Kimura
Epithermal Form				Easting(m):	615667	STARTED: Aug 20, 2007	SAMPLED BY: Matt and Justin
Project: Saunders Exploration				Elevation (m):	1837	COMPLETED: Aug 23, 2007	PURPOSE: explore saunders A zone

INTERVAL					Alteration (p-perv, w-wk, s-st, i-int, e-env)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
0.0	3.0	OB																																
2.0	3.0	TS	wk ser altd					w													1		52	0										
3.0	7.2	TS	unaltd part oxid																		2		75	40										
7.2	9.0	ox.TS	weak ser					wk													<1		86	19										
9.0	14.2	TS	mixed unaltd oxid		2			wk													2		78	25										
14.2	16.1	TS	unaltd part oxid		4																2		92	39										
16.1	18.7	TS	mixed unaltd ser altd		2			m													2		94	58										
18.7	20.1	TS	ser. Wk oxid. Orangy					m													<1		100	66	83896	18.7	19.5	0.8	<1	13	10		0.3	0.03
		TS																							83897	19.5	20.2	0.7	2	29	12		0.4	
20.1	24.7	TS	fresh short ser altd zone		5			m													1		100	54										
24.7	33.5	TS	uniform unaltd		4			w													<1		100	49	83898	25.0	26.0	1.0	<1	18.0	18		<0.2	0.03
		TS																							83899	26.0	26.7	0.7	3	6	14		<0.2	0.03
33.5	34.0	TS	int.sil. Ser. Py		1			m	s													2	100	100	83900	33.5	34.0	0.5	1	10	16		0.6	0.03
34.0	35.0	TS	int.ser.sil.local bx		1			m	s													1	60	31	83885	34.0	35.0	1.0	<1	5	16		0.5	0.03
35.0	36.0	TS	mod.int. Ser altd		5			m	s		m											2	100	10	83886	35.0	36.0	1.0	2	28	44		0.6	0.03
36.0	37.0	TS	int. Ser, sil. Local bx		4			s	s														100	38	83887	36.0	37.0	1.0	46	13	28		2.6	0.03
37.0	38.0	TS	intense ser clay		3			m	m		m					ev							100	60	83888	37.0	38.0	1.0	3	10	24		0.8	0.03
38.0	38.5	TS	intense ser clay		1			s			s											<1	94	58	83889	38.0	38.5	0.5	<1	13	20		1.1	0.03
38.5	39.5	TS	int clay bx		1						s											2	72	52	83890	38.5	29.5	1.0	36	9	42		4.4	0.03
39.5	40.3	TS	bx q.v.		1						s											5	100	100	83891	39.5	40.3	0.8	98	21	60		12.5	0.03
40.3	41.0	TS	int clay bx q.v.		2						s											2	100	88	83892	40.3	41.0	0.7	63	22	50		7.3	0.04
41.0	42.4	TS	md ser wk clay		6			m			w					ev						1	100	58	83894	41.0	42.4	1.4	10	19	26		2.2	0.03
42.4	43.5	TS	md ser wk clay		6			m			w										<1	1	84	62	83895	42.4	43.5	1.1	85	12	82		7.8	0.03
43.5	50.0	TS	unaltd		6																2		95	43										
50.0	60.0	TS	uniform unaltd		3																2		95	48										
60.0	62.8	TS	local k sp ser altd		5			w								bd					2		100	55										
62.8	67.7	TS	uniform unaltd		4																5		96	47										
67.7	68.5	TS	ser k-sp altd		8			m								md					<1		100	25	83901	67.7	68.5	0.8	2	10	6	52	0.2	0.03
68.5	69.4	TS	unaltd		3																2		100	67	83903	68.5	69.4	0.9	2	13	6	51	0.2	0.03
69.4	70.0	TS	local k sp ser altd		3			m													3	<1	95	65	83904	69.4	70.0	0.6	2	8	8	62		
70.0	73.0	TS	local ser k sp altd		4			w								en					3		100	65										
73.0	74.0	TS	wk ser med ksp		2			w								md					5		90	67	83905	73.0	74.0	1.0	3	10	8	63		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 150m	HOLE NO.: S-07-02
	COLLAR	250	-65	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO.2/3
Diamond Drill Hole Record				Northing (m):	6356285		LOGGED BY: kmd
Epithermal Form				Easting(m):	615667	STARTED: Aug 20, 2007	SAMPLED BY: Matt and Justin
Project: Saunders Exploration				Elevation (m):	1837	COMPLETED: Aug 23, 2007	PURPOSE: explore saunders A Zone

INTERVAL					Alteration (p-perv, w-wk, s-st, i-int, e-env)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
74.0	75.00	TS	bio/chl altd		4	m		w								m					5	2	95	0	83906	74	75	1	1	9	8	74.0		
75.0	76.00	TS	weak ser altd		2			w								e					5		100	10										
76.0	78.00	TS	very weak ser		2			w													3		100	45										
78.0	78.80	TS	k-ser altd		1			w								s					<1	1	86	45	83907	78.0	78.7	0.7	4	5	12	54.0		
78.7	85.30	TS	unaltd		6																2		100	50										
85.3	86.00	TS	mod int ser k sp		2			s								m					2		91	54	83908	85.3	86.0	0.7	1	12	26	47.0	0.3	<0,03
86.0	86.60	TS	mod int ser k sp		1			s								m					1		93	0	83909	86.0	86.6	0.6	2	11	22	49.0	0.3	0.09
86.6	87.20	TS	unaltd		1																1		100	0	83920	86.6	87.2	0.6	3	10	12	59.0	<0,2	<0,03
87.2	88.00	TS	mod k.sp chl altd		2			pe								m					3		100	100	83921	87.2	88.0	0.8	6	11	22	74.0	0.4	<0,03
88.0	88.90	TS	mod ser k sp altd		1			m								m					<1		100	66	83922	88.0	88.9	0.9	3	15	16	79.0	0.4	<0,03
88.9	89.80	TS	mod ser k sp altd		1			m								m					1		100	42	83924	88.9	89.9	1.0	3	11	12	70.0	0.2	<0,03
89.8	91.00	TS	wk- mod ser k. Sp		2			m								m					1		90	29	83910	89.8	91.0	1.2	2	8	10	67.0	<0,2	<0,03
91.0	92.00	TS	mod ser k sp altd		2			m								m							100	58	83911	91.0	92.0	1.0	2	14	12	74.0	<0,2	<0,03
92.0	93.00	TS	v int ser chl clay		3	m		s			m					s						<1	100	40	83912	92.0	93.0	1.0	1	8	10	90.0	1.5	<0,03
93.0	94.00	TS	med ser k sp		4	s		s			m					m						5	100	10	83914	93.0	94.0	1.0	6	7	12	73.0	1.1	<0,03
94.0	95.00	TS	int. Ser chl clay		3	m		s			m											<1	100	49	83915	94.0	95.0	1.0	<1	8	8	63.0	<0,2	<0,03
95.0	96.00	TS	int ser chl clay		4	m		m								w						<1	100	41	83916	95	96.0	1	2.00	11	12	89.0	<0,2	<0,03
96.0	97.50	TS	mod ser k sp altd		3			m								m						1	73	26	83917	96	97.5	1.5	1.00	8	20	119.0	0.3	<0,03
97.5	98.20	TS	mod int ser k sp		2			m								m					<1	5	100	100	83918	97.5	98.2	0.7	5.00	20	14	64.0	0.6	<0,03
98.2	99.20	TS	mod int ser k sp		6			m								m					<1	2	100	100	83919	98.2	99.2	1	2.00	10	8	71.0	0.4	<0,03
99.2	105.20	TS	unaltd		7																3		99	53										
105.2	106.00	TS	int ser k sp zone		3			s								s					<1	<1	100	44	83925	105.2	106	0.8	<1	10	10	49.0	0.3	<0,03
106.0	110.80	TS	unaltd		2											oe					<1		95	55										
110.8	124.50	TS	ase clastic phase unaltd		7																2		100	50										
124.5	130.50	TS	med int ser altd		8			s													5													
130.5	131.00	TS	mod int ser altd		2			s													w				83926	130.5	131	0.5	4	18	14		1.1	<0,03
131.0	132.00	TS	int. K sp		4			s								m						<1			83927	131.0	132.0	1.0	3	22	16		1.3	<0,03
132.0	132.10	TS	int ser k sp zone		4			s													2	<1			83928	132.0	132.7	0.7	2	13	120		<0,2	<0,03
132.7	134.00	TS	weak ser altd		2			w								s					2				83929	132.7	134.0	1.3	<1	9	14		0.2	<0,03
134.0	135.00	TS	local mod ser		5			s								s					1				83930	134.0	135.0	1.0	4	20	26		15.7	<0,03
135.0	139.00	TS	fresh very weak ser		6			s													2													

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: Saunders	LENGTH: 150m	HOLE NO.: S-07-02
	COLLAR			Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 3/3
Diamond Drill Hole Record				Northing (m):	6356285		LOGGED BY: Ed Kimura
Epithermal Form				Easting(m)	615667	STARTED: Aug 20, 2007	SAMPLED BY: Matt and Justin
Project: Saunders Exploration				Elevation (m):	1837	COMPLETED: Aug 23, 2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk, s-st, i-int, e-env)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
139.00	140.00	TS	mod-in ser k-sp		3																w				83934	139.0	140.0	1.0	4	8	18		0.6	<0,03
140.00	141.00	TS	mod-in ser k-sp		2											m					w				83935	140.0	141.0	1.0	3	10	12		0.2	<0,03
141.00	143.50	TS	mod-in ser k-sp		5																2													
143.50	144.00	TS	mod-in ser k-sp		2																w				83931	143.5	144.0	0.5	<1	7	14		0.70	0.14
144.00	145.00	TS	intense ser sil		2			m	s												w				83932	144.0	145.0	1.0	2	7	14		<0,2	<0,03
145.00	150.00	TS	unaltd to v. Weak		10			w													<1													
EOH																																		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 173m	HOLE NO.: S-07-03
	COLLAR	90	-45	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO.1/3
Diamond Drill Hole Record				Northing (m):	6356596		LOGGED BY: KMD
Epithermal Form				Easting(m):	615670	STARTED: Aug 23/07	SAMPLED BY: Matt and Barry
Project: Saunders Exploration				Elevation (m):	1740m	COMPLETED: Aug 24/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
0.0	3.0	OB																				2												
3.0	8.0	TS			2			w			w			w									30	7										
8.0	10.0	TS			2																		23.5	17	83936	8.0	9.0	1.0	<1	108.00	40.0		0.5	0.03
10.0	11.0	TS			4	h	w	w								wq						2	68	52	83937	10.0	11.0	1.0	5.00	69.00	22.0		<0.2	0.03
11.0	12.0	TS			13	h	w									wq						3	68	53	83938	11.0	12.0	1.0	<1	63.00	24.0		<0.2	0.04
12.0	13.0	TS			7	h	w	w						w		wq							65	45	83939	12.0	13.0	1.0	4	50	24		0.2	0.03
13.0	16.0	TS			4	h	w	w	w													d	21	14										
16.0	17.0	TS			4				w													1	60	14	83940	16.0	17.0	1.0	<1	11	26		<0.2	0.11
17.0	20.0	TS			13			w	w		w											d	80	61	83941	19.0	19.5	0.5	5	32	26		0.4	0.03
20.0	22.0	TS			9		s	w	w							wq							79	44	83942	20.0	20.5	0.5	<1	14	18		0.2	0.03
20.0	22.0	TS																							83943	20.0	20.5	0.5	5	14	12		<0.2	0.03
																									83944	21.5	22.0	0.5	5	39	16		<0.2	0.03
22.0	27.0	TS			11				w		w					wq						d	68	17										
27.0	32.0	TS			12				w							wq						d	76	36										
32.0	34.0	TS			8																		84	24	83945	33.5	34.0	0.5	2	40	44		0.3	0.03
34.0	37.0	TS			6				m													q	66	27										
37.0	42.0	TS			15			m								wq						v	52	31	83946	41.0	42.0	1.0	5	23	14		0.30	0.03
42.0	45.0	TS			4				w													fr	73	32	83948	43.0	43.5	0.5	3	6	12		<0.2	0.03
45.0	48.0	TS			11	w			w	w						vq						ve	93	56	83947	45.3	45.8	0.5	<1	4	14		<0.2	0.03
48.0	50.0	TS			17				w														97.5	49	83949	49.0	50.0	1.0	<1	71	20		<0.2	0.03
50.0	53.0	TS			27	w			w	w						wq						vd	89.6	38	83950	50.3	51.3	1.0	6	634	94		2.50	0.03
53.0	56.0	TS			14	w			w							wq						qv	99	87	83951	55.0	56.0	1.0	2	43	18		<0.2	0.03
56.0	59.0	TS			12			w								wq						q	96	88										
59.0	61.0	TS			19			w								wq						q	85.5	68	83952	60.0	61.0	1.0	5	35	12		<0.2	0.03
61.0	63.0	TS			9			w								wq							78.5	52	83954	62.0	63.0	1.0	1	24	14		<0.2	0.03
63.0	70.0	TS			0											w						d	15	7										
blank																									83953				<1	<1	10		<0.2	<0.03
70.0	75.0	TS			12	w																f	57	74										
75.0	81.0	TS			23	w	w															p	83	56	83955	78.7	80.1	1.4	4	244	350		0.3	0.03
81.0	84.0	TS			21		tr	w														p	98	95	83956	82.0	82.3	0.3	3	19	16		<0.2	0.03
84.0	87.0	TS			10																	p	88	59	83957	85.3	85.6	0.3	2	10	16		<0.2	0.03
87.0	90.0	TS			15	w		q															98	84	83958	89.6	90.0	0.4	3	39	16		<0.2	0.03

GOLDEN DAWN MINERALS

Diamond Drill Hole Record

Epithermal Form

Project: Saunders Exploration

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR			Brunton

Northing (m): 6356596

Easting(m): 615670

Elevation (m): 1740m

PROPERTY: SWAN

CLAIM:

LENGTH: 173m

CORE SIZE:NT

STARTED: Aug 23/07

COMPLETED: Aug 24/07

HOLE NO. S-07-03

SHEET NO.2/3

LOGGED BY: KMD

SAMPLED BY: Matt and Barry

PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
90.00	93.00	TS			17		qv																98	93										
93.00	96.00	TS			23	w	v			v												tr	97	70	83959	94.9	95.2	0.8	2.00	40.00	18.0		<0,2	<0,03
96.00	99.00	TS			14	w		qe		w												tr	99	74	83960	96.0	96.4	0.4	1	73.00	32.0		<0,2	<0,03
																						tr			83961	97.9	98.2	0.3	4.00	269	1630.0		0.8	<0,03
99.00	102.00	TS			24	w	q	p														tr	98	82	83962	100.8	101.2	0.4	<1	34.00	38.0		<0,2	<0,03
102.00	105.00	TS			12	w	tr			w													98	79	83964	102.4	102.6	0.2	2.00	21.00	38.0		<0,2	<0,03
105.00	108.00	TS			16	w	tr	e		w													99	99	83965	106.2	106.6	0.4	2	26.00	24.0		<0,2	<0,03
108.00	111.00	TS			21																		88	65	83966	108.4	108.8	0.4	4	47	20.0		<0,2	<0,03
111.00	114.00	TS			26	w	v																97	91	83967	112.0	113.0	1.0	1	48	26.0		<0,2	<0,03
114.00	117.00	TS			8	w				w						v							96	75	83968	116.0	117.0	1.0	19	103	194.0		1.3	<0,03
117.00	120.00	TS			46	w	v									v							98	91	83969	117.0	118.0	1.0	7	56	122.0		0.4	<0,03
																									83970	118.0	119.0	1.0	3	31	26.0		0.3	<0,03
120.00	123.00	TS			70	m	q			w						v							95	80	83971	119.5	120.5	1.0	6	61	26.0		0.4	<0,03
																									83972	120.5	121.5	1.0	2	23	70.0		<0,2	<0,03
																									83973	blank								<0,03
																									83974	121.5	122.5	1.0	2.00	144	278.0		0.7	<0,03
123.00	**126.00**	**TS**			34	w	w			w													92	67	83975	122.5	123.5	1.0	3.00	20.00	70.0		<0,2	<0,03
126.00	129.00				9	m	w			w						q							92	67	83976	128	128.4	0.4	5.00	42.00	372.0		1.1	<0,03
129.00	132.00	TS			2	m	w			w						q							77	39	83977	131.0	132.0	1.0	7.00	102.00	160.0		0.7	<0,03
132.00	135.00	TS			15	w	v									q							76	25										
135.00	**138.00**	**TS/RD**			11	w	v									m							63	43										
138.00	141.00	RD/TS			17	w	v									v							78	49										
141.00	144.00	TS			21	m	tr			w												fr			83978	145.5	146.5	1	2.00	102.00	300.0		0.9	<0,03
144.00	147.00	TS			22	m	s															vn												
147.00	150.00	TS			16	m	w	qe		w												vn												
150.00	153.00	TS			7																	fr												
153.00	156.00				10																	fr												
156.00	159.00	TS			8																													
159.00	162.00	TS			7																	qsp			83979	158.6	159.4	0.8	6	17	10.0		<0,2	<0,03
162.00	165.00	TS			5			qsp														mn												
165.00	168.00	TS			2	wk		qsp														mn												

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 173m	HOLE NO.: S-07-03
	COLLAR			Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 3/3
Diamond Drill Hole Record				Northing (m):	6356596		LOGGED BY: KMD
Epithermal Form				Easting(m):	615670	STARTED: Aug 23/07	SAMPLED BY: Matt and Barry
Project: Saunders Exploration				Elevation (m):	1740m	COMPLETED: Aug 24/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb	Ser.	Sil.	Epidote	Arg.	Adv-Arg	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
168.00	172.00	TS			2																													
EOH																																		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 133m	HOLE NO.: S-07-04
	COLLAR	90	-60	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 1/2
Diamond Drill Hole Record				Northing (m):	6356596		LOGGED BY: KMD
Epithermal Form				Easting(m)	615670	STARTED: Aug 24/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1740	COMPLETED: Aug 26/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
0.0	7	OB																																
7.0	9	TS			6				q													bx	58	27	83980	7.5	8.5	1.0	2.00	54.00	30.0		0.3	<0,03
9.0	12	TS			20	m				m												bx	88	41	83981	9.0	10.0	1.0	1.00	60.00	276.0		0.7	<0,03
																									83982	10.0	10.5	0.5	3.00	68.00	56.0		0.3	<0,03
																							77	27	83983	dub			1.00	69.00	52.0		0.3	0.03
12.0	15	TS			12		v	w			w											tr	80	26	83984	12.5	13.0	0.5	3	50	28		0.3	<0,03
15.0	18	TS			11		v	w			w			v									78	32	83985	15.0	16.0	1.0	4	59	24		0.2	<0,03
18.0	21	TS			9																	tr	77	23										
21.0	24	TS			10						m											m	80	30	83986	21.0	21.7	0.7	16	14	142		2.9	<0,03
24.0	27	TS			22		v															f	92	65										
27.0	30	TS			11		v			w												qsp	85	45										
30.0	33	TS			8																		80	35	83987	32.0	33.0	1.0	4	7	14		0.2	0.04
33.0	36	TS			7	w	v				m												65	28										
36.0	39	TS			10	w				w													83	32	83988	38.3	38.7	0.4	4	14	28	48	0.3	<0,03
39.0	42	TS			15	w	v															d	79	36	83989	40.6	41.2	0.6	4	76	36	49	0.2	<0,03
42.0	45	TS			10			s			m											v	81	49	83990	42.5	43.5	1.0	4	27	34	47	<0,2	<0,03
									s													v			83991	43.5	44.4	1.0	5	14	30	39	<0,2	<0,03
45.0	48	TS			12		tr		s													v	92	31	83992	44.5	45.5	1.0	18	32	44	59	<0,2	<0,03
																									83993	blank								
																									83994	46.7	47.1	0.4	8	37	42	61	<0,2	<0,03
48.0	51	TS			10					tr												v	78	29	83995	50.0	50.3	0.3	5	6	46	46	<0,2	<0,03
51.0	54	TS			5	w		m		w												v	95	42										
54.0	57	TS			3	w																m	93	53	83996	55.2	55.5	0.3	4	13	44	79	<0,2	<0,03
57.0	60	TS			2	w		q														v	91	62										
60.0	63	TS			6	w				w													96	77										
63.0	66	TS			27																	tr	98	77	83997	64.6	65.6	1.0	18	641	158	254	2.0	<0,03
66.0	69	TS			13	w	tr															tr	86	61	83998	68.0	69.0	1.0	7	14	46	40	0.2	<0,03
69.0	72.0	TS			8				q														95	76	83999	69.0	70.0	1.0	8	15	68	45	0.2	<0,03
																							79	50	84000	70.0	70.5	0.5	12	15	88	175	0.4	<0,03
72.0	75.0	TS			6													w				tr	80	51	84001	73.5	74.0	0.5	5	166	74	228	0.9	0.06
75.0	78.0	TS			11																		86	67	84002	76.5	77.5	1.0	5	12	42	124	<0,2	0.03
																									84003	dup								

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 133m	HOLE NO.: S-07-04
	COLLAR	90	-60	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 2/2
Diamond Drill Hole Record				Northing (m):	6356596		LOGGED BY: KMD
Epithermal Form				Easting(m):	615670	STARTED: Aug 24/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1740	COMPLETED: Aug 26/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
78.00	81.00	TS			15	w				w												v	88	53	84004	79.3	79.9	0.6	4.00	19.00	56.0	176.0	0.3	0.03
81.00	84.00	TS			6																	d	98	65										
84.00	87.00	TS			25	m																v	99	76	84005	84.5	85.5	1.0	19	34	72.0	104.0	1.6	0.05
87.00	90.00	TS			22	m	qv			w												v	94	75										
90.00	93.00	TS/QP			24	m	qv	qv									tr					tr	89	58	84006	90.7	91.4	0.7	6.00	194.00	198.0	221.0	0.6	0.06
93.00	96.00	TS/QP			7	m	qv															tr	89	55										
96.00	99.00	TS			18		qv															m	95	89										
99.00	102.00	TS			16																	m	97	75	84007	98.8	99.3	0.5	6	29	42.0	51.0	<0,2	0.03
102.00	105.00	TS			18			qv															99	87										
105.00	108.00	TS			7			qsp														m	95	51										
108.00	111.00	TS			8																		99	81										
111.00	114.00	TS/MZ			5																	tr	97	43										
114.00	117.00	MZ/QP			14			qsp														s	96	91	84008	114.8	115.2	0.4	6	23	48.0	34.0	<0,2	0.03
117.00	120.00	MZ			21																	tr	98	81	84009	117.9	118.5	0.6	8	12	48.0	29.0	<0,2	<0,03
120.00	123.00	TS			21																	tr	93	67	84010	121.5	122.5	1.0	10	99	60.0	64.0	0.2	0.09
123.00	126.00	TS			16																	d	95	35	84011	125.5	126.0	0.5	2.00	56.00	64.0	87.0	<0,2	<0,03
126.00	129.00	TS/MZ			10																		89	40										
129.00	132.00	TS			16	w																	87	35	84012	129.5	130.5	1	21.00	278.00	2406.0	2831.0	1.4	<0,03
																									84013	blank								
																									84014	130.5	131.5	1	16.00	137.00	742.0	957.0	0.7	<0,03
132.00	**133.00**	**TS**			12	w																												
EOH																																		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 102	HOLE NO.: S-07-05
	COLLAR	270	-50	Brunton	CLAIM	CORE SIZE: NT	SHEET NO. 1/2
Diamond Drill Hole Record				Northing (m):	6356287		LOGGED BY: KMD
Epithermal Form				Easting(m)	615875	STARTED: Aug 27/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1622	COMPLETED: Aug 27/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
0.0	3.0	casing																																
3.0	6.0				0	m				s				f									77	49										
6.0	9.0	TS			1	m				s			w	lim									64	27										
9.0	12.0	TS			5	m				s			w	lim									98	76										
12.0	15.0	TS			10	w				m			w	lim									92	74										
15.0	18.0	TS			14	m				m			w	lim									92	50	84015	14.5	15.5	1.0	6	13	44	70	1.4	0.04
18.0	21.0	TS			12	w				m			w	lim									93	49										
21.0	24.0	TS			13	w				m				lim								qe	99	75	84016	20.8	21.4	0.6	12	100	94	377	0.7	0.04
24.0	27.0	TS			22	w				w												qe	74	46										
27.0	30.0	TS			22	w				w													87	65	84017	29.0	29.4	0.4	5	9	34	42	0.4	<0.03
30.0	33.0	TS			28	w				w				lim									81	28										
33.0	36.0	TS			17	w				w													93	47	84018	32.5	33.2	0.7	5	24	46	56	0.2	<0.03
36.0	39.0	TS			24					w													91	67										
39.0	42.0	TS			20																		99	47	84019	39.1	39.6	0.5	3	8	38	52	0.2	<0.03
																									84020	40.6	41.5	0.9	8	19	38	31	0.3	<0.03
42.0	45.0	TS			22	w	q			w													93	43										
45.0	48.0	TS			13	w				w													93	76										
48.0	51.0	TS			20	w				w													98	76										
51.0	54.0	TS			13	w	kv			w												tr	97	55										
54.0	57.0	TS			16	w	kv			w												tr	96	36	84021	56.0	57.0	1.0	6	8	46	54	0.90	<0.03
57.0	60.0	TS			10	w	kv			w												tr	95	40										
60.0	63.0	TS			16	w				m													96	43										
63.0	66.0				16	w				m													97	86	84022	63.2	63.5	0.3	9	13	40	59	0.80	<0.03
																									84023	dup			7	11	40	45	0.70	<0.03
66.0	69.0	TS			10	w																	93	83										
69.0	72.0	TS			9	st																	95	86										
72.0	75.0	TS			11	w																tr	93	75										
75.0	78.0	TS			15	w				m												tr	99	92										
78.0	81.0	TS			9	w				m												tr	92	62										
81.0	84.0	TS			21	m	ke			m												tr	99	81	84024	81.9	82.5	0.6	4	9	42	31	0.4	<0.04
84.0	87.0	TS			4	w				w													97	73										
87.0	90.0	TS				w				m													95	60										

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 102	HOLE NO.: S-07-05
	COLLAR	270	-50	Brunton	CLAIM: Saunders	CORE SIZE: NT	SHEET NO. 2/2
Diamond Drill Hole Record				Northing (m):	6356287		LOGGED BY: KMD
Epithermal Form				Easting(m)	615875	STARTED: Aug 27/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1822	COMPLETED: Aug 29/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
90.00	93.00	TS								m													96	81										
93.00	96.00	TS			10		qv			m													93	74										
96.00	99.00	TS			1	w				m													98	93										
99.00	**102.00**	TS			2	w	qv			m																								
EOH																																		

GOLDEN DAWN MINERALS

DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 66	HOLE NO.: SOM-07-06
COLLAR	270	-65	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 1/1

Diamond Drill Hole Record — Northing (m): 6356511 — LOGGED BY: Km

Epithermal Form — Easting(m) 616789 — STARTED: Aug 29, 2007 — SAMPLED BY: Barry

Project: Saunders Exploration — Elevation (m) 1627 — COMPLETED: Aug 30, 2007 — PURPOSE:

INTERVAL					Alteration (p-perv, w-w,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb	Ser.	Sil.	Epidote	Arg	Adv-Arg	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
0.0	3.0	Cas																																
3.0	6.0	TS				m				st			lim										55	29										
6.0	9.0	TS				m				st			m	lim									93	67										
9.0	12.0	TS			1	m				st				lim									89	60										
12.0	15.0	TS			2	m				m				lim								tr	98	61										
15.0	18.0	TS				m				m			m	lim									95	64										
18.0	21.0	TS				w				st			m	lim									93	57										
21.0	24.0	TS				w				m			m	lim									90	24										
24.0	27.0	TS			7	w				m				lim								tr	90	47										
27.0	30.0	TS			8	w	ks			m													89	26	84025	27.3	27.8	0.5	4	13	42	82	0.4	<0.03
30.0	33.0	TS			12	w				m				lim									78	25	84026	31.1	31.6	0.5	6	5	52	90	0.3	<0.03
33.0	36.0	TS			6	m				m				lim									79	62										
36.0	39.0	TS			7	w				w													87	58										
39.0	42.0	TS			15		qk			w													90	45										
42.0	45.0	TS			18					w													98	66										
45.0	48.0	TS			11	w				w													93	77										
48.0	51.0	TS			18	w				w													87	64										
51.0	54.0	TS			8	w				w													97	96										
54.0	56.0	TS			14	w				w													84	51										
56.0	59.0	TS			7	w				w													78	57										
59.0	63.0	TS			8	w				w												tr	91	60	84027	59.2	59.5	0.3	3	10	38	58	0.30	<0.03
63	66.0				13	w				w													91	75										
EOH																																		

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 140m	HOLE NO.: S-07-07
	COLLAR	245	-50	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 1/2
Diamond Drill Hole Record				Northing (m):	6354361		LOGGED BY: Km
Epithermal Form				Easting(m):	615649	STARTED: Aug 30/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1810m	COMPLETED: Sept 1/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-w,s-strong, e-envelope, v-vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
0.0	6	TS																																
6.0	9	TS			3	w				s													62	63										
9.0	12	TS			8	w				s													71	45										
12.0	15	TS			17	w				m													95	66										
15.0	18	TS			9	w	vn			m													80	70										
18.0	21	TS			9	w	vn			m												tr	82	3										
21.0	24	TS			9	w	vn			m												tr	90	63										
24.0	27	TS			7	m				m												md	90	27	84028	26.4	27.0	0.6						
27.0	30	TS			10	m				m												md	52	16	84029	28.8	29.8	1.0						
30.0	33	TS			21	m	qv		m	m												v	93	37	84030	29.8	31.0	1.2						
																									84031	31.0	32.0	1.0						
																									84032	32.0	33.0	1.0						
																									84033	blank								
33.0	36	TS			9	m													34						84034	33.0	34.0	1.0						
																							83	35	84035	34.0	35.0	1.0						
36.0	39	QP			12	m	nq			w													94	65	84036	37.4	37.6	0.2						
																									84037	38.2	39.0	0.8						
39.0	42	TS			10	m	qv			m													87	38	84038	38.0	39.4	0.4						
42.0	45	TS			6	m				m													87	31										
45.0	48	TS			9	m	vn			m										?		md	89	47	84039	47.0	47.8	0.8						
48.0	51	TS			5	m				m													88	37										
51.0	54	TS			12	w	vn			m													53	19										
54.0	57	TS			12	w				m													90	23										
57.0	60	TS			28	w	vn			w													95	35	84040	58.8	59.8	1.0					8.3	0.32
60.0	63	TS			12	w	vn			w													88	42										
63.0	66	TS			8	w	vn			w													83	48	84041	64.4	64.7	0.3					1020	19.1
66.0	69	TS			12	w	vn			w													95	52	84042	67.4	67.8	0.4						
69.0	72.0	TS			17	w				w													92	48	84044	68.1	69.1	1.0						
72.0	75.0	TS			13	w	vn			w													96	55										
75.0	78.0	TS			17	w	vn			w													93	64										
78.0	81.0	TS			11	w	vn			w													96	70										
81.0	84.0	TS			19					m													99	76										

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: Saunders	LENGTH: 140m	HOLE NO.: S-07-07
	COLLAR	245	-50	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 2/2
Diamond Drill Hole Record				Northing (m):	6354361		LOGGED BY: Km
Epithermal Form				Easting(m):	615649	STARTED: Aug 30/07	SAMPLED BY: Barry
Project: Saunders Exploration				Elevation (m):	1810m	COMPLETED: sept 1/07	PURPOSE:

INTERVAL					Alteration (p-perv, w-w,s-strong, e-envelope, v-vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data										
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
84.00	87.00	TS			20					w												dm	97	73										
87.00	90.00	TS			11					w													97	85										
90.00	93.00	TS			2					w													95	58										
93.00	96.00	TS			1					w													98	77										
96.00	99.00	TS			7					w												fa	93	57										
99.00	102.00	TS			15		vn			w													97	85										
102.00	105.00	TS			15																	fa	97	91										
105.00	108.00	TS			17		vn																98	67	84045	104.8	105.8	1.0					255.0	
																									84046	106.3	106.8	0.5						
108.00	111.00	TS			19														tr			tr	98	81	84047	108.8	109.4	0.6						
111.00	114.00	TS																					97	80	84048	110.5	111.7	1.2						
																									84049	111.6	112.7	1.0						
114.00	117.00	TS				m																	97	80										
117.00	120.00	TS				st																	98	85	84050	116.5	117.5	1.0						
120.00	123.00	TS			3	st				m													99	87	84051	120.4	120.6	0.3						
123.00	126.00	TS			5	st				m													98	87										
126.00	129.00	TS			3	m				m												tr	97	86										
129.00	132.00	TS			6	int				s													99	84										
132.00	135.00	TS			1	m				s													98	81										
135.00	138.00	TS			4	m				s													92	77										
138.00	140.00	TS			8																		99	85										
EOH																																		

APPENDIX VI

Drill Core Assay Sheet: Som Drill Holes Som-07-01 and Som-07-02

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN
	COLLAR	120	-70	Brunton	CLAIM:

LENGTH: 453.15 | HOLE NO.: SOM-07-01

CORE SIZE: NT | SHEET NO. 2/10

Diamond Drill Hole Record — Northing (m) 6356511 | LOGGED BY: KMD

Epithermal Form — Easting(m) 616789 | STARTED: sept 13/2007 | SAMPLED BY: Barry

Project: SOM Exploration — Elevation (m) 1627m | COMPLETED: Sept 23/2007 | PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data										
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb	Ser.	Sil.	Epidote	Arg	Adv-Arg	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
52	54	TS	fresh		18			qsp					py			vn						fr	98	32.5	84082	53	54	1	5.00	25.00	74.0	84.0	0.6	<0.03
54	56	TS	fresh		8			qsp								vn							85.5	36.5	84083									
56	58	TS			13								py										89	26.5										
58	**60**	**TS**			20		vn	qsp															99	89	84084	58.0	59.0	1.0	3.00	4.00	18.0	19.0	<0.2	<0.03
																									84085	59.0	60.0	1.0	7.00	7.00	12.0	21.0	0.5	<0.03
60	62	TS			9		vn																98	6										
62	64	TS			21		vn	qsp															98	32.5	84086	62.0	63.0	1.0	2	5	22.0	43.0	<0.2	<0.03
																									84087	63	64	1	3	4	18.0	48.0	<0.2	<0.03
64	66	TS			21		vn	qsp															80.5	36	84088	64.0	65.0	1.0	3	8	20.0	43.0	<0.2	<0.03
																									84089	65.0	66.0	1	3	10	20.0	31.0	<0.2	<0.03
66	68	TS			28		vn	qsp											66			fr	95	35	84090	66.0	67.0	1.0	5	8	24.0	220.0	<0.2	<0.03
										en															84091	67.0	68.0	1	2	18	16.0	24.0	<0.2	<0.03
68	70	TS			20			qsp								vn							98	33	84092	68.0	69.0	1.0	3	6	24.0	22.0	<0.2	
																									84093				<1	<1	6.0	<1	<0.2	
																									84094	69.0	70.0	1.0	3	6	24.0	23.0	<0.2	
70	72	TS			22		vn	qsp															95	42	84095	71.0	72.0	1	3.00	7.00	22.0	34.0	<0.2	
72	**74**	**TS**			24		vn	qsp															99	80	84096	72	73	1.0	7.00	29.00	72.0	136.0	0.3	
74	76	TS			18		vn	qsp								vn							93.5	37.5	84097	74	75	1	2.00	3.00	16.0	24.0	<0.2	
76	78	TS			16			qsp															95.5	41	84098	76.0	77.0	1.0	3.00	4.00	18.0	17.0	<0.2	
																									84099	77	78	1	2.00	4.00	16.0	27.0	<0.2	
78	**80**	**TS**			15																		96	16										
80	82	TS			19		vn	qsp								vn							99	28.5	84100	80	81	1	2.00	4.00	18.0	29.0	<0.2	
80	82	TS	fresh																						84101	81	82	1	2.00	4.00	16.0	23.0	<0.2	
82	84	TS	fresh																				89.5	11.5										
84	86	TS	fresh		12																		86	66										
86	88	TS	fresh		15																	fr	99	26.5										
88	90	TS	fresh		6																	fr	96	26										
90	92	TS	fresh		17																		92.5	26.5										
92	94	TS	fresh		24																		98	48.5	84102	92.0	93.0	1.0	2	5	14.0	21.0	<0.2	
																									84103	dup								
94	96	TS	fresh		3																		98	59										

GOLDEN DAWN MINERALS

	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
GOLDEN DAWN MINERALS	COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 3/10
Diamond Drill Hole Record				Northing (m)	6356511		LOGGED BY: KMD
Epithermal Form				Easting(m)	616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration				Elevation (m)	1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
96	98	TS	fresh		5																		94	40										
98	100	TS	fresh		12																		99	57.5	84104	99.0	100.0	1.0	2	6	18.0	26.0	<0.2	
100	102	TS	fresh		5																		85	42										
102	104	TS	fresh		15																		95	72.5	84105	100.0	101.0	1.0	3.00	25.00	32.0	90.00	<0.2	
104	106	TS	fresh		10																		99	50	84106	104.0	105.0	1.0	3.00	7.00	26.0	36.00	0.20	
																									84107	105.0	106.0	1.0	2	8	26.0	32.00	0.20	
106	108	TS	fresh		2																	fr	87.5	10										
108	110	TS	fresh		25																	vn	99	46	84108	108.0	109.0	1.0	2	10	30.0	31.0	0.2	
110	112	TS	fresh		14		w	w															98	71.5	84109	109.0	110.0	1.0	2.00	5.00	20.0	16.0	<0.2	
																						vn			84110	111.0	112.0	1.0	5	9	56.0	279.0	<0.2	
112	114	TS	fresh		14																	vn	96	32.5	84111	112.0	113.0	1.0	2.00	5.00	20.0	19.0	<0.2	
114	116	TS	prop		11	wk																	96	64	84112	115.0	116.0	1.0	3	4	66.0	158.0	<0.2	
																									84113	blank			<1	<1	15.0	<1	<0.2	
116	118	TS	prop		10	wk																fr	96	54	84114	116.0	117.0	1.0	12.00	90.00	594.0	127.0	0.50	
118	120	TS	prop		18	wk																	95	62.5	84115	119.0	120.0	1.0	2	7	460.0	26.0	0.20	
120	122	TS	prop		12	wk																	92.5	19										
122	124	TS	prop																				95	62.5	84116	122.0	123.0	1.0	2.00	23.00	26.0	93.0	<0.2	
																									84117	123	124	1	3	3	20.0	13.0	<0.2	
124	126	TS	prop		16																		89	60	84118	124	125	1	1.00	4.00	20.0	23.0	<0.2	
																									84119	125.0	126.0	1.0	3.00	7.00	36.0	52.0	<0.2	
126	128	TS	prop		10																		95.5	55	84120	126.0	127.0	1.0	10	58	238.0	107.8	0.80	
																									84121	127.0	128.0	1.0	3	12	226.0	86.0	0.40	
128	130	TS	prop		5																		95	50										
130	132	TS	prop		11																		92.5	55	84122	130.0	131.0	1.0	4.00	4.00	28.0	25.0	<0.2	
																									84123				4	5	20.0	25.0	<0.2	
132	134	TS	prop		10																		99	36	84124	133.0	134.0	1.0	2.00	6.00	28.0	45.0	<0.2	
134	136	TS	prop		12																		98.5	55.5	84125	134.0	135.0	1.0	11.00	10.00	30.0	101.0	<0.2	
136	138	TS	prop		27																		95	60	84126	135.0	136.0	1.0	1.00	4.00	26.0	42.0	<0.2	
																									84127	136.0	137.0	1.0	2.00	6.00	22.0	28.0	<0.2	
138	140	TS	prop		15																		93	37.5	84128	138.0	139.0	1.0	2.00	3.00	18.0	30.0	0.20	
																									84129	139.0	140.0	1.0	2	5	24.0	27.0	0.20	

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 4/10
Diamond Drill Hole Record				Northing (m)	6356611		LOGGED BY: KMD
Epithermal Form				Easting(m)	616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration				Elevation (m)	1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data										
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
140	142	TS			18																		98	48	84130	140.0	141.0	1.0	2	2	40.00	54.00	0.20	
																									84131	141.0	142.0	1.0	2	7	18.00	39.00	<0.2	
142	144	TS			11																		96	29.5										
144	**146**	**TS**			3																		98.5	60	84132	144.0	145.0	1.0	3.00	22.00	26.00	39.00	<0.2	
																									84133	blank		1.0	<1	<1	4.0	<1	<0.2	
																									84134	145.0	146.0	1.0	3.00	23.00	22.0	42.0	<0.2	
146	148	TS			20																		95	28.5	84135	146.0	147.0	1.0	<1	2	12.0	20.0	<0.2	
																									84136	147.0	148.0	1.0	2	13	20.0	44.0	<0.2	
148	150	TS			16																		91	17.5	84137	149.0	150.0	1.0	3	6	18.0	28.0	<0.2	
150	152	TS			19																		98	60.5	84138	150.0	151.0	1.0	2	6	18.0	27.0	<0.2	
																									84139	151.0	152.0	1	3.00	10.00	114.0	85.0	0.2	
152	154	TS			17																		96.5	65	84140	152.0	153.0	1	6	42	330	528	0.60	
																									84141	153.0	154.0	1	3.00	45	144	141	0.2	
154	156	TS			19																		95	37,5	84142	154.0	155.0	1	2.00	5.00	28.0	51.0	<0.2	
																									84143				2.00	5.00	22.0	40.0	<0.2	
																									84144	155.0	156.0	1	1.00	11.00	18.0	30.0	<0.2	
156	158	TS			18																		99	85	84145	157	158	1	4	7	16.0	32.0	<0.2	
158	160	TS			21																		96	55	84146	158	159	1	2	5	14.0	31.0	<0.2	
																									84147	159	160	1	2	4	14.0	31.0	<0.2	
160	162	TS			12																	fr	99	47.5	84148	161	162	1	6.00	6.00	22.00	34.00	<0.2	
162	164	TS	fresh		22																	fr	99	77.5	84149	162	163	1	2.00	4.00	14.00	27.00	<0.2	
																									84150	163	164	1	2.00	4.00	14.00	22.00	<0.2	
164	166	TS	fresh		16																	fr	99	81										
166	168	TS	fresh		12																		99	80	84151	166	167	1	4.00	9.00	18.00	31.00	<0.2	
168	170	TS	fresh		11																		94.5	35.5	84152	169	170	1	3.00	5.00	14.00	30.00	<0.2	
																									84153				<1	<1	6.0	<1	<0.2	
170	172	TS	fresh		12	qvn																	98	47										
172	174	TS	fresh		10																		99	84	84154	172.0	173.0	1	2	3	16.0	32.0	<0.2	
																							95	40	84155	173.0	174.0	1	2.00	7.00	16.0	51.0	0.2	
174	176	TS	fresh		15																													
176	178	TS	fresh		15																				84156	176.0	177.0	1	3.00	4.00	14.0	29.0	<0.2	
178	180	TS	fresh		11																													

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 5/10
Diamond Drill Hole Record				Northing (m):	6366511		LOGGED BY: KMD
Epithermall Form				Easting(m):	616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration				Elevation (m):	1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk, s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data										
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
180.0	182.0	TS	fresh		21																		96.5	55	84157	180.0	181.0	1.0	4.00	6.00	14.0	41.0	<0.2	
182.0	184.0	TS	fresh		6																		90.5	43										
184.0	186.0	TS	fresh		17																		87	42	84158	184.0	185.0	1.0	3.00	31.00	96.0	73.0	<0.2	
186.0	188.0	TS	fresh		12																		90	18										
188.0	190.0	TS	fresh		5																		90	5										
190.0	192.0	TS	fresh		11																		96.5	56	84159	190.0	191.0	1.0	5	6	18	37	0.2	
192.0	194.0	TS			12																		97.5	88.5	84160	191.0	192.0	1.0	13	54	562	702	1.0	
																									84161	193.0	194.0	1.0	2	11	34	61	<0.2	
194.0	196.0	TS																							84162	194.0	195.0	1.0	2	4	14	33	0.2	
																									84163				2	4	12	34	<0.2	
		TS			17																				84164	195.0	196.0	1.0	2	5	18	40	<0.2	
196.0	198.0																						95.5	50	84165	196.0	197.0	1.0	2	6	18	44	0.3	
		TS			7																				84166	197.0	198.0	1.0	3	11	14	37	5.4	
198.0	200.0	TS			8																		99	63										
200.0	202.0	TS			14																		98	49.5	84167	200.0	201.0	1.0	3	6	16	30	<0.2	
202.0	204.0																						99	49	84168	202.0	203.0	1.0	6	12	622	1085	1.00	
		TS			10																				84169	203.0	204.0	1.0	4	13	86	110	0.20	
204.0	206.0	TS			15																		97.5	72.5	84170	204.0	205.0	1.0	4	5	26	38	0.30	
206.0	208.0	TS			15																		99	60	84171	206.0	207.0	1.0	2	5	16	27	0.20	
208.0	210.0																						92.5	79	84172	208.0	209.0	1.0	3	12	20	47	0.20	
		TS			10																				84173				<1	<1	4	<1	<0.2	
210.0	212.0	TS			18																		91	49	84174	211.0	212.0	1.0	5	9	32	50	0.40	
212.0	214.0	TS			21																		98	64	84175	212.0	213.0	1.0	11	35	792	1230	1.10	
214.0	216.0																						99	46	84176	214.0	215.0	1.0	3	9	38	84	0.20	
		TS			20																				84177	215.0	216.0	1.0	3	6	18	48	0.3	
216.0	218.0	TS			18																		99	65	84178	216.0	217.0	1.0	2	6	18	25	<0.2	
218.0	220.0	TS			15																		99	82	84179	219.0	220.0	1.0	3	3	18	34	<0.2	
220.0	222.0	TS			8																		99	10	84180	221.0	222.0	1.0	7	19	228	346	0.4	
222.0	224.0	TS			19																		93	40	84181	223.0	224.0	1.0	2	8	32	60	0.2	
224.0	226.0																						99	78	84182	224.0	225.0	1.0	5	22	30	630	0.2	
																									84183				5	20	32	594	0.2	
					16																				84184	225.0	226.0	1.0	4	29	32	446	0.3	

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 6/10
Diamond Drill Hole Record			Northing (m):		6358611		LOGGED BY: KMD
Epithermall Form			Easting(m):		616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration			Elevation (m):		1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
226.0	228.0	TS			5																		98	59										
228.0	230	TS			11																		99	60										
230.00	232.00	TS																					93.5	71.5	84185	230.0	231.0	1.0	2	5	14.0	27.0	0.2	
232.00	234.00	TS			15																		99	80.5										
234.00	236.00	TS			17																		99	84	84186	234.0	235.0	1.0	3.00	18.00	58.0	47.0	0.3	
																									84187	235.0	236.0	1.0	4.00	34.00	124.0	224.0	0.2	
236.00	238.00	TS			18																		96.5	78.5	84188	236.0	237.0	1.0	3	15	40.0	63.0	<0.2	
																									84189	237	238	1	7	112	260.0	608.0	0.4	
238.00	24.00	TS			20																		99	56.8	84190	238.0	239.0	1.0	4	16	154.0	73.0	0.2	
240.00	242.00	TS			19																		88	44.5	84191	241.0	242.0	1.0	3	7	16.0	21.0	0.2	
242.00	244.00	TS			13																		99	65	84192	242.0	243.0	1.0	4	9	26.0	46.0	<0.2	
																									84193				<1	<1	<1	<1	<0.2	
																									84194	243.0	244.0	1.0	3	19	30.0	121.0	0.3	
244.00	246.00				8																		99	76	84195	244.0	245.0	1.0	3	7	28.0	51.0	<0.2	
																									84196	245.0	246.0	1.0	3	18	32.0	47.0	<0.2	
246.00	248.00				12																		99	63.5	84197	246.0	247.0	1.0	3.00	8.00	48.0	87.0	0.2	
																									84198	247	248	1	3.00	5.00	30.0	69.0	<0.2	
248.00	250.00				24																		99	45.5	84199	248	249	1	2.00	10.00	24.0	40.0	0.2	
																									84200	249.0	250.0	1.0	4.00	7.00	22.0	23.0	<0.2	
250.00	252.00				15																		87.5	44										
252.00	254.00				11																		94	41.5										
254.00	256.00				21																		91.5	44	84201	254	255	1	2.00	3.00	22.0	51.0	<0.2	
																									84202	255	256	1	3.00	2.00	24.0	14.0	0.2	
																									84203				3.00	2.00	22.0	15.0	<0.2	
256.00	258.00				25																		98	50	84204	256.0	257.0	1.0	3.00	7.00	18.0	33.0	0.2	
258.00	260.00				20																		98	77.5										
260.00	262.00				10																		90	23.5										
262.00	264.00				16																		94	22.5										
264.00	266.00				5																				84205	264.0	265.0	1.0	3	4	50.0	73.0	0.3	
																									84206	265.0	266.0	1.0	3.00	3.00	30.0	31.0	0.3	
266.00	268.00				f																		90	50	84207	266.0	267.0	1.0	2	4	30.0	27.0	0.2	

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
	COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 7/10
Diamond Drill Hole Record			Northing (m):		6358511		LOGGED BY: KMD
Epithermal Form			Easting(m):		616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration			Elevation (m):		1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
																									84208	267.0	268.0	1.0	9.00	18.00	186.0	169.0	1.0	
268.00	270.00				27																		99	47.5	84209	268.0	269.0	1.0	4	8	118.0	89.0	0.6	
																									84210	269.0	270.0	1.0	9.00	6.00	48.0	29.0	0.5	
270.00	272.00				21																		87.5	39	84211	270.0	271.0	1.0	4.00	3.00	38.0	67.00	0.6	
																									84212	271.0	272.0	1.0	3.00	19.00	32.0	35.00	0.3	
272.00	274.00				18																		36.5	61	84213	blank			<1	<1	4.0	<1	<0.2	
274.00	276.00				16																		97.5	52.5										
276.00	278.00				10																		97.5	59										
278.00	280.00				17																		97	60.5										
280.00	282.00				13																		94.5	65										
282.00	284.00				11																		99	40										
284.00	286.00				10																		98	55										
286.00	288.00				14																		95.5	41.5										
288.00	290.00				13																		99	56										
290.00	292.00				2																		99	57.5										
292.00	294.00				7																		99	71.5										
294.00	296.00				4																		99	78										
296.00	298.00				7																		97.5	58.5										
298.00	300.00				3																		99	71										
300.00	302.00				6																		96	73.5										
302.00	304.00				6																		96.5	71										
304.00	306.00				8																		99	50.5										
306.00	308.00				7																		99	47.5										
308.00	310.00				7																		99	54										
310.00	312.00				4																		98	50										
312.00	314.00				13																		99	65										
314.00	316.00				13																		99	52.5	84214	315.0	316.0	1.0	3.00	6.00	36.00	50.00	<0.2	<0.03
316.00	318.00				16																		95	50.5										
318.00	320.00				16																		99	62.5	84215	319.0	320.0	1.0	3.00	5.00	30.00	37.00	<0.2	<0.03
320.00	322.00				8																		94	69	84216	320.0	321.0	1.0	4.00	3.00	26.00	33.00	<0.2	<0.03
322.00	324.00				15																		99	63.5	84217	322.0	323.0	1.0	3.00	4.00	30.00	37.00	<0.2	<0.03
																							100	61	84218	323.0	324.0	1.0	4	6	30.00	59.00	<0.2	<0.03

GOLDEN DAWN MINERALS		DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
		COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 8/10
Diamond Drill Hole Record	Northing (m):					6356511		LOGGED BY: KMD
Epithermall Form	Easting(m):					616789	STARTED: sept 13/2007	SAMPLED BY: Berry
Project: SOM Exploration	Elevation (m):					1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolite	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
324.00	326.00				6																		93	39										
326.00	328.00				7																		99	65										
328.00	330.00				16																		99	40	84219	328.0	329.0	1.0	4	3	44.00	36.00	<0.2	<0.03
330.00	332.00				7																		98	58	84220	330.0	331.0	1.0	6.00	7.00	24.00	37.00	<0.2	0.04
332.00	334.00				3																		93	80										
334.00	336.00				10																		99	71.5										
336.00	338.00				5																		95	89										
338.00	340.00				7																		98	73.5	84221	339.0	340.0	1.0	6	10	50.0	51.0	<0.2	<0.03
340.00	342.00				14																		98	71.5	84222	340.0	341.0	1.0	4	5	28.0	37.0	<0.2	<0.03
342.00	344.00				6																		97	94.5	84223	plicate			4	4	32.0	36.0	<0.2	<0.03
344.00	346.00				12																		99	77										
346.00	348.00				13																		99	86.5										
348.00	350.00				8																		99	65.5										
350.00	352.00				9																		99	64	84224	351.0	352.0	1.0	4.00	6.00	36.0	30.0	<0.2	<0.03
352.00	354.00				2																		90	43										
354.00	356.00				15																		98	51.5										
356.00	358.00				9																		99	78.5	84225	356	357	1	4	42	70.0	475.0	<0.2	0.07
358.00	360.00				8																		98	32	84226	358	359	1	4	163	48.0	4216.0	<0.2	<0.03
360.00	362.00				15																		90	19	84227	361	362	1	20	88	96.0	1431.0	<0.2	<0.03
362.00	364.00				9																		96.5	72										
364.00	366.00				15																		93.5	60										
366.00	368.00	TS			16																		99	68.5	84228	366	367	1	9.00	12.00	110.0	316.00	0.30	<0.03
368.00	370.00	TS			8																		97.5	67.5										
370.00	372.00	TS			27																		99.5	73.5	84229	370	371	1	2.00	4.00	32	31.00	<0.2	<0.03
																							98	68.5	84230	371	372	1	4.00	5.00	22	22.00	<0.2	<0.03
372.00	374.00	TS			21																				84231	372.0	373.0	1.0	2.00	7.00	28	44.0	<0.2	<0.03
																									84232	373.0	374.0	1.0	7.00	3.00	24	36.0	<0.2	<0.03
																									84233				<1	<1	6	2.0	<0.2	<0.03
																							99	70.5	84234	374.0	375.0	1.0	4.00	3.00	28	66.0	<0.2	<0.03
374.00	376.00	TS			16																				84235	375.0	376.0	1.0	4.00	3.00	48	45.0	<0.2	<0.03
																							95.5	54	84236	376.0	377.0	1.0	3.00	7.00	32	28.0	<0.2	<0.03
376.00	378.00	TS			18																				84237	377.0	378.0	1.0	4.00	9.00	28	35.0	<0.2	<0.03

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN
	COLLAR	120	-70	Brunton	CLAIM:
Diamond Drill Hole Record		Northing (m):			6356511
Epithermal Form		Easting(m):			616789
Project: SOM Exploration		Elevation (m):			1827m

LENGTH: 453.15 | HOLE NO.: SOM-07-01
CORE SIZE: NT | SHEET NO. 9/10
LOGGED BY: KMD
STARTED: sept 13/2007 | SAMPLED BY: Barry
COMPLETED: Sept 23/2007 | PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fot. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
378.0	380.0	TS			22																		99	63.5	84238	378.0	379.0	1.0	2.00	6.00	32.0	34.0	0.2	<0.03
380.0	382.0	TS			29																		93	34	84239	380.0	381.0	1.0	4.00	7.00	36.0	68.0	<0.2	<0.03
																									84240	381.0	382.0	1.0	3.00	6.00	34.0	47.0	<0.2	<0.03
382.0	384.0	TS			36																		99.5	62	84241	382.0	383.0	1.0	35.00	8.00	28.0	17.0	0.2	<0.03
																									84242	383.0	384.0	1.0	7.00	5.00	30.0	29.0	0.2	<0.03
																									84243				8	4	28	36	<0.2	<0.03
384.0	386.0	TS			12																		99	50	84244	384.0	385.0	1.0	7	24	24	80	0.6	<0.03
386.0	388.0	TS			10																		98	42	84245	387.0	388.0	1.0	1	5	<2	33	<0.2	<0.03
388.0	390.0	TS			13																		97.5	86										
390.0	392.0	TS			10																		99	11	84246	390.0	391.0	1.0	5	6	8	79	<0.2	<0.03
392.0	394.0	TS			14																		98	56	84247	392.0	393.0	1.0	2	13	14	71	0.2	<0.03
394.0	396.0	TS			14																		99	61.5										
396.0	398.0	TS			9																		99	87.5										
398.0	400.0	TS			16																		95	88										
400.0	402.0	TS			14																		99	65.5										
402.0	404.0	TS			9																		99	74										
404.0	406.0	TS			12																		97	85	84248	404.0	405.0	1.0	3	25	96	171	0.20	<0.03
406.0	408.0	TS			8																		99	65										
408.0	410.0	TS			12																		98	79	84249	408.0	409.0	1.0	5	20	50	182	<0.2	<0.03
																									84250	409.0	410.0	1.0	4	15	62	130	<0.2	<0.03
410.0	412.0	TS			17																		99	82.5	84251	410.0	411.0	1.0	4	11	74	115	0.20	<0.03
																									84252	411.0	412.0	1.0	4	12	56	124	<0.2	<0.03
																							blank		84253				<1	<1	4	<1	<0.2	<0.03
412.0	414.0	TS			11																		98	75	84254	412.0	413.0	1.0	4	6	430	35	<0.2	<0.03
																									84255	413.0	414.0	1.0	3	6	26	30	<0.2	<0.03
414.0	416.0	TS			6																		96.5	77.5										
416.0	418.0	TS			18																		98	67										
418.0	420.0	TS			30																		94	83.5	84256	418.0	419.0	1.0	3	9	52	120	<0.2	<0.03
																									84257	419.0	420.0	1.0	4	4	28	33	<0.2	<0.03
420.0	422.0	TS			23																		98	52.5	84258	420.0	421.0	1.0	2	6	26	30	<0.2	<0.03
422.0	424.0	TS			24																		99	48	84259	422.0	423.0	1.0	4	9	30	45	<0.2	<0.03
																									84260	423	424	1.0	2	4	20	56	<0.2	<0.03

GOLDEN DAWN MINERALS

DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 453.15	HOLE NO.: SOM-07-01
COLLAR	120	-70	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 10/10

Diamond Drill Hole Record	Northing (m):	6356511		LOGGED BY: KMD
Epithermal Form	Easting(m):	616789	STARTED: sept 13/2007	SAMPLED BY: Barry
Project: SOM Exploration	Elevation (m):	1627m	COMPLETED: Sept 23/2007	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
424.00	426.00	TS			23																		99	48.5	84261	424.0	425.0	1	4.00	6.00	32.0	66.0	0.2	<0.03
																									84262	425.0	426.0	1.0	4.00	5.00	26.0	33.0	<0.2	<0.03
																							dup		84263			1.0	3	6	26.0	33.0	<0.2	<0.03
426.00	428.00	TS			18																		94.5	47.5	84264	426	427	1.0	2.00	8.00	28.0	37.0	<0.2	<0.03
428.00	430.00	TS			9																		98	50										
430.00	432.00	TS			19																		97	52.5	84265	431.0	432.0	1.0	4.00	7.00	28.0	39.0	<0.2	<0.03
432.00	434.00	TS			22																		97.5	50	84266	433	434	1	2	4	22.0	31.0	0.2	<0.03
434.00	436.00	TS			13																		92.5	41.5	84267	435.0	435.0	1.0	5	6	36.0	42.0	<0.2	<0.03
436.00	438.00	TS			11																		95	23.5	84268	436.0	437.0	1.0	3	4	30.0	39.0	<0.2	<0.03
438.00	440.00	TS			5																		99	52.5										
440.00	442.00	TS			13																		97.5	35	84269	441.0	442.0	1.0	3	6	22.0	29.0	<0.2	<0.03
442.00	444.00				25																	vn	99	79.5	84270	442	443	1.0	2	6	30.0	46.0	<0.2	<0.03
																									84271	443.0	444.0	1.0	4	5	24.0	40.0	0.2	<0.03
444.00	446.00				8																		96	56	84272	444.0	445.0	1.0	3	4	4.0	25.0	<0.2	<0.03
																							blank		84273				<1	<1	4.0	<1	<0.2	<0.03
																									84274	445.0	446.0	1.0	2.00	5.00	22.0	25.0	<0.2	<0.03
446.00	448.00				13																		99	65	84275	446	447	1	2.00	4.00	20.0	24.0	<0.2	<0.03
448.00	450.00				12																		99	61.5	84276	449	450	1	4.00	5.00	28.0	32.0	<0.2	<0.03
450.00	452.00				8																		98	60	84277	450.0	451.0	1.0	3.00	5.00	36.0	29.0	0.2	0.03
452.00	453.15				4																													
	EOH																																	

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 450m	HOLE NO.: Som-07-02
	COLLAR	90	-88.5	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 1/8
Diamond Drill Hole Record				Northing (m):	6356605		LOGGED BY: KMD
Epithermal Form				Easting(m):	616721	STARTED: Sept 04/07	SAMPLED BY: Justin
Project: SOM Exploration				Elevation (m):	1607.8m	COMPLETED: Oct 3/01	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
0.0	6.0	casing	O.B.																				70	29										
6.0	8.0	TS			0																		55	0										
8.0	10.0	TS	Broken		0																		50	0										
10.0	12.0	TS	Broken		0																		50	0	84278	11.0	17.0	1.0	5.0	31.0	28.0	39.0	<0.2	<0.03
12.0	14.0	TS	Broken		0																		50	0										
14.0	16.0	TS	Broken		0																		50	0										
16.0	18.0	TS	Broken		0																		68.5	11	84279	16.0	17.0	1.0	3.0	14.0	12.0	8.0	<0.2	0.0
18.0	20.0	TS	Broken		0																		60	20	84280	17.0	18.0	1.0	5.0	4.0	16.0	11.0	<0.2	0.0
20.0	22.0	TS	Broken		0																		70	0										
22.0	24.0	TS	Broken		0																		85	0	84281	22.0	23.0	1.0	5.0	18.0	24.0	45.0	<0.2	0.1
																									84282	23.0	24.0	1.0	5.0	26.0	24.0	44.0	<0.2	0.1
																									84283				4.0	26.0	24.0	46.0	<0.2	0.1
24.0	26.0	TS	Broken		0																		50	0										
26.0	28.0	TS	Broken		0																		50	0										
28.0	30.0	TS	Broken		0																		50	0										
30.0	32.0	TS	Broken		0																		50	0										
32.0	34.0	TS	Broken		7																		62	12	84284	33.0	34.0	1.0	4.0	21.0	20.0	23.0	<0.2	0.0
34.0	36.0	TS	Broken		15																		62.5	6	84285	34.0	35.0	1.0	5.0	23.0	20.0	19.0	<0.2	0.0
36.0	38.0	TS	Broken		6																		90	6										
38.0	40.0	TS	Broken		5																		85	0										
40.0	42.0	TS	Broken		8																		52	7.5	84286	40.0	41.0	1.0	12.0	17.0	14.0	12.0	0.5	0.0
42.0	44.0	TS	Broken		4																		70	18.5	84287	44.0	44.0	1.0	6.0	6.0	14.0	10.0	<0.2	0.0
44.0	46.0	TS	Broken		3																		42.5	5	84288	45.0	46.0	1.0	7.0	18.0	30.0	41.0	<0.2	0.1
46.0	48.0	TS	Broken		2																		77.5	18.5										
48.0	50.0	TS	Broken		2																		50	0										
50.0	52.0	TS	Broken		0																		55	0										
52.0	54.0	TS	Broken		2																		60	30										
54.0	56.0	TS			2				x		x												34	11										
56.0	58.0	TS			0				x		x												50	0										
58.0	60.0	TS			0				x		x												60	0										
60.0	62.0	TS			0				x		x					x							90	5										
62.0	64.0	TS			0				x		x												71	0										

GOLDEN DAWN MINERALS

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR	90	-88.5	Brunton

Diamond Drill Hole Record

Epithermal Form

Project: SOM Exploration

Northing (m): 6356605

Easting(m): 616721

Elevation (m): 1607.8m

PROPERTY: SWAN

CLAIM:

LENGTH: 450m

CORE SIZE: NT

STARTED: Sept 04/07

COMPLETED: Oct 3/01

HOLE NO.: Som-07-02

SHEET NO. 2/8

LOGGED BY: KMD

SAMPLED BY: Justin

PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
64.0	66.0	TS	Broken		1				x		x												54	0										
66.0	68.0	TS	Broken		0				x		x												90	0										
68.0	70.0	TS	Broken		0				x		x					x							80	0										
70.0	72.0	TS	Broken		0				x		x					x							80	0										
72.0	74.0	TS	Broken		3				x		x												60	0	84289	73.0	74.0	1.0	6.0	11.0	56.0	66.0	<0.2	0.0
74.0	76.0	TS	Broken		0				x		x					x							50	0										
76.0	78.0	TS	Broken		0				x		x					x							50	0										
78.0	80.0	TS	Broken		0				x		x												45	0										
80.0	82.0	TS	Broken		0				x		x												40	0										
82.0	84.0	TS	Broken		0				x		x												31	0										
84.0	86.0	TS	Broken		0				x		x												41	0										
86.0	88.0	TS	Broken		0				x		x												18	0										
88.0	90.0	TS	Broken		0				x		x												21	0										
90.0	92.0	TS			0				x		x												24	0										
92.0	94.0	TS			0				x		x												22	0										
94.0	96.0	TS			0				x		x												21	0										
96.0	98.0	TS			0				x		x												21	0										
98.0	100.0	TS			0				x		x												22	0										
100.0	102.0	TS			0				x		x												22	0										
102.0	104.0	TS			0				x		x												22	0										
104.0	106.0	TS			0				x		x												22	0										
106.0	108.0	TS			0				x		x												14	0										
108.0	110.0	TS	Broken																				11	0										
110.0	112.0	TS	Broken																				11	0										
112.0	114.0	TS	Broken																				27	0										
114.0	117.0	TS	Broken																				17	0										
117.0	120.0	TS	Broken																				40	0										
123.0	126.0	TS	Broken																				80	0	84290	125.0	126.0	1.0	4.0	12.0	20.0	26.0	<0.2	<0.03
126.0	128.0	TS			19																		99	95	84291	126.0	123.0	1.0	6.0	32.0	192.0	199.0	<0.2	<0.03
128.0	130.0	TS			30																		99	75	84292	129.0	130.0	1.0	5.0	17.0	40.0	32.0	<0.2	<0.03
																									84293				<1	<1	4.0	<1	<0.2	<0.03

GOLDEN DAWN MINERALS	DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 450m	HOLE NO.: Som-07-02
	COLLAR	90	-88.5	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 3/8
Diamond Drill Hole Record				Northing (m):	6356605		LOGGED BY: KMD
Epithermal Form				Easting(m):	616721	STARTED: Sept 04/07	SAMPLED BY: Justin
Project: SOM Exploration				Elevation (m):	1607.8m	COMPLETED: Oct 3/01	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data										
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	Zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/m
130.0	132.0	TS			37																		98	90										
132.0	134.0	TS			43																				84294	133.0	134.0	1.0	4.0	5.0	18.0	12.0	<0.2	<0.03
134.0	136.0	TS			35																		98.5	75										
136.0	18.0	TS			45																		99	80	84295	136.0	137.0	1.0	6.0	5.0	10.0	8.0	<0.2	<0.03
138.0	140.0	TS			34																		99	73.5										
140.0	142.0	TS			40																		99	79.5										
142.0	144.0	TS			17																		99	75	84296	142.0	143.0	1.0	6.0	6.0	20.0	7.0	<0.2	<0.03
144.0	146.0	TS/AP			5																		97.5	80										
146.0	148.0	AP			12																		98.5	91.5										
148.0	150.0	AP			20																		99	99										
150.0	152.0	AP			35																		97.5	94.5										
152.0	154.0	AP			16																		99	87.5										
154.0	156.0	AP			13																		99	94										
156.0	158.0	AP			7																		99	80										
158.0	160.0	AP			5																		79.5	55										
160.0	162.0	AP			4																		99	78										
162.0	164.0	AP			2																		99	92.5										
164.0	166.0	AP/TS			7																		98	29.5										
166.0	168.0	TS	unhyd		12						x												99	56.5										
168.0	170.0	TS	clay		6						x												99	56	84297	170.0	171.0	1.0	7.0	33.0	22.0	29.0	<0.2	<0.03
170.0	172.0	TS/AP	fresh		6																		98	82	84298	173.0	174.0	1.0	6.0	29.0	26.0	49.0	<0.2	<0.03
172.0	174.0	TS/AP	fresh		23																		99	93	84299	175.0	176.0	1.0	5.0	149.0	344.0	439.0	0.3	0.0
174.0	176.0	TS	fresh		23																		99	95										
176.0	178.0	TS	fresh		20																		99	66										
178.0	180.0	TS	fresh		6																		99	83.5										
180.0	182.0	TS			8																		99	96.5	84300	182.0	183.0	1.0	7.0	13.0	40.0	36.0	0.2	0.0
182.0	184.0	TS			5																				84301	183.0	184.0	1.0	17.0	13.0	80.0	94.0	<0.2	<0.03
																							97.5	90	84302	184.0	185.0	1.0	6.0	35.0	252.0	349.0	0.2	0.0
184.0	186.0	TS	k-spar		6																		97.5	82.5	84303	187.0	188.0	1.0	4.0	12.0	90.0	61.0	<0.2	<0.03
186.0	188.0	TS	fresh		8																		98	79	84304	188.0	189.0	1.0	15.0	21.0	500.0	970.0	0.4	<0.03
188.0	190.0	TS	fresh		6																		99	38										
190.0	192.0	TS	k-spar		4																		98	50										

GOLDEN DAWN MINERALS

Diamond Drill Hole Record

Epithermal Form

Project: SOM Exploration

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR	90	-88.5	Brunton

Northing (m): 6356605

Easting(m): 616721

Elevation (m): 1607.8m

PROPERTY: SWAN

CLAIM:

LENGTH: 450m

CORE SIZE: NT

STARTED: Sept 04/07

COMPLETED: Oct 3/01

HOLE NO.: Som-07-02

SHEET NO. 4/8

LOGGED BY: KMD

SAMPLED BY: Justin

PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/m
192.0	194.0	TS/AP	clay unhyd		4																		99	96	84305	195.0	196.0	1.0	5.0	24.0	28.0	31.0	<0.2	<0.03
194.0	196.0	AP			3																		99	90	84306	197.0	198.0	1.0	4.0	32.0	24.0	26.0	<0.2	0.1
196.0	198.0	AP/TS			14																		99	85	84307				4.0	29.0	22.0	26.0	<0.2	0.0
198.0	200.0	**TS**	fresh		21																				84308	198.0	199.0	1.0	5.0	18.0	20.0	21.0	<0.2	<0.03
																							99	90	84309	199.0	200.0	1.0	8.0	20.0	18.0	21.0	<0.2	0.0
200.0	202.0	TS			24																				84310	200.0	201.0	1.0	9.0	78.0	30.0	30.0	<0.2	0.0
																							99	96										
202.0	204.0	TS	k-spar		6																		98	99	84311	205.0	206.0	1.0	4.0	33.0	82.0	96.0	<0.2	<0.03
204.0	206.0	TS	fresh		5																		95	86										
206.0	208.0	TS	fresh		3																		99	95.5										
208.0	210.0	TS	fresh		16																		99	90	84312	211	212.0	1.0	6.0	26.0	24.0	26.0	<0.2	0.0
210.0	212.0	TS	fresh																						84313				<1	<1	6.0	<1	<0.2	<0.03
212.0	214.0	TS	fresh		8																		96.7	77	84314	212.0	213.0	1.0	4.0	19.0	28.0	28.0	<0.2	0.1
214.0	216.0	TS	fresh		9																		90	79										
216.0	218.0	TS	fresh		8																		99	95										
218.0	220.0	TS	fresh		7																		99	90										
220.0	222.0	TS	fresh		18																		98	79.5										
222.0	224.0	TS			10																		99	99										
224.0	226.0	TS			8																		96	72.5										
226.0	228.0	TS	broken		6																		90	11										
228.0	230.0	TS	broken		9																		90	23										
230.0	232.0	TS	bleached		13																		78	87.5	84315	230	231.0	1.0	6.0	27.0	16.0	26.0	<0.2	<0.03
232.0	234.0	TS			10																		97	90	84316	232	233.0	1.0	4.0	26.0	24.0	37.0	0.2	0.0
234.0	236.0	TS	fresh		12																		98	86.5										
236.0	238.0	TS	fresh		13																		99	85										
238.0	240.0	TS	k-spar		30																		98	91	84317	238.0	239.0	1.0	5.0	159.0	86.0	111.0	0.7	0.1
																									84318	239.0	240.0	1.0	5.0	131.0	16.0	19.0	0.5	<0.03
240.0	242.0	TS	fresh		12																		99	90	84319	240.0	241.0	1.0	3.0	23.0	12.0	18.0	<0.2	<0.03
242.0	244.0	TS	fresh		10																		98	96.5										
244.0	246.0	TS	fresh		4																		98	78										
246.0	248.0	TS	k-spar		4																		97.5	60	84320	247.0	248.0	1.0	5.0	10.0	14.0	18.0	<0.2	<0.03
248.0	250.0	TS	k-spar		9																		95	57.5	84321	248.0	249.0	1.0	3.0	21.0	16.0	22.0	0.2	<0.03

GOLDEN DAWN MINERALS

Diamond Drill Hole Record

Epithermal Form

Project: SOM Exploration

DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 450m	HOLE NO.: Som-07-02
COLLAR	90	-88.5	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 5/8
			Northing (m):	6356605		LOGGED BY: KMD
			Easting(m):	618721	STARTED: Sept 04/07	SAMPLED BY: Justin
			Elevation (m):	1607.8m	COMPLETED: Oct 3/01	PURPOSE:

INTERVAL					Alteration (p-perv, w-wk, s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
250.0	252.0	TS	k-spar																						84322	251.0	252.0	1.0	5.0	31.0	246.0	212.0	<0.2	<0.03
																									84323	dupli			6.0	36.0	348.0	234.0	0.2	<0.03
252.0	254.0	TS	k-spar		12																				84324	253.0	254.0	1.0	6.0	9.0	18.0	270.0	0.2	<0.03
254.0	256.0	TS	k-spar		27																				84325	254.0	255.0	1.0	5.0	6.0	42.0	55.0	0.3	<0.03
																									84326	255.0	256.0	1.0	5.0	8.0	16.0	53.0	<0.2	<0.03
256.0	258.0	TS	k-spar		10																				84327	256.0	257.0	1.0	18.0	17.0	26.0	21.0	0.3	<0.03
		TS	fault		4																				84328	257.0	258.0	1.0	15.0	10.0	18.0	20.0	0.2	<0.03
258.0	260.0	TS			6																		98	17.5	84329	259.0	260.0	1.0	6.0	6.0	12.0	19.0	<0.2	<0.03
260.0	262.0	TS																					99	21										
262.0	264.0																						97	20	84330	262.0	263.0	1.0	4.0	7.0	10.0	19.0	0.3	<0.03
		TS			12																				84331	263.0	264.0	1.0	7.0	12.0	18.0	25.0	0.2	<0.03
264.0	266.0	TS			10																		98	90										
266.0	268.0																						99	60	84332	266.0	267.0	1.0	6.0	8.0	16.0	18.0	0.2	<0.03
		TS	k-spar		10																				84333									
268.0	270.0	TS	fault		9																		99	60										
270.0	272.0	TS	k-spar		11																		98	43										
272.0	274.0	TS			3																		98	37	84334	273.0	274.0	1.0	<1	<1	2.0	<1	<0.2	<0.03
274.0	276.0	TS	k-spar		17																		97	70										
276.0	278.0	TS	fresh		19																		95	39										
278.0	280.0	TS			6																		98	53										
280.0	282.0	TS			6																		99	87.5										
282.0	284.0	TS	Fault		3																		98	74										
284.0	286.0	TS	bx		9																		99	39	84335	285.0	286.0	1.0	18.0	101.0	148.0	197.0	0.7	<0.03
286.0	288.0	TS	k-spar		14																		94.5	62.5	84336	286.0	287.0	1.0	6.0	57.0	38.0	473.0	0.3	<0.03
288.0	290.0	TS	k-spar		5																		99	37.5										
290.0	292.0	TS	k-spar		1																		98	12	84337	290.0	291.0	1.0	7.0	18.0	22.0	30.0	<0.2	0.0
292.0	294.0	TS	k-spar		6																		99	34										
294.0	296.0	TS	k-spar		9																		96	50										
296.0	298.0	TS	k-spar		15																		97	55	84338	296.0	297.0	1.0	29.0	22.0	18.0	23.0	<0.2	0.0
298.0	300.0	TS			9																		99	85	84339	298.0	299.0	1.0	4.0	24.0	370.0	25.0	<0.2	<0.03
300.0	302.0	TS			9																		97	30	84340	300.0	301.0	1.0	7.0	15.0	16.0	27.0	<0.2	<0.03
302.0	304.0	TS			10																		99	49										

GOLDEN DAWN MINERALS

DEPTH	BEARING	DIP	SURVEY TYPE	PROPERTY: SWAN	LENGTH: 450m	HOLE NO.: Som-07-02
COLLAR	90	-88.5	Brunton	CLAIM:	CORE SIZE: NT	SHEET NO. 6/8

Diamond Drill Hole Record — Northing (m): 6356605 — LOGGED BY: KMD

Epithermal Form — Easting(m): 616721 — STARTED: Sept 04/07 — SAMPLED BY: Justin

Project: SOM Exploration — Elevation (m): 1607.8m — COMPLETED: Oct 3/01 — PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fd. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
304.0	306.0	TS			10																		99	57.5										
306.0	308.0	TS																							84341	306.0	307.0	1.0	4.0	9.0	14.0	29.0	<0.2	<0.03
306.0	308.0	TS	k-spar		9																		97											
308.0	310.0	TS	k-spar		13																		98		84342	307.0	308.0	1.0	5.0	7.0	16.0	25.0	<0.2	<0.03
310.0	312.0	TS	k-spar		15																		99		84343	dupl			6.0	7.0	18.0	25.0	<0.2	<0.03
312.0	314.0	TS	k-spar		14																		97											
314.0	316.0	TS			15																		98											
316.0	318.0	TS			9																		96											
318.0	320.0	TS			10																		99											
320.0	322.0	TS			10																		85											
322.0	324.0	TS	k-spar		20																		98											
324.0	326.0	TS			13																		98											
326.0	328.0	TS			11																		97											
328.0	330.0	TS			14																		98		84344	328.0	329.0	1.0	12.0	6.0	12.0	23.0	0.2	<0.03
																									84345	329.0	330.0	1.0	8.0	6.0	32.0	26.0	<0.2	<0.03
330.0	332.0	TS			16																		88		84346	330.0	331.0	1.0	4.0	22.0	330.0	318.0	0.4	<0.03
332.0	334.0	TS			21																		99											
334.0	336.0	TS	k-spar		10																		93											
336.0	338.0	TS	k-spar		12																		96.5											
338.0	340.0	TS			12																		95											
340.0	342.0	TS			18																		99											
342.0	344.0	TS			16																		96.5		84347	342	343.0	1.0	9.0	8.0	34.0	51.0	<0.2	<0.03
344.0	346.0	TS			19																		96		84348	345	346.0	1.0	32.0	52.0	18.0	45.0	0.3	<0.03
346.0	348.0	TS			15																		98		84349	346	347.0	1.0	6.0	7.0	12.0	23.0	<0.2	<0.03
348.0	350.0	TS			9																		88											
350.0	352.0	TS			15																		99		84350	350	351.0	1.0	13.0	10.0	16.0	33.0	<0.2	<0.03
																									84351	351.0	352.0	1.0	7.0	9.0	22.0	121.0	0.2	<0.03
352.0	354.0	TS			17																		92.5											
354.0	356.0	TS																							84352	354.0	355.0	1.0	11.0	28.0	108.0	1304.0	0.5	<0.03
																									84353	blank								
356.0	358.0	TS			10																		91	66.5										

GOLDEN DAWN MINERALS

Diamond Drill Hole Record

Epithermal Form

Project: SOM Exploration

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR	90	-88.5	Brunton

PROPERTY: SWAN | CLAIM: | Northing (m): 6356605 | Easting(m): 616721 | Elevation (m): 1607.8m

LENGTH: 450m | CORE SIZE: NT | STARTED: Sept 04/07 | COMPLETED: Oct 3/01

HOLE NO.: Som-07-02 | SHEET NO. 7/8 | LOGGED BY: KMD | SAMPLED BY: Justin | PURPOSE:

INTERVAL From (m)	INTERVAL To (m)	Rock Type Code	Geological Description	Core Sketch	Alteration: # Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg	Adv-Arg	Fct. Coating	Qtz	zeolitic	K spar	Mineralization (%): Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD.	Assay Data: Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/tn
358.0	360.0	TS			15																		89	68										
360.0	362.0	TS			8																		95	69										
362.0	364.0	TS			10																		97	70										
364.0	366.0	TS			11																		65	52.5	84354	364.0	365.0	1.0	8.0	12.0	24.0	21.0	<0.2	0.0
																									84355	365.0	366.0	1.0	7.0	25.0	22.0	97.0	<0.2	0.0
366.0	368.0	TS			6																		97	62.5	84356	366.0	367.0	1.0	3.0	23.0	18.0	33.0	<0.2	<0.03
368.0	370.0	TS			6																		89.5	22.5	84357	370.0	371.0	1.0	13.0	15.0	20.0	30.0	<0.2	<0.03
370.0	372.0	TS			11																		93	40	84358	371.0	372.0	1.0	3.0	7.0	14.0	29.0	<0.2	<0.03
372.0	374.0	TS			14																		96	50	84359	372.0	373.0	1.0	3.0	9.0	12.0	25.0	<0.2	<0.03
374.0	376.0	TS			7																		93	12.5										
376.0	378.0	TS			7																		99	17.5										
378.0	380.0	TS			9																		97.5	46										
380.0	382.0	TS			14																		96	40	84360	380	381.0	1.0	13.0	22.0	18.0	74.0	0.3	0.0
																									84361	381.0	382.0	1.0	7.0	23.0	56.0	80.0	0.2	<0.03
382.0	384.0	TS			9																		89	53										
384.0	386.0	TS			6																		98	36										
386.0	388.0	TS			7																		99	40										
388.0	390.0	TS			5																		97	38	84362	388	389.0	1.0	7.0	20.0	22.0	43.0	<0.2	<0.03
																									84363									
390.0	392.0	TS			3																		99	45	84364	390	391.0	1.0	9.0	18.0	24.0	80.0	0.2	<0.03
392.0	394.0	TS			1																		98	67.5										
394.0	396.0	TS			0																		99	82.5										
396.0	398.0	TS			0																		98	65										
398.0	400.0	TS			1																		98.5	73.5										
400.0	402.0	TS			0																		99	79										
402.0	404.0	TS	kspar		7																		88	36.5										
404.0	406.0	TS	broken		4																		95	19										
406.0	408.0	TS	broken		2																		90	20										
408.0	410.0	TS	kspar		2																		98	61										
410.0	412.0	TS			12																		97	38.5										
412.0	414.0	TS			0																		99	37.5										
414.0	416.0	TS			4																		99	15										

GOLDEN DAWN MINERALS

DEPTH	BEARING	DIP	SURVEY TYPE
COLLAR	90	-88.5	Brunton

w

Epithermal Form

Project: SOM Exploration

PROPERTY: SWAN
CLAIM:
6356605
Easting(m): 616721
Elevation (m): 1607.8m

LENGTH: 450m
CORE SIZE: NT
STARTED: Sept 04/07
COMPLETED: Oct 3/01

HOLE NO.: Som-07-02
SHEET NO. 8/8
LOGGED BY: KMD
SAMPLED BY: Justin
PURPOSE:

INTERVAL					Alteration (p-perv, w-wk,s-strong, e-envelope, v- vein, q-qtz, d- diss, f- fract)												Mineralization (%)								Assay Data									
From (m)	To (m)	Rock Type Code	Geological Description	Core Sketch	# Veins	Chl.	Carb.	Ser.	Sil.	Epidote	Arg.	Adv-Arg.	Fct. Coating	Qtz	zeolitic	K spar	Cpy	Gn	Sp	Mo	Magn	Py	Recov.	RQD	Sample No.	From (m)	To (m)	Int	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au g/t
416.0	418.0	TS			3																				84365	416.0	417.0	1.0	4.0	10.0	14.0	42.0	<0.2	<0.03
																									84366	417.0	418.0	1.0	2.0	7.0	14.0	43.0	<0.2	<0.03
418.0	420.0	TS			6																		98	44	84367	418.0	419.0	1.0	5.0	7.0	40.0	62.0	0.3	<0.03
																									84368	419.0	420.0	1.0	2.0	11.0	16.0	79.0	0.2	<0.03
420.0	422.0	TS	kspar		6																		97	33										
422.0	424.0	TS	broken		1																		99	5										
424.0	426.0	TS	chlor		3																		85	36.5										
426.0	428.0	TS	chlor		5																		95	5										
428.0	430.0	TS	chlor		1																		95	10										
430.0	432.0	TS	broken		3																				84369	430.0	431.0	1.0	7.0	15.0	60.0	122.0	0.2	<0.03
																									84370	431	432.0	1.0	6.0	79.0	154.0	1186.0	1.3	<0.03
432.0	434.0	TS			10																		96	24	84371	432	433.0	1.0	4.0	8.0	16.0	38.0	<0.2	<0.03
434.0	436.0	TS			5																		98	0										
436.0	438.0	TS			4																		88	11										
438.0	440.0	TS	broken		1																		82.5	0	84372	438.0	439.0	1.0	3.0	9.0	24.0	85.0	0.2	<0.03
																									84373	blank			<1	2.0	4.0	1.0	<0.2	<0.03
440.0	442.0	TS	broken		4																		98	10	84374	440	441.0	1.0	1.0	16.0	30.0	152.0	0.3	<0.03
442.0	444.0	TS			5																		98.5	19	84375	442	443.0	1.0	4.0	29.0	24.0	45.0	0.4	<0.03
444.0	446.0	TS			12																		97	15	84376	444	45.0	1.0	5.0	14.0	36.0	67.0	0.2	<0.03
																									84377	445	446.0	1.0	3.0	6.0	24.0	43.0	<0.2	<0.03
446.0	448.0	TS																							84378	446	447.0	1.0	4.0	9.0	18.0	28.0	0.2	<0.03
EOH																																		

APPENDIX VII

Analytical and Assay Procedures

Eco Tech Laboratory Ltd.

Analytical Procedure Assessment Report

Eco Tech Laboratory Ltd. is registered for ISO 9001-2000 by QMI Quality registrars (CDN 52172-01) for the "provision of assay and geochemical analytical services". Eco Tech also Participates in The Canadian Certified Reference Materials Project (CCRMP) testing program annually.

SAMPLE PREPARATION

Samples are catalogued and logged into the sample-tracking database. During the logging in process, samples are checked for spillage and general sample integrity. It is verified that samples match the sample shipment requisition provided by the clients. The samples are transferred into a drying oven and dried.

Soils are prepared by sieving through an 80-mesh screen to obtain a minus 80-mesh fraction. Samples unable to produce adequate minus 80-mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.

Rock samples are crushed on a Terminator jaw crusher to minus 10 mesh ensuring that 70% passes through a Tyler 10 mesh screen.

Every 35 samples a re-split is taken using a riffle splitter to be tested to ensure the homogeneity of the crushed material.

A 250 gram sub sample of the crushed material is pulverized on a ring mill pulverizer ensuring that 95% passes through a 150 mesh screen. The sub sample is rolled, homogenized and bagged in a pre-numbered bag.

A barren gravel blank is prepared after each job in the sample prep to be analyzed for trace contamination along with the actual samples.

ASSAY GOLD ANALYSIS

A 30 g sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer/Thermo S-Series AA instrument. (Detection limit 0.03 g/t AA)

Appropriate standards and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet.

MULTI ELEMENT ICP ANALYSIS

A 0.5 gram sample is digested with 3ml of a 3:1:2 (HCl:HN03:H20) for 90 minutes in a water bath at 95°C. The sample is then diluted to 10ml with water. All solutions used during the digestion process contain beryllium, which acts as an internal standard for the ICP run. The sample is analyzed on a Jarrell Ash/Thermo IRIS Intrepid II XSP ICP unit. Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift occurred or instrumentation issues occurred during the run procedure. Repeat samples (every batch of 10 or less) and re-splits (every batch of 35 or less) are also run to ensure proper weighing and digestion occurred.

Results are collated by computer and are printed along with accompanying quality control data (repeats, re-splits, and standards).

APPENDIX VIII
ECO TECH ASSAY CERTIFICATES

CERTIFICATE OF ASSAY AK 2007-1330

Stealth Mineral Ltd.
301 - 260 W. Esplanade
N. Vancouver, BC
V7M 3G7

25-Sep-07

No. of samples received: 98
Sample Type: Core
Project: Swan
Submitted by: Stealth Minerals Ltd.

	ET #.	Tag #		Au (g/t)	Au (oz/t)
S-1	1	E83813	7.0-7.5m	0.03	0.001
	2	E83814		<0.03	<0.001
	3	E83815		<0.03	<0.001
	4	E83816		<0.03	<0.001
	5	E83817		<0.03	<0.001
	6	E83818		<0.03	<0.001
	7	E83819		<0.03	<0.001
	8	E83820		<0.03	<0.001
	9	E83821		<0.03	<0.001
	10	E83822		<0.03	<0.001
	11	E83823 Dup		<0.03	<0.001
	12	E83824		<0.03	<0.001
	13	E83825		0.06	0.002
	14	E83826		<0.03	<0.001
	15	E83827		<0.03	<0.001
	16	E83828		0.04	0.001
	17	E83829		0.04	0.001
	18	E83830		0.03	0.001
	19	E83831		0.03	<0.001
	20	E83832		<0.03	<0.001
	21	E83833		<0.03	<0.001
	22	E83834		<0.03	<0.001
	23	E83835		<0.03	<0.001
	24	E83836		<0.03	<0.001
	25	E83837		<0.03	<0.001
	26	E83838	59.0-59.5m	<0.03	<0.001

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7-1330 25-Sep-07

	ET #.	Tag #		Au (g/t)	Au (oz/t)
S-1	27	E83839	59.5-60.0 m	<0.03	<0.001
	28	E83840		<0.03	<0.001
	29	E83841		<0.03	<0.001
	30	E83842		<0.03	<0.001
	31	E83843 Dup		0.03	0.001
	32	E83844		<0.03	<0.001
	33	E83845		<0.03	<0.001
	34	E83846		<0.03	<0.001
	35	E83847		<0.03	<0.001
	36	E83848		<0.03	<0.001
	37	E83849		<0.03	<0.001
	38	E83850		<0.03	<0.001
	39	E83851		<0.03	<0.001
	40	E83852		<0.03	<0.001
	41	E83853		<0.03	<0.001
	42	E83854		<0.03	<0.001
	43	E83855		<0.03	<0.001
	44	E83856	79.5-80.2 m	0.20	0.006
	45	E83857		<0.03	<0.001
	46	E83858		0.05	0.001
	47	E83859		<0.03	<0.001
	48	E83860		<0.03	<0.001
	49	E83861		<0.03	<0.001
	50	E83862		<0.03	<0.001
	51	E83863 Dup		<0.03	<0.001
	52	E83864		<0.03	<0.001
	53	E83865		0.07	0.002
	54	E83866		0.07	<0.001
	55	E83867		<0.03	<0.001
	56	E83868		<0.03	<0.001
	57	E83869		0.03	0.001
	58	E83870		0.07	0.002
	59	E83871		<0.03	<0.001
	60	E83872		<0.03	<0.001
	61	E83872		<0.03	<0.001
	62	E83873		<0.03	<0.001
	63	E83874		0.05	0.001
	64	E83875	142-143 m	0.10	0.003
	65	E83876		0.08	0.002
	66	E83877		<0.03	<0.001
	67	E83878		<0.03	<0.001
	68	E83879		<0.03	<0.001
	69	E83880		<0.03	<0.001

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7-1330 25-Sep-07

	ET #.	Tag #	Au (g/t)	Au (oz/t)
S1	70	E83881	<0.03	<0.001
	71	E83882	<0.03	<0.001
	72	E83883 Dup	<0.03	<0.001
	73	E83884 140.0 – 141.0 m	<0.03	<0.001
S2	74	E83901	<0.03	<0.001
	75	E83902 Dup	<0.03	<0.001
	76	E83903	<0.03	<0.001
	77	E83904	<0.03	<0.001
	78	E83905	0.04	0.001
	79	E83906	<0.03	<0.001
	80	E83907	<0.03	<0.001
	81	E83908	<0.03	<0.001
	82	E83909	0.09	0.003
	83	E83910	<0.03	<0.001
	84	E83911	<0.03	<0.001
	85	E83912	<0.03	<0.001
	86	E83913	<0.03	<0.001
	87	E83914	<0.03	<0.001
	88	E83915	<0.03	<0.001
	89	E83916	<0.03	<0.001
	90	E83917	<0.03	<0.001
	91	E83918	<0.03	<0.001
	92	E83919	<0.03	<0.001
	93	E83920	<0.03	<0.001
	94	E83921	<0.03	<0.001
	95	E83922	<0.03	<0.001
	96	E83923 Dup	<0.03	<0.001
	97	E83924	<0.03	<0.001
	98	E83925	<0.03	<0.001

QC DATA:

Resplit:

1	E83813	0.03	0.001
36	E83848	<0.03	<0.001
71	E83882	<0.03	<0.001

Repeat:

1	E83813	0.03	0.001
10	E83822	<0.03	<0.001
19	E83831	0.04	0.001
36	E83848	<0.03	<0.001
45	E83857	<0.03	<0.001
54	E83866	<0.03	<0.001

ECO TECH LABORATORY LTD.
Julie Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7-1330 25-Sep-07

ET #.	Tag #	Au (g/t)	Au (oz/t)
63	E83874	0.07	0.002
64	E83875	0.10	0.003
65	E83876	0.09	0.003
71	E83882	<0.03	<0.001
80	E83907	<0.03	<0.001
89	E83916	<0.03	<0.001
98	E83925	<0.03	<0.001
Standard:			
SI25		1.80	0.052
SI25		1.79	0.052
SI25		1.83	0.053

JJ/nl
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

20-Sep-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 1330

Stealth Minerals Ltd.
301 - 260 W. Esplanade
N. Vancouver, BC
V7M 3G7

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 98
Sample Type: Core
Project: Swan
Submitted by: Stealth Minerals Ltd.

Values in ppm unless otherwise reported

	Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
5-1	1	E83813	<0.2	2.09	20	55	<5	1.96	<1	12	38	86	2.90	10	1.04	807	1	0.07	5	1110	8	<5	<20	117	0.19	<10	72	<10	9	69
	2	E83814	<0.2	1.60	15	100	5	1.37	<1	11	40	16	3.48	10	1.00	853	1	0.09	5	1120	6	<5	<20	117	0.18	<10	88	<10	9	61
	3	E83815	<0.2	1.54	15	155	5	0.99	<1	10	42	9	3.46	10	1.19	961	<1	0.06	5	1110	6	<5	<20	73	0.19	<10	85	<10	9	88
	4	E83816	<0.2	1.62	15	130	5	1.31	<1	11	44	18	3.51	10	1.19	1108	1	0.07	5	1090	8	<5	<20	87	0.19	<10	88	<10	10	65
	5	E83817	0.2	1.63	20	40	<5	2.46	<1	11	43	10	3.09	<10	1.15	969	1	0.03	5	1060	8	<5	<20	93	0.15	<10	56	<10	9	65
	6	E83818	<0.2	2.06	20	35	<5	2.99	<1	9	24	9	2.80	<10	1.01	837	<1	0.02	4	950	8	<5	<20	102	0.13	<10	58	<10	8	62
	7	E83819	<0.2	1.97	25	35	<5	2.09	<1	11	39	10	3.04	10	1.09	804	<1	0.03	5	1060	12	<5	<20	104	0.14	<10	56	<10	9	64
	8	E83820	<0.2	1.65	20	40	10	1.75	<1	9	34	32	2.90	<10	1.31	911	<1	0.03	5	1070	14	<5	<20	109	0.10	<10	53	<10	9	85
	9	E83821	<0.2	1.50	15	40	<5	2.18	<1	9	40	19	2.87	<10	1.18	925	<1	0.03	5	1040	8	<5	<20	88	0.05	<10	53	<10	9	81
	10	E83822	<0.2	1.38	15	50	<5	1.89	<1	7	63	21	2.69	10	0.87	713	2	0.03	5	980	6	<5	<20	63	0.04	<10	45	<10	10	59
	11	E83823 Dup	<0.2	1.19	15	35	5	1.84	<1	7	56	17	2.53	<10	0.84	692	1	0.02	5	970	6	<5	<20	63	0.04	<10	41	<10	9	57
	12	E83824	<0.2	1.57	20	55	10	2.00	<1	8	39	20	3.73	10	1.17	928	<1	0.03	6	1110	8	<5	<20	50	0.01	<10	66	<10	12	76
21-22	13	E83825	3.9	1.09	30	40	10	2.21	<1	8	41	9	3.06	10	0.68	566	32	<0.01	4	850	16	<5	<20	27	<0.01	<10	33	<10	8	44
	14	E83826	0.4	1.36	20	55	5	2.17	<1	7	31	26	3.58	20	0.96	975	1	0.02	7	1140	8	<5	<20	44	0.03	<10	55	<10	13	72
	15	E83827	0.8	1.83	20	295	<5	2.12	<1	9	26	10	2.72	10	0.93	971	7	0.02	6	1000	26	<5	<20	141	0.08	<10	49	<10	10	73
35-36	16	E83828	1.4	1.02	30	90	<5	2.87	<1	6	37	23	1.65	10	0.13	489	19	<0.01	5	1010	24	<5	<20	52	<0.01	<10	9	<10	9	36
	17	E83829	0.7	1.19	25	100	5	2.73	<1	6	35	27	2.48	20	0.34	912	2	<0.01	6	1100	12	<5	<20	52	<0.01	<10	20	<10	11	67
	18	E83830	0.4	1.31	15	50	5	4.09	<1	6	33	28	2.58	20	0.66	1187	1	0.01	7	1010	10	<5	<20	54	<0.01	<10	31	<10	12	74
	19	E83831	0.4	1.35	20	40	5	2.06	<1	9	28	10	3.17	10	0.84	1097	3	0.02	6	1110	16	<5	<20	45	<0.01	<10	36	<10	12	86
	20	E83832	0.6	1.62	15	80	<5	1.99	1	9	36	54	3.16	20	1.15	1434	1	0.03	7	1110	36	<5	<20	72	0.01	<10	46	<10	14	141
394-404	21	E83833	2.3	0.89	30	40	5	2.81	<1	10	40	14	3.05	10	0.40	684	46	0.01	5	940	32	<5	<20	33	<0.01	<10	20	<10	11	55
	22	E83834	<0.2	1.61	15	375	10	2.20	<1	9	33	9	3.29	10	1.14	1088	1	0.04	5	1110	12	<5	<20	289	0.12	<10	79	<10	12	73
	23	E83835	<0.2	1.63	20	45	5	1.79	<1	12	34	9	3.26	<10	1.20	1025	1	0.04	4	1080	12	<5	<20	97	0.18	<10	74	<10	9	81
	24	E83836	0.6	1.22	35	55	5	2.80	<1	7	32	15	2.84	10	0.76	971	4	0.02	6	1030	10	<5	<20	62	0.02	<10	50	<10	11	62
	25	E83837	<0.2	1.63	15	40	<5	1.87	<1	10	40	20	2.96	10	1.17	910	1	0.03	5	1060	8	<5	<20	83	0.14	<10	58	<10	9	84

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 1330** **Stealth Minerals Ltd.**

	Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
S-1	26	E83838	0.3	1.69	30	30	<5	3.05	<1	9	52	9	2.69	<10	0.65	753	6	0.02	5	920	12	<5	<20	92	0.11	<10	35	<10	8	59
	27	E83839	<0.2	1.95	20	35	<5	2.45	<1	11	59	14	2.97	<10	1.22	898	2	0.03	5	1090	10	<5	<20	122	0.17	<10	64	<10	9	84
	28	E83840	<0.2	1.50	15	35	5	2.50	<1	9	50	7	3.27	10	1.30	1088	1	0.03	6	1230	10	<5	<20	137	0.07	<10	63	<10	13	79
	29	E83841	<0.2	1.39	15	80	5	2.36	<1	9	59	9	3.25	10	0.86	844	4	0.03	6	1050	10	<5	<20	223	0.08	<10	65	<10	12	58
	30	E83842	0.4	1.19	20	55	5	2.37	<1	9	70	15	3.14	10	0.61	829	2	0.03	6	1060	10	<5	<20	92	0.10	<10	59	<10	12	52
	31	E83843 Dup	0.3	1.25	20	60	<5	2.43	<1	8	89	15	3.19	10	0.61	817	3	0.03	7	1070	10	<5	<20	93	0.10	<10	62	<10	12	55
	32	E83844	0.3	1.22	20	40	5	3.43	<1	9	53	12	2.99	10	0.60	924	6	0.02	5	1050	12	<5	<20	80	0.08	<10	49	<10	13	54
	33	E83845	<0.2	1.91	20	40	<5	2.00	<1	10	63	9	2.70	<10	1.10	838	2	0.03	5	1040	10	<5	<20	198	0.13	<10	49	<10	9	70
	34	E83846	0.7	1.44	20	45	<5	1.94	<1	7	52	10	2.99	20	1.02	929	3	0.02	7	1030	12	<5	<20	58	0.02	<10	40	<10	12	86
	35	E83847	0.7	1.23	20	45	<5	1.97	<1	10	38	6	3.08	10	0.99	861	2	0.02	5	980	10	<5	<20	66	0.05	<10	44	<10	10	76
	36	E83848	0.3	1.73	20	50	5	2.38	<1	10	40	10	3.02	10	1.00	855	1	0.03	5	1000	22	<5	<20	117	0.12	<10	59	<10	10	73
	37	E83849	0.3	1.45	20	50	<5	2.03	<1	10	62	7	3.05	10	0.97	846	2	0.03	6	990	10	<5	<20	85	0.07	<10	52	<10	11	57
	38	E83850	0.4	1.26	15	45	5	1.83	<1	8	41	14	3.01	10	0.91	936	1	0.02	5	1000	8	<5	<20	68	0.05	<10	54	<10	11	57
	39	E83851	0.5	1.08	10	55	5	1.97	<1	7	75	12	2.66	10	0.55	742	3	0.02	7	1010	10	<5	<20	61	<0.01	<10	43	<10	12	50
	40	E83852	0.4	1.00	10	95	<5	2.29	<1	7	52	12	2.58	10	0.48	756	1	0.01	7	1050	10	<5	<20	54	<0.01	<10	37	<10	11	55
	41	E83853	<0.2	0.15	<5	<5	<5	>10	<1	<1	3	6	0.37	<10	1.83	54	<1	0.01	<1	110	<2	<5	<20	5492	<0.01	<10	6	<10	<1	5
78-79	42	E83854	3.5	0.70	25	70	<5	1.45	<1	8	112	44	2.02	10	0.10	322	16	<0.01	6	770	28	<5	<20	45	<0.01	<10	10	<10	7	35
	43	E83855	1.4	1.52	20	95	<5	2.40	<1	7	57	48	3.63	20	0.42	803	14	<0.01	6	1090	22	<5	<20	71	<0.01	<10	33	<10	10	96
79.5-80.2	44	E83856	10.5	0.89	40	95	<5	3.45	<1	6	66	63	1.92	10	0.14	580	21	<0.01	6	750	40	<5	<20	62	<0.01	<10	13	<10	9	88
	45	E83857	0.7	1.21	15	55	<5	2.60	<1	8	59	13	2.95	20	0.68	967	1	0.01	7	1050	8	<5	<20	60	<0.01	<10	41	<10	12	68
	46	E83858	1.7	0.87	15	96	<5	1.93	<1	7	66	20	2.37	10	0.37	604	9	<0.01	6	930	10	<5	<20	55	<0.01	<10	25	<10	10	45
	47	E83859	0.7	0.89	10	100	5	2.63	<1	7	37	10	2.43	10	0.23	680	<1	<0.01	6	1060	8	<5	<20	69	<0.01	<10	29	<10	12	48
	48	E83860	0.3	1.43	20	145	5	2.73	<1	8	69	9	3.11	10	0.95	1063	3	0.02	6	970	10	<5	<20	68	<0.01	<10	34	<10	13	72
	49	E83861	0.5	1.30	15	75	10	2.87	<1	9	33	12	3.14	10	1.04	990	<1	0.02	6	1020	10	<5	<20	60	<0.01	<10	42	<10	14	59
	50	E83862	1.2	0.80	15	80	5	1.88	<1	8	48	9	2.51	10	0.32	525	12	0.01	5	990	16	<5	<20	50	0.01	<10	16	<10	10	42
	51	E83863 Dup	1.4	0.97	10	55	5	1.90	<1	9	52	8	2.60	10	0.29	509	11	0.01	6	1010	16	<5	<20	50	0.01	<10	16	<10	10	44
	52	E83864	0.8	1.29	15	50	<5	2.13	<1	8	71	14	2.76	10	0.71	776	3	0.02	6	940	10	<5	<20	66	0.02	<10	40	<10	11	51
	53	E83865	0.6	1.17	15	55	5	2.64	<1	7	53	13	2.86	10	0.59	863	3	0.02	6	990	14	<5	<20	93	0.02	<10	48	<10	12	52
	54	E83866	1.6	1.81	20	50	5	2.29	1	9	86	15	2.98	10	0.90	992	5	0.03	6	990	22	<5	<20	93	0.09	<10	49	<10	10	77
	55	E83867	0.2	1.50	15	45	5	1.85	<1	10	57	18	2.92	10	0.75	997	1	0.02	5	960	22	<5	<20	69	0.11	<10	46	<10	10	70
	56	E83868	0.5	1.27	15	225	<5	1.68	<1	8	87	8	2.91	10	0.81	867	3	0.03	7	990	12	<5	<20	58	<0.01	<10	39	<10	12	66
	57	E83869	2.3	1.14	20	75	5	2.22	2	8	54	49	2.92	10	0.78	1319	5	0.02	6	930	132	<5	<20	62	<0.01	<10	31	<10	11	308
30-131	58	E83870	11.8	0.89	25	55	<5	1.96	8	7	127	142	2.79	10	0.53	1053	15	0.02	7	730	386	<5	<20	48	<0.01	<10	21	<10	9	939
	59	E83871	0.8	1.51	15	70	<5	2.22	3	8	67	26	2.91	10	0.92	1425	8	0.03	5	910	112	<5	<20	101	0.04	<10	38	<10	11	381
	60	E83872	0.3	1.74	15	65	<5	2.63	2	8	132	62	2.62	<10	0.87	1495	5	0.04	6	830	90	<5	<20	126	0.06	<10	40	<10	8	258
	61	E83872	0.3	1.48	15	50	5	1.82	2	8	54	36	2.78	10	1.04	1622	1	0.02	5	920	92	<5	<20	93	0.04	<10	39	<10	8	232
	62	E83873	<0.2	0.03	<5	<5	<5	>10	<1	<1	2	1	0.03	<10	1.49	24	<1	<0.01	<1	30	<2	<5	<20	5606	<0.01	<10	<1	<10	<1	1
	63	E83874	2.8	0.70	30	35	5	1.77	<1	10	64	28	2.97	10	0.13	533	13	<0.01	6	930	22	<5	<20	89	<0.01	<10	7	<10	12	55
	64	E83875	1.8	0.34	50	35	10	1.05	<1	7	46	21	3.01	10	0.05	222	10	<0.01	5	830	8	<5	<20	47	<0.01	<10	4	<10	10	26
	65	E83876	0.5	1.26	40	45	10	1.57	<1	9	78	47	3.48	<10	0.55	552	9	0.02	5	1010	12	<5	<20	92	0.02	<10	22	<10	9	60

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 1330** **Stealth Minerals Ltd.**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	E83877	0.3	1.76	25	110	5	1.84	<1	8	63	10	2.79	10	1.06	1198	1	0.03	5	990	12	<5	<20	118	0.08	<10	42	<10	9	88
67	E83878	2.1	1.21	30	45	10	1.27	<1	8	74	15	3.38	10	1.04	1031	4	0.02	7	930	12	<5	<20	56	<0.01	<10	37	<10	13	71
68	E83879	0.5	0.96	40	40	5	1.48	<1	8	64	9	3.23	10	0.71	825	4	0.01	5	980	12	<5	<20	54	<0.01	<10	24	<10	11	61
69	E83880	1.3	0.77	35	40	<5	1.71	1	7	100	12	2.74	10	0.39	705	12	0.01	6	980	26	<5	<20	55	<0.01	<10	18	<10	11	82
70	E83881	0.5	1.19	20	50	10	1.57	1	7	78	14	3.04	20	0.82	1011	5	0.02	7	990	34	<5	<20	59	<0.01	<10	25	<10	11	101
71	E83882	1.8	0.53	20	35	<5	1.19	<1	6	88	18	1.71	10	0.06	197	6	<0.01	6	860	24	<5	<20	47	<0.01	<10	4	<10	9	34
72	E83883 Dup	1.7	0.53	20	40	<5	1.16	<1	7	93	15	1.75	10	0.06	195	8	0.01	8	880	22	<5	<20	48	<0.01	<10	5	<10	10	32
73	E83884	1.3	1.04	15	35	<5	1.65	<1	8	64	17	2.76	20	0.49	743	2	0.01	7	970	20	<5	<20	66	<0.01	<10	18	<10	11	85
74	E83901	0.2	1.58	15	35	<5	3.33	<1	9	48	10	2.98	<10	0.78	1039	2	0.03	4	900	6	<5	<20	123	0.13	<10	59	<10	9	52
75	E83902 Dup	0.3	1.62	15	40	<5	3.39	<1	10	47	12	2.99	10	0.83	1090	1	0.03	4	950	6	<5	<20	127	0.14	<10	65	<10	10	53
76	E83903	<0.2	1.26	10	75	<5	1.29	<1	9	68	13	3.20	10	0.88	773	2	0.09	5	970	6	<5	<20	90	0.16	<10	82	<10	8	51
77	E83904	<0.2	1.40	15	70	5	1.59	<1	11	80	8	3.77	10	1.08	934	2	0.08	5	1020	8	<5	<20	94	0.20	<10	97	<10	11	62
78	E83905	0.3	1.55	20	50	<5	2.17	<1	11	78	10	3.25	10	1.07	914	3	0.04	6	1000	8	<5	<20	121	0.14	<10	64	<10	10	63
79	E83906	0.5	1.55	15	45	5	2.36	<1	10	59	9	3.19	10	0.85	1023	1	0.03	5	1020	8	<5	<20	85	0.12	<10	53	<10	11	74
80	E83907	1.1	1.36	20	45	<5	1.68	<1	11	75	5	3.16	<10	1.00	858	4	0.03	5	970	12	<5	<20	101	0.14	<10	56	<10	9	54
81	E83908	0.3	1.87	20	40	<5	3.00	<1	10	42	12	2.60	<10	0.78	691	1	0.04	4	810	26	<5	<20	138	0.14	<10	60	<10	8	47
82	E83909	0.3	1.75	15	40	<5	2.41	<1	10	45	11	2.64	<10	0.82	709	2	0.04	4	820	22	<5	<20	137	0.14	<10	62	<10	8	49
83	E83910	<0.2	1.55	15	50	5	1.96	<1	10	59	8	3.06	<10	1.10	967	2	0.03	4	920	8	<5	<20	98	0.17	<10	70	<10	9	67
84	E83911	<0.2	1.50	15	75	5	2.21	<1	9	74	14	2.90	10	1.05	971	2	0.04	6	930	12	<5	<20	168	0.09	<10	57	<10	11	74
85	E83912	1.5	1.54	20	70	10	2.03	<1	8	58	8	3.07	10	1.14	1118	1	0.03	6	930	10	<5	<20	88	<0.01	<10	36	<10	12	90
86	E83913	<0.2	0.03	<5	<5	<5	>10	<1	<1	2	1	0.03	<10	1.62	32	<1	0.01	<1	40	<2	<5	<20	6369	<0.01	<10	<1	<10	<1	<1
87	E83914	1.1	1.63	25	55	10	3.62	<1	8	56	7	2.98	10	0.72	926	6	0.02	6	910	12	<5	<20	110	<0.01	<10	29	<10	11	73
88	E83915	<0.2	1.48	15	45	5	3.36	<1	8	36	8	2.85	10	0.95	996	<1	0.02	5	940	8	<5	<20	119	0.03	<10	51	<10	11	63
89	E83916	<0.2	1.43	15	45	<5	2.54	<1	8	49	11	2.94	10	1.17	1070	2	0.02	6	1000	12	<5	<20	83	<0.01	<10	47	<10	13	89
90	E83917	0.3	1.41	15	65	10	2.10	2	8	59	8	3.18	10	1.15	1147	1	0.03	6	980	20	<5	<20	88	0.01	<10	54	<10	12	119
91	E83918	0.6	1.14	15	55	5	2.57	<1	9	102	20	3.44	10	0.58	982	5	0.02	7	920	14	<5	<20	76	<0.01	<10	29	<10	12	64
92	E83919	0.4	1.16	15	65	5	3.13	<1	7	58	10	3.00	10	0.71	1091	2	0.02	6	930	8	<5	<20	58	<0.01	<10	43	<10	11	71
93	E83920	<0.2	1.40	15	65	<5	1.53	<1	10	81	10	3.28	10	1.00	856	3	0.07	6	1060	12	<5	<20	103	0.17	<10	81	<10	10	59
94	E83921	0.4	1.32	15	55	10	1.51	1	10	77	11	3.16	<10	1.03	881	6	0.04	5	970	22	<5	<20	80	0.10	<10	61	<10	10	74
95	E83922	0.4	1.39	20	45	10	1.62	<1	10	78	15	2.91	<10	1.05	860	3	0.03	5	960	16	<5	<20	88	0.10	<10	44	<10	9	79
96	E83923 Dup	0.4	1.46	20	55	5	1.71	<1	10	82	13	2.82	<10	1.05	883	2	0.03	5	940	16	<5	<20	95	0.11	<10	45	<10	10	81
97	E83924	0.2	1.44	15	55	<5	1.73	<1	10	70	11	2.84	<10	1.07	885	3	0.04	5	930	12	<5	<20	90	0.16	<10	62	<10	9	70
98	E83925	<0.2	1.78	20	40	<5	2.27	<1	10	47	10	3.07	10	0.90	743	<1	0.04	4	920	10	<5	<20	121	0.15	<10	63	<10	9	49

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Repeat:																													
1	E83813	<0.2	2.10	20	50	<5	1.97	<1	12	39	86	2.94	10	1.05	821	<1	0.06	5	1130	8	<5	<20	114	0.18	<10	71	<10	8	71
10	E83822	<0.2	1.33	15	50	<5	1.82	<1	7	63	21	2.69	<10	0.87	721	2	0.03	5	990	6	<5	<20	61	0.04	<10	45	<10	10	58
19	E83831	0.4	1.42	20	45	5	2.20	<1	10	30	11	3.36	20	0.90	1178	3	0.02	6	1200	16	<5	<20	49	<0.01	<10	38	<10	13	92
36	E83848	0.3	1.68	20	50	5	2.46	<1	10	38	9	2.94	10	0.98	822	1	0.03	4	960	24	<5	<20	113	0.11	<10	57	<10	9	61
45	E83857	0.7	1.24	15	55	<5	2.69	<1	8	56	13	2.92	20	0.68	964	1	0.01	7	1030	8	<5	<20	60	<0.01	<10	40	<10	12	68
54	E83866	2.4	1.87	15	50	5	2.25	<1	9	82	16	3.00	10	0.92	953	5	0.04	6	950	20	<5	<20	96	0.08	<10	49	<10	10	76
71	E83882	1.8	0.45	25	40	<5	1.23	<1	6	62	18	1.69	10	0.06	189	5	<0.01	6	840	34	<5	<20	46	<0.01	<10	4	<10	9	30
80	E83907	1.3	1.43	20	45	5	1.89	<1	11	76	5	3.11	<10	0.99	864	4	0.03	5	980	12	<5	<20	101	0.14	<10	56	<10	9	54
89	E83916	<0.2	1.50	15	45	5	2.62	<1	8	50	11	3.02	10	1.20	1097	2	0.02	6	1020	10	<5	<20	85	<0.01	<10	49	<10	13	91
Resplit:																													
1	E83813	<0.2	2.03	20	55	<5	2.04	<1	12	40	90	2.96	10	1.02	820	<1	0.06	5	1110	8	<5	<20	118	0.18	<10	72	<10	8	69
36	E83848	0.3	1.74	20	50	<5	2.22	<1	9	36	10	2.80	<10	0.89	798	1	0.03	4	890	22	<5	<20	110	0.10	<10	53	<10	9	71
71	E83882	1.9	0.47	25	40	<5	1.31	<1	7	66	18	1.74	10	0.06	202	5	<0.01	6	880	32	<5	<20	49	<0.01	<10	4	<10	10	31
Standard:																													
Pb113		11.2	0.28	45	65	<5	1.60	37	2	<1	2247	1.04	<10	0.11	1442	64	0.02	1	100	5574	<5	<20	88	0.01	<10	5	<10	1	7014
Pb113		11.4	0.28	40	65	<5	1.62	40	2	<1	2322	1.07	<10	0.11	1513	66	0.02	1	90	5572	<5	<20	83	0.01	<10	6	<10	1	6973
Pb113		11.8	0.27	45	65	<5	1.61	41	2	<1	2190	1.07	<10	0.10	1519	64	0.02	<1	100	5544	<5	<20	86	0.01	<10	5	<10	1	6904

JJ/sa/nl
df/n1330
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2007-1351

Stealth Mineral Ltd.
301 - 260 W. Esplanade
N. Vancouver, BC
V7M 3G7

27-Sep-07

No. of samples received: 77
Sample Type: Core
Project: Swan
Submitted by: K.M. Dawson

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	E83885	<0.03	<0.001
2	E83886	<0.03	<0.001
3	E83887	<0.03	<0.001
4	E83888	<0.03	<0.001
5	E83889	<0.03	<0.001
6	E83890	<0.03	<0.001
7	E83891	0.03	0.001
8	E83892	0.04	0.001
9	E83893	<0.03	<0.001
10	E83894	<0.03	<0.001
11	E83895	<0.03	<0.001
12	E83896	0.03	0.001
13	E83898	0.03	0.001
14	E83899	<0.03	<0.001
15	E83900	<0.03	<0.001
16	E83926	<0.03	<0.001
17	E83927	<0.03	<0.001
18	E83928	<0.03	<0.001
19	E83929	<0.03	<0.001
20	E83930	<0.03	<0.001
21	E83931	0.14	0.004
22	E83932	<0.03	<0.001
23	E83933	<0.03	<0.001

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7-1330 25-Sep-07

ET #.	Tag #	Au (g/t)	Au (oz/t)
70	E83881	<0.03	<0.001
71	E83882	<0.03	<0.001
72	E83883 Dup	<0.03	<0.001
73	E83884	<0.03	<0.001
74	E83901	<0.03	<0.001
75	E83902 Dup	<0.03	<0.001
76	E83903	<0.03	<0.001
77	E83904	<0.03	<0.001
78	E83905	0.04	0.001
79	E83906	<0.03	<0.001
80	E83907	<0.03	<0.001
81	E83908	<0.03	<0.001
82	E83909	0.09	0.003
83	E83910	<0.03	<0.001
84	E83911	<0.03	<0.001
85	E83912	<0.03	<0.001
86	E83913	<0.03	<0.001
87	E83914	<0.03	<0.001
88	E83915	<0.03	<0.001
89	E83916	<0.03	<0.001
90	E83917	<0.03	<0.001
91	E83918	<0.03	<0.001
92	E83919	<0.03	<0.001
93	E83920	<0.03	<0.001
94	E83921	<0.03	<0.001
95	E83922	<0.03	<0.001
96	E83923 Dup	<0.03	<0.001
97	E83924	<0.03	<0.001
98	E83925	<0.03	<0.001

QC DATA:

Resplit:

1	E83813	0.03	0.001
36	E83848	<0.03	<0.001
71	E83882	<0.03	<0.001

Repeat:

1	E83813	0.03	0.001
10	E83822	<0.03	<0.001
19	E83831	0.04	0.001
36	E83848	<0.03	<0.001
45	E83857	<0.03	<0.001
54	E83866	<0.03	<0.001

ECO TECH LABORATORY LTD.
Julia Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7 - 1351

ET #.	Tag #	Au (g/t)	Au (oz/t)
S-2 24	E83934	<0.03	<0.001
25	E83935	<0.03	<0.001
26	E83936	<0.03	<0.001
S3 27	E83937	0.03	0.001
28	E83938	0.04	0.001
29	E83939	<0.03	<0.001
30	E83940	0.11	0.003
31	E83941	<0.03	<0.001
32	E83942	<0.03	<0.001
33	E83943 Dup	<0.03	<0.001
34	E83944	<0.03	<0.001
35	E83945	0.03	0.001
36	E83946	0.03	0.001
37	E83947	0.03	0.001
38	E83948	<0.03	<0.001
39	E83949	<0.03	<0.001
40	E83950	<0.03	<0.001
41	E83951	<0.03	<0.001
42	E83952	<0.03	<0.001
43	E83953	<0.03	<0.001
44	E83954	<0.03	<0.001
45	E83955	<0.03	<0.001
46	E83956	<0.03	<0.001
47	E83957	0.03	0.001
48	E83958	<0.03	<0.001
49	E83959	<0.03	<0.001
50	E83960	<0.03	<0.001
51	E83961	<0.03	<0.001
52	E83962	<0.03	<0.001
53	E83963 Dup	<0.03	<0.001
54	E83964	0.03	0.001
55	E83965	<0.03	<0.001
56	E83966	<0.03	<0.001
57	E83967	0.03	0.001
58	E83968	<0.03	<0.001
59	E83969	<0.03	<0.001
60	E83970	<0.03	<0.001
61	E83971	<0.03	<0.001
62	E83972	<0.03	<0.001
63	E83973	<0.03	<0.001
64	E83974	<0.03	<0.001
65	E83975	<0.03	<0.001
66	E83976	<0.03	<0.001
67	E83977	<0.03	<0.001

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7-1330 25-Sep-07

ET #.	Tag #	Au (g/t)	Au (oz/t)
63	E83874	0.07	0.002
64	E83875	0.10	0.003
65	E83876	0.09	0.003
71	E83882	<0.03	<0.001
80	E83907	<0.03	<0.001
89	E83916	<0.03	<0.001
98	E83925	<0.03	<0.001
Standard:			
SI25		1.80	0.052
SI25		1.79	0.052
SI25		1.83	0.053

JJ/nl
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

26-Sep-07

:O TECH LABORATORY LTD.
!041 Dallas Drive
\MLOOPS, B.C.
!C 6T4

ione: 250-573-5700
ix : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 1351

Stealth Mineral
301 - 260 W. Es
N. Vancouver,
V7M 3G7

No. of samples re
Sample Type: Co
Project: Swan
Submitted by: K.

alues in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %
1 5-2	E83885 34.0-35.0	0.5	1.38	15	70	<5	3.07	<1	8	44	5	3.61	10	0.85	1198	<1	0.03	7	1090	16	<5	<20	44	<0.01
2	E83886	0.6	1.35	25	60	<5	3.39	2	9	42	28	3.15	20	0.81	1143	2	0.02	7	1100	44	<5	<20	51	<0.01
3	E83887	2.6	0.88	25	45	<5	1.76	<1	6	71	13	1.89	<10	0.14	283	46	<0.01	5	1240	28	<5	<20	48	<0.01
4	E83888	0.8	1.51	30	65	<5	2.02	<1	8	49	10	3.33	20	0.91	1130	3	0.01	7	1080	24	<5	<20	42	<0.01
5	E83889	1.1	1.39	40	40	<5	1.80	<1	7	41	13	3.30	10	0.65	951	<1	0.01	6	1110	20	<5	<20	42	<0.01
6	E83890	4.4	0.40	35	40	<5	4.35	<1	8	68	9	2.17	<10	0.11	731	36	<0.01	5	650	42	<5	<20	70	<0.01
7	E83891	12.5	0.46	35	45	<5	7.97	2	7	76	21	2.05	10	0.23	1444	98	<0.01	8	500	60	<5	<20	130	<0.01
8	E83892	7.3	0.78	35	85	<5	3.52	<1	6	95	22	2.19	10	0.26	821	63	<0.01	7	740	50	<5	<20	60	<0.01
9	E83893	<0.2	0.03	35	<5	<5	>10	<1	2	5	<1	0.03	<10	1.17	23	<1	<0.01	<1	40	12	10	<20	7191	<0.01
10	E83894	2.2	1.47	25	95	5	3.54	<1	10	48	19	3.28	20	0.90	1390	10	0.01	9	1080	26	<5	<20	61	<0.01
11	E83895	7.8	0.89	30	45	<5	4.24	1	9	73	12	2.81	<10	0.47	850	85	0.01	5	790	82	5	<20	59	<0.01
12	E83896	0.3	1.69	20	35	<5	1.07	<1	14	64	13	2.40	<10	1.17	939	<1	0.04	6	1050	10	<5	<20	122	0.18
13	E83897	0.4	1.53	15	40	<5	1.34	<1	12	56	29	3.09	<10	1.34	1052	2	0.03	5	1130	12	<5	<20	73	0.16
14	E83898	<0.2	1.71	15	100	<5	1.37	<1	8	56	18	3.30	10	0.98	874	<1	0.06	5	1050	18	<5	<20	114	0.16
15	E83899 38.0-38.5	<0.2	1.94	20	90	<5	1.30	<1	12	47	6	3.83	<10	1.19	874	3	0.05	4	1140	14	<5	<20	127	0.15
16	E83900 < next page	0.6	0.95	10	40	<5	3.69	<1	8	41	10	3.13	20	0.45	1010	1	0.01	7	1100	16	<5	<20	55	<0.01
17	E83926	1.1	1.19	40	45	<5	0.95	<1	6	77	18	2.90	10	0.49	971	4	0.01	6	940	14	<5	<20	89	0.02
18	E83927	1.3	1.98	50	30	<5	1.87	<1	6	56	22	2.17	<10	0.25	645	3	0.03	5	870	16	<5	<20	156	0.06
19	E83928	<0.2	4.48	45	25	20	5.13	<1	9	36	13	2.40	<10	0.64	693	2	0.12	5	1210	120	<5	<20	330	0.12
20	E83929	0.2	1.17	15	55	<5	1.68	<1	9	78	9	2.86	10	0.73	928	<1	0.05	6	920	14	<5	<20	124	0.08
21	E83930	15.7	1.14	20	45	<5	1.94	<1	8	68	20	3.14	<10	0.55	1012	4	0.03	4	890	26	<5	<20	115	0.07
22	E83931	0.7	0.86	20	30	<5	0.76	133	9	70	7	2.87	10	0.50	517	<1	0.02	9	840	14	<5	<20	45	<0.01
23	E83932	<0.2	1.32	15	40	<5	1.67	1	8	60	7	2.96	10	0.99	1067	2	0.03	6	960	14	<5	<20	79	<0.01
24	E83933	<0.2	0.02	45	<5	<5	>10	<1	<1	2	<1	0.04	<10	1.29	32	<1	<0.01	<1	40	6	<5	<20	7148	<0.01
25	E83934 139.0-140.0	0.6	0.94	15	35	<5	1.56	<1	10	73	8	2.42	<10	0.24	771	4	0.02	5	880	18	<5	<20	79	0.03

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	E83877	0.3	1.76	25	110	5	1.84	<1	8	63	10	2.79	10	1.06	1198	1	0.03	5	990	12	<5	<20	118	0.08	<10	42	<10	9	88
67	E83878	2.1	1.21	30	45	10	1.27	<1	8	74	15	3.38	10	1.04	1031	4	0.02	7	930	12	<5	<20	56	<0.01	<10	37	<10	13	71
68	E83879	0.5	0.96	40	40	5	1.48	<1	8	64	9	3.23	10	0.71	825	4	0.01	5	980	12	<5	<20	54	<0.01	<10	24	<10	11	61
69	E83880	1.3	0.77	35	40	<5	1.71	1	7	100	12	2.74	10	0.39	705	12	0.01	6	980	26	<5	<20	55	<0.01	<10	18	<10	11	82
70	E83881	0.5	1.19	20	50	10	1.57	1	7	78	14	3.04	20	0.82	1011	5	0.02	7	990	34	<5	<20	59	<0.01	<10	25	<10	11	101
71	E83882	1.8	0.53	20	35	<5	1.19	<1	6	88	18	1.71	10	0.06	197	6	<0.01	6	860	24	<5	<20	47	<0.01	<10	4	<10	9	34
72	E83883 Dup	1.7	0.53	20	40	<5	1.16	<1	7	93	15	1.75	10	0.06	195	8	0.01	8	880	22	<5	<20	48	<0.01	<10	5	<10	10	32
73	E83884	1.3	1.04	15	35	<5	1.65	<1	8	64	17	2.76	20	0.49	743	2	0.01	7	970	20	<5	<20	66	<0.01	<10	18	<10	11	85
[52] 74	E83901 [67.7-68.5]	<0.2	1.58	15	35	<5	3.33	<1	9	48	10	2.98	<10	0.78	1039	2	0.03	4	900	6	<5	<20	123	0.13	<10	59	<10	9	52
75	E83902 Dup	0.3	1.62	15	40	<5	3.39	<1	10	47	12	2.99	10	0.83	1090	1	0.03	4	950	6	<5	<20	127	0.14	<10	65	<10	10	53
76	E83903	<0.2	1.26	10	75	<5	1.29	<1	9	68	13	3.20	10	0.88	773	2	0.09	5	970	6	<5	<20	90	0.16	<10	82	<10	8	51
77	E83904	<0.2	1.40	15	70	5	1.59	<1	11	80	8	3.77	10	1.08	934	2	0.08	5	1020	8	<5	<20	94	0.20	<10	97	<10	11	62
78	E83905	0.3	1.55	20	50	<5	2.17	<1	11	78	10	3.25	10	1.07	914	3	0.04	6	1000	8	<5	<20	121	0.14	<10	64	<10	10	63
79	E83906	0.5	1.55	15	45	5	2.36	<1	10	59	9	3.19	10	0.85	1023	1	0.03	5	1020	8	<5	<20	85	0.12	<10	53	<10	11	74
80	E83907	1.1	1.36	20	45	<5	1.68	<1	11	75	5	3.16	<10	1.00	858	4	0.03	5	970	12	<5	<20	101	0.14	<10	56	<10	9	54
81	E83908	0.3	1.87	20	40	<5	3.00	<1	10	42	12	2.60	<10	0.78	691	1	0.04	4	810	26	<5	<20	138	0.14	<10	60	<10	8	47
82	E83909	0.3	1.75	15	40	<5	2.41	<1	10	45	11	2.64	<10	0.82	709	2	0.04	4	820	22	<5	<20	137	0.14	<10	62	<10	8	49
83	E83910 [89.8-]	<0.2	1.55	15	50	5	1.96	<1	10	59	8	3.06	<10	1.10	967	2	0.03	4	920	8	<5	<20	98	0.17	<10	70	<10	9	67
84	E83911 [91.0]	<0.2	1.50	15	75	5	2.21	<1	9	74	14	2.90	10	1.05	971	2	0.04	6	930	12	<5	<20	168	0.09	<10	57	<10	11	74
85	E83912	1.5	1.54	20	70	10	2.03	<1	8	58	8	3.07	10	1.14	1118	1	0.03	6	930	10	<5	<20	86	<0.01	<10	36	<10	12	90
86	E83913	<0.2	0.03	<5	<5	<5	>10	<1	<1	2	1	0.03	<10	1.62	32	<1	0.01	<1	40	<2	<5	<20	6369	<0.01	<10	<1	<10	<1	<1
87	E83914	1.1	1.63	25	55	10	3.62	<1	8	56	7	2.98	10	0.72	926	6	0.02	6	910	12	<5	<20	110	<0.01	<10	29	<10	11	73
88	E83915	<0.2	1.48	15	45	5	3.36	<1	8	36	8	2.85	10	0.95	996	<1	0.02	5	940	8	<5	<20	119	0.03	<10	51	<10	11	63
89	E83916	<0.2	1.43	15	45	<5	2.54	<1	8	49	11	2.94	10	1.17	1070	2	0.02	6	1000	12	<5	<20	83	<0.01	<10	47	<10	13	89
90	E83917	0.3	1.41	15	65	10	2.10	2	8	59	8	3.18	10	1.15	1147	1	0.03	6	980	20	<5	<20	88	0.01	<10	54	<10	12	119
91	E83918	0.6	1.14	15	55	5	2.57	<1	9	102	20	3.44	10	0.58	982	5	0.02	7	920	14	<5	<20	76	<0.01	<10	29	<10	12	64
92	E83919	0.4	1.16	15	65	5	3.13	<1	7	58	10	3.00	10	0.71	1091	2	0.02	6	930	8	<5	<20	58	<0.01	<10	43	<10	11	71
93	E83920	<0.2	1.40	15	65	<5	1.53	<1	10	81	10	3.28	10	1.00	856	3	0.07	6	1060	12	<5	<20	103	0.17	<10	81	<10	10	59
94	E83921	0.4	1.32	15	55	10	1.51	1	10	77	11	3.16	<10	1.03	881	6	0.04	5	970	22	<5	<20	80	0.10	<10	61	<10	10	74
95	E83922 [88.0-88.4]	0.4	1.39	20	45	10	1.62	<1	10	78	15	2.91	<10	1.05	860	3	0.03	5	960	16	<5	<20	88	0.10	<10	44	<10	9	79
96	E83923 Dup	0.4	1.46	20	55	5	1.71	<1	10	82	13	2.82	<10	1.05	883	2	0.03	5	940	16	<5	<20	95	0.11	<10	45	<10	10	81
97	E83924	0.2	1.44	15	55	<5	1.73	<1	10	70	11	2.84	<10	1.07	885	3	0.04	5	930	12	<5	<20	90	0.16	<10	62	<10	9	70
98	E83925	<0.2	1.78	20	40	<5	2.27	<1	10	47	10	3.07	10	0.90	743	<1	0.04	4	920	10	<5	<20	121	0.15	<10	63	<10	9	49

O TECH LABORATORY LTD. | ICP CERTIFICATE OF ANALYSIS AK 2007-1351 | Stealth Mineral

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %
26	E83935 S-2	0.2	1.15	10	45	<5	1.35	<1	7	72	10	2.93	10	0.73	1044	3	0.03	7	950	12	<5	<20	90	0.01
27	E83936 S-3	0.5	5.12	50	45	<5	3.33	<1	12	39	108	3.82	<10	0.97	1021	<1	0.05	2	1010	40	<5	<20	283	0.13
28	E83937	<0.2	3.51	30	60	<5	2.76	<1	13	38	69	3.59	<10	1.06	923	5	0.05	3	870	22	<5	<20	223	0.12
29	E83938	<0.2	4.36	40	75	<5	3.67	<1	14	34	63	3.61	<10	1.15	987	<1	0.07	3	810	24	<5	<20	268	0.10
30	E83939	0.2	2.47	25	55	<5	1.83	<1	10	50	50	3.47	<10	0.67	794	4	0.04	2	940	24	<5	<20	257	0.10
31	E83940	<0.2	2.04	20	35	<5	1.26	<1	11	46	11	3.99	<10	1.17	1067	<1	0.07	3	1160	16	<5	<20	907	0.10
32	E83941	0.4	1.54	15	25	5	2.76	2	9	54	32	3.54	<10	0.91	914	5	0.03	3	1080	16	<5	<20	98	0.09
33	E83942	0.2	1.40	15	45	<5	2.03	<1	10	67	14	3.63	<10	1.03	1080	<1	0.04	3	1130	18	<5	<20	119	0.10
34	E83943 Dup of E83942	<0.2	1.55	15	40	<5	2.11	<1	11	93	14	3.98	<10	1.06	1117	5	0.04	4	1160	12	<5	<20	130	0.11
35	E83944	<0.2	0.82	10	30	<5	1.15	<1	11	39	39	3.78	<10	0.50	551	5	0.01	3	1090	16	<5	<20	35	0.10
36	E83945	0.3	2.41	25	35	<5	2.15	1	8	32	40	2.77	<10	0.74	1171	2	0.07	1	930	44	<5	<20	260	0.04
37	E83946	0.3	1.85	15	45	<5	1.40	<1	11	36	23	3.72	<10	0.72	1178	5	0.03	2	1030	14	<5	<20	262	0.07
38	E83947	<0.2	1.40	15	40	5	1.29	<1	10	36	4	3.69	<10	0.70	1132	<1	0.02	2	1110	14	<5	<20	137	0.06
39	E83948	<0.2	1.01	10	40	10	1.15	1	11	51	6	4.24	<10	0.48	675	3	0.02	2	1190	12	<5	<20	75	0.06
40	E83949	<0.2	0.99	10	35	10	1.11	1	10	36	71	4.83	<10	0.49	821	<1	0.01	1	1120	20	<5	<20	47	0.02
41	E83950	2.5	1.51	15	35	<5	1.76	3	12	58	634	4.32	<10	0.66	893	6	0.02	2	1140	94	<5	<20	86	0.05
42	E83951	<0.2	2.18	20	45	<5	1.41	<1	15	36	43	4.07	<10	0.95	638	2	0.03	2	1090	18	<5	<20	119	0.11
43	E83952	<0.2	1.96	20	50	<5	1.79	<1	12	64	35	2.85	<10	1.03	758	5	0.04	5	850	12	<5	<20	171	0.10
44	E83953	<0.2	0.03	45	<5	<5	>10	<1	<1	3	<1	0.04	<10	1.67	33	<1	<0.01	<1	40	10	10	<20	6915	<0.01
45	E83954	<0.2	2.30	20	80	<5	2.29	<1	8	34	24	2.12	<10	0.73	489	1	0.03	3	610	14	<5	<20	224	0.05
46	E83955	0.3	2.04	20	35	<5	1.71	6	10	47	244	2.50	<10	0.83	965	4	0.04	3	660	350	<5	<20	132	0.06
47	E83956	<0.2	1.87	20	35	<5	1.36	<1	11	56	19	3.55	<10	0.70	534	3	0.04	3	590	16	<5	<20	185	0.09
48	E83957	<0.2	3.18	30	20	10	2.16	<1	16	32	10	4.57	<10	1.09	396	2	0.04	7	1130	16	<5	<20	200	0.10
49	E83958	<0.2	1.26	15	40	<5	1.17	<1	9	69	39	2.78	<10	0.65	673	3	0.03	4	590	16	<5	<20	90	0.07
50	E83959	<0.2	2.57	25	50	<5	2.65	2	10	30	40	2.26	<10	0.96	845	2	0.03	4	780	18	<5	<20	255	0.02
51	E83960	<0.2	2.34	20	115	<5	1.39	2	12	34	73	3.66	<10	1.37	1256	1	0.04	5	990	32	<5	<20	151	0.07
52	E83961	0.8	2.05	25	60	<5	1.21	29	17	53	269	3.57	<10	1.46	1439	4	0.04	7	1090	1630	<5	<20	149	0.10
53	E83962	<0.2	2.88	25	55	<5	1.99	1	11	26	34	2.99	<10	1.13	966	<1	0.04	4	840	38	<5	<20	207	0.05
54	E83963 Dup of E83962	<0.2	2.19	20	35	<5	1.54	<1	8	27	25	2.00	<10	0.73	705	2	0.03	3	670	38	<5	<20	143	0.03
55	E83964	<0.2	2.23	20	70	<5	2.57	<1	8	44	21	4.36	<10	1.02	981	2	0.07	2	1110	18	<5	<20	925	0.05
56	E83965	<0.2	3.73	40	70	<5	2.49	<1	11	29	26	3.68	<10	0.97	743	2	0.06	2	1030	24	<5	<20	259	0.07
57	E83966	<0.2	3.51	30	65	<5	2.41	<1	9	20	47	3.01	<10	0.85	776	<1	0.04	1	940	20	<5	<20	233	0.06
58	E83967	<0.2	3.68	30	60	<5	2.67	<1	8	16	48	2.50	<10	0.80	1181	1	0.05	2	700	26	<5	<20	213	0.05
59	E83968	1.2	1.00	10	35	10	1.56	41	11	35	103	4.22	10	0.39	663	19	0.02	5	850	194	<5	<20	70	<0.01
60	E83969	0.4	1.80	15	40	5	2.10	3	8	38	56	3.25	10	0.78	1077	7	0.03	6	880	122	<5	<20	102	<0.01
61	E83970	0.3	2.49	25	45	<5	2.54	<1	7	41	31	3.31	10	0.95	1212	3	0.03	5	950	26	<5	<20	129	<0.01
62	E83971	0.4	3.00	25	20	<5	3.03	<1	5	36	61	1.97	<10	0.54	1066	6	0.03	3	600	26	<5	<20	183	<0.01
63	E83972	<0.2	2.73	25	55	<5	2.77	2	5	23	23	1.35	<10	0.33	781	2	0.02	2	520	70	<5	<20	129	<0.01
64	E83973	<0.2	0.05	<5	<5	<5	>10	<1	<1	3	<1	0.03	<10	1.22	29	<1	<0.01	<1	30	4	<5	<20	6005	<0.01
65	E83974	0.7	1.52	15	35	<5	2.25	3	7	51	144	2.88	<10	0.81	2112	2	0.02	3	820	278	<5	<20	75	0.04

Stealth Mineral Ltd. AK7 - 1351

	ET #.	Tag #		Au (g/t)	Au (oz/t)
S2 ↓	24	E83934		<0.03	<0.001
	25	E83935		<0.03	<0.001
S3 ↓	26	E83936	8.0 - 9.0m	<0.03	<0.001
	27	E83937		0.03	0.001
	28	E83938		0.04	0.001
	29	E83939		<0.03	<0.001
	30	E83940	16.0 - 17.0m	0.11	0.003
	31	E83941		<0.03	<0.001
	32	E83942		<0.03	<0.001
	33	E83943 Dup		<0.03	<0.001
	34	E83944		<0.03	<0.001
	35	E83945		0.03	0.001
	36	E83946		0.03	0.001
	37	E83947		0.03	0.001
	38	E83948		<0.03	<0.001
	39	E83949		<0.03	<0.001
	40	E83950	50.3 - 51.3m	<0.03	<0.001
	41	E83951		<0.03	<0.001
	42	E83952		<0.03	<0.001
	43	E83953		<0.03	<0.001
	44	E83954		<0.03	<0.001
	45	E83955		<0.03	<0.001
	46	E83956		<0.03	<0.001
	47	E83957		0.03	0.001
	48	E83958		<0.03	<0.001
	49	E83959		<0.03	<0.001
	50	E83960		<0.03	<0.001
	51	E83961		<0.03	<0.001
	52	E83962		<0.03	<0.001
	53	E83963 Dup		<0.03	<0.001
	54	E83964	102.4 - 102.6 m	0.03	0.001
	55	E83965		<0.03	<0.001
	56	E83966		<0.03	<0.001
	57	E83967		0.03	0.001
	58	E83968		<0.03	<0.001
	59	E83969		<0.03	<0.001
	60	E83970		<0.03	<0.001
	61	E83971		<0.03	<0.001
	62	E83972		<0.03	<0.001
	63	E83973		<0.03	<0.001
	64	E83974		<0.03	<0.001
	65	E83975		<0.03	<0.001
	66	E83976		<0.03	<0.001
	67	E83977	131.0 - 132.0 m	<0.03	<0.001

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7 - 1351

S-3

ET #.	Tag #		Au (g/t)	Au (oz/t)
68	E83978		<0.03	<0.001
69	E83979	S-3 168.6 – 159.4	<0.03	<0.001
70	E83980	S-4	<0.03	<0.001
71	E83981		<0.03	<0.001
72	E83982		<0.03	<0.001
73	E83983 Dup		0.03	0.001
74	E83984		<0.03	<0.001
75	E83985		<0.03	<0.001
76	E83986		<0.03	<0.001
77	E83987		<0.03	<0.001

QC DATA:

		Au (g/t)	Au (oz/t)
Resplit:			
1	E83885	<0.03	<0.001
36	E83946	<0.03	<0.001
71	E83981	0.03	0.001
Repeat:			
1	E83885	<0.03	<0.001
10	E83894	<0.03	<0.001
19	E83929	<0.03	<0.001
36	E83946	<0.03	<0.001
45	E83955	<0.03	<0.001
54	E83964	<0.03	<0.001
71	E83981	<0.03	<0.001
Standard:			
SI25		1.83	0.053
SI25		1.80	0.052
SI25		1.79	0.052

JJ/jl
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

32 ↓ 53

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
26	E83935	0.2	1.15	10	45	<5	1.35	<1	7	72	10	2.93	10	0.73	1044	3	0.03	7	950	12	<5	<20	90	0.01	<10	50	<10	10	6
27	E83936 8.0-9.0	0.5	5.12	50	45	<5	3.33	<1	12	39	108	3.82	<10	0.97	1021	<1	0.05	2	1010	40	<5	<20	283	0.13	<10	84	<10	5	9
28	E83937	<0.2	3.51	30	60	<5	2.76	<1	13	38	69	3.59	<10	1.06	923	5	0.05	3	870	22	<5	<20	223	0.12	<10	72	<10	5	7
29	E83938	<0.2	4.36	40	75	<5	3.67	<1	14	34	63	3.61	<10	1.15	987	<1	0.07	3	810	24	<5	<20	268	0.10	<10	83	<10	4	8
30	E83939	0.2	2.47	25	55	<5	1.83	<1	10	50	50	3.47	<10	0.67	794	4	0.04	2	940	24	<5	<20	257	0.10	<10	48	<10	7	6
31	E83940 16.0-17.0	<0.2	2.04	20	35	<5	1.26	<1	11	46	11	3.99	<10	1.17	1067	<1	0.07	3	1160	16	<5	<20	907	0.10	<10	52	<10	8	6
32	E83941	0.4	1.54	15	25	5	2.76	2	9	54	32	3.54	<10	0.91	914	5	0.03	3	1080	16	<5	<20	98	0.09	<10	53	<10	7	11
33	E83942	0.2	1.40	15	45	<5	2.03	<1	10	67	14	3.63	<10	1.03	1080	<1	0.04	3	1130	18	<5	<20	119	0.10	<10	62	<10	8	7
34	E83943 Dup of E83942	<0.2	1.55	15	40	<5	2.11	<1	11	93	14	3.98	<10	1.06	1117	5	0.04	4	1160	12	<5	<20	130	0.11	<10	65	<10	9	7
35	E83944	<0.2	0.82	10	30	<5	1.15	<1	11	39	39	3.78	<10	0.50	551	5	0.01	3	1090	16	<5	<20	35	0.10	<10	18	<10	9	2
36	E83945	0.3	2.41	25	35	<5	2.15	1	8	32	40	2.77	<10	0.74	1171	2	0.07	1	930	44	<5	<20	260	0.04	<10	48	<10	3	17
37	E83946	0.3	1.85	15	45	<5	1.40	<1	11	36	23	3.72	<10	0.72	1178	5	0.03	2	1030	14	<5	<20	262	0.07	<10	32	<10	7	7
38	E83947	<0.2	1.40	15	40	5	1.29	<1	10	36	4	3.69	<10	0.70	1132	<1	0.02	2	1110	14	<5	<20	137	0.06	<10	25	<10	7	5
39	E83948	<0.2	1.01	10	40	10	1.15	1	11	51	6	4.24	<10	0.48	675	3	0.02	2	1190	12	<5	<20	75	0.06	<10	26	<10	6	7
40	E83949	<0.2	0.99	10	35	10	1.11	1	10	36	71	4.83	<10	0.49	821	<1	0.01	1	1120	20	<5	<20	47	0.02	<10	12	<10	5	7
41	E83950 50.3-51.2	2.5	1.51	15	35	<5	1.76	3	12	58	634	4.32	<10	0.66	893	6	0.02	2	1140	94	<5	<20	86	0.05	<10	14	<10	7	35
42	E83951	<0.2	2.18	20	45	<5	1.41	<1	15	36	43	4.07	<10	0.95	638	2	0.03	2	1090	18	<5	<20	119	0.11	<10	47	<10	7	6
43	E83952	<0.2	1.96	20	50	<5	1.79	<1	12	84	35	2.85	<10	1.03	758	5	0.04	5	850	12	<5	<20	171	0.10	<10	63	<10	3	6
44	E83953 blank	<0.2	0.03	45	<5	<5	>10	<1	<1	3	<1	0.04	<10	1.67	33	<1	<0.01	<1	40	10	10	<20	6915	<0.01	<10	5	<10	<1	[illegible]
45	E83954	<0.2	2.30	20	80	<5	2.29	<1	8	34	24	2.12	<10	0.73	489	1	0.03	3	610	14	<5	<20	224	0.05	<10	39	<10	2	4
46	E83955	0.3	2.04	20	35	<5	1.71	6	10	47	244	2.50	<10	0.83	965	4	0.04	3	660	350	<5	<20	132	0.06	<10	44	<10	2	81
47	E83956	<0.2	1.87	20	35	<5	1.36	<1	11	56	19	3.55	<10	0.70	534	3	0.04	3	590	16	<5	<20	185	0.09	<10	37	<10	4	11
48	E83957	<0.2	3.18	30	20	10	2.16	<1	16	32	10	4.57	<10	1.09	396	2	0.04	7	1130	16	<5	<20	200	0.10	<10	58	<10	5	4
49	E83958	<0.2	1.26	15	40	<5	1.17	<1	9	69	39	2.78	<10	0.65	673	3	0.03	4	590	16	<5	<20	90	0.07	<10	38	<10	4	3
50	E83959	<0.2	2.57	25	50	<5	2.65	2	10	30	40	2.26	<10	0.96	845	2	0.03	4	780	18	<5	<20	255	0.02	<10	44	<10	3	9
51	E83960	<0.2	2.34	20	115	<5	1.39	2	12	34	73	3.66	<10	1.37	1256	1	0.04	5	990	32	<5	<20	151	0.07	<10	78	<10	5	17
52	E83961	0.8	2.05	25	60	<5	1.21	29	17	53	269	3.57	<10	1.46	1439	4	0.04	7	1090	1630	<5	<20	149	0.10	<10	58	<10	4	[illegible]
53	E83962	<0.2	2.88	25	55	<5	1.99	1	11	26	34	2.99	<10	1.13	966	<1	0.04	4	840	38	<5	<20	207	0.05	<10	67	<10	3	12
54	E83963 Dup of E83962	<0.2	2.19	20	35	<5	1.54	<1	8	27	25	2.00	<10	0.73	705	2	0.03	3	670	38	<5	<20	143	0.03	<10	43	<10	2	10
55	E83964 102.4-102.6	<0.2	2.23	20	70	<5	2.57	<1	8	44	21	4.36	<10	1.02	981	2	0.07	2	1110	18	<5	<20	925	0.05	<10	66	<10	7	8
56	E83965	<0.2	3.73	40	70	<5	2.49	<1	11	29	26	3.68	<10	0.97	743	2	0.06	2	1030	24	<5	<20	259	0.07	<10	47	<10	5	64
57	E83966	<0.2	3.51	30	65	<5	2.41	<1	9	20	47	3.01	<10	0.85	776	<1	0.04	1	940	20	<5	<20	233	0.06	<10	44	<10	4	64
58	E83967	<0.2	3.68	30	60	<5	2.67	<1	8	16	48	2.50	<10	0.80	1181	1	0.05	2	700	26	<5	<20	213	0.05	<10	49	<10	3	8
59	E83968	1.2	1.00	10	35	10	1.56	41	11	35	103	4.22	10	0.39	663	19	0.02	5	850	194	<5	<20	70	<0.01	<10	14	<10	10	[illegible]
60	E83969	0.4	1.80	15	40	5	2.10	3	8	38	56	3.25	10	0.78	1077	7	0.03	6	880	122	<5	<20	102	<0.01	<10	29	<10	10	346
61	E83970	0.3	2.49	25	45	<5	2.54	<1	7	41	31	3.31	10	0.95	1212	3	0.03	5	950	26	<5	<20	129	<0.01	<10	51	<10	9	108
62	E83971	0.4	3.00	25	20	<5	3.03	<1	5	36	61	1.97	<10	0.54	1066	6	0.03	3	600	26	<5	<20	183	<0.01	<10	31	<10	6	78
63	E83972	<0.2	2.73	25	55	<5	2.77	2	5	23	23	1.35	<10	0.33	781	2	0.02	2	520	70	<5	<20	129	<0.01	<10	19	<10	3	207
64	E83973	<0.2	0.05	<5	<5	<5	>10	<1	<1	3	<1	0.03	<10	1.22	29	<1	<0.01	<1	30	4	<5	<20	6005	<0.01	<10	<1	<10	<1	<1
65	E83974	0.7	1.52	15	35	<5	2.25	3	7	51	144	2.88	<10	0.81	2112	2	0.02	3	820	278	<5	<20	75	0.04	<10	43	<10	6	427

53 (rows 66–70) / 54 (rows 71 onward)

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
66	E83975	<0.2	2.07	20	120	<5	2.70	<1	8	48	20	3.03	<10	0.83	1728	3	0.03	4	880	70	<5	<20	122	0.02	<10	52	<10	8	1
67	E83976	1.1	1.84	20	30	5	2.53	7	6	37	42	2.92	<10	0.74	1732	5	0.03	3	710	372	<5	<20	106	0.01	<10	39	<10	7	9
68	E83977 /31.-132.	0.7	1.87	15	55	<5	1.94	3	8	59	102	2.90	10	0.76	2277	7	0.03	5	820	160	<5	<20	157	0.02	<10	50	<10	9	4
69	E83978	0.9	3.09	30	60	<5	3.80	5	8	41	102	3.14	<10	0.87	1572	2	0.05	4	920	300	<5	<20	194	0.04	<10	53	<10	8	67
70	E83979 158.6 – 139.4	<0.2	0.87	10	30	<5	0.96	1	9	62	17	2.72	<10	0.45	204	6	0.02	2	550	10	<5	<20	33	0.02	<10	9	<10	5	11
71	E83980	0.3	3.75	35	50	5	2.53	<1	13	30	54	3.98	<10	0.63	521	2	0.13	3	1050	30	<5	<20	2161	0.08	<10	53	<10	7	5
72	E83981	0.7	2.79	30	35	<5	2.13	6	13	37	60	3.91	<10	1.12	1926	1	0.04	4	1080	276	<5	<20	167	0.13	<10	73	<10	7	68
73	E83982	0.3	2.41	30	45	<5	2.64	2	12	37	68	4.26	<10	1.24	1875	3	0.03	2	1110	56	<5	<20	112	0.08	<10	80	<10	8	13
74	E83983 Dup of E83982	0.3	2.32	30	40	<5	2.48	2	11	32	69	4.06	<10	1.24	1844	1	0.03	2	1080	52	<5	<20	106	0.08	<10	79	<10	7	13
75	E83984	0.3	4.01	40	60	<5	3.58	<1	12	42	50	3.90	<10	1.05	1174	3	0.04	3	1020	28	<5	<20	329	0.14	<10	74	<10	7	9
76	E83985	0.2	2.82	30	55	<5	2.90	1	13	50	59	4.54	<10	1.05	1421	4	0.05	3	1170	24	<5	<20	1188	0.12	<10	66	<10	8	11
77	E83986	2.94	0.89	20	35	5	1.34	6	12	57	14	4.42	<10	0.34	342	16	0.01	3	1140	142	<5	<20	59	0.10	<10	11	<10	8	28
78	E83987	0.2	1.51	15	30	<5	1.57	<1	14	74	7	4.68	<10	0.84	1005	4	0.02	4	1350	14	<5	<20	168	0.13	<10	43	<10	10	4

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
1	E83885	0.5	1.35	15	65	<5	3.14	<1	8	40	5	3.56	10	0.85	1188	<1	0.01	7	1100	16	<5	<20	42	<0.01	<10	36	<10	13	7
10	E83894	2.2	1.45	25	85	<5	3.54	<1	10	47	19	3.29	20	0.90	1372	10	0.01	9	1080	26	<5	<20	59	<0.01	<10	31	<10	12	11
19	E83928	<0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	<1	<0.01	<10	<0.01	<1	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<
36	E83945	0.2	2.94	30	60	<5	2.65	2	10	41	48	3.49	<10	0.93	1503	3	0.06	1	1110	52	<5	<20	338	0.06	<10	64	<10	4	20
45	E83954	<0.2	2.62	25	85	<5	2.56	<1	10	40	25	2.44	<10	0.84	567	1	0.04	3	680	14	<5	<20	253	0.06	<10	44	<10	2	5
54	E83963 Dup of E83962	<0.2	3.23	30	65	<5	2.23	1	12	41	41	3.48	<10	1.22	1080	2	0.05	5	940	54	<5	<20	242	0.05	<10	76	<10	4	14
71	E83980	0.3	3.72	40	70	<5	2.97	<1	14	35	47	4.42	<10	0.59	618	3	0.10	3	1120	30	<5	<20	2644	0.10	<10	56	<10	8	6

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
1	E83885	0.6	1.38	15	65	5	3.29	<1	8	46	5	3.73	10	0.84	1225	3	0.01	7	1130	16	<5	<20	45	<0.01	<10	37	<10	13	7
36	E83945	<0.2	2.45	20	55	<5	2.30	1	9	29	44	2.90	<10	0.76	1219	1	0.06	1	930	46	<5	<20	268	0.05	<10	53	<10	4	17
71	E83980	0.3	3.75	40	70	<5	3.05	<1	15	41	45	4.49	<10	0.58	641	4	0.09	3	1120	32	<5	<20	2708	0.11	<10	57	<10	8	6

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
Pb113		11.8	0.26	40	65	<5	1.66	41	2	2	2306	1.02	<10	0.11	1473	67	0.02	1	90	5488	5	<20	84	<0.01	<10	6	<10	<1	698
Pb113		11.0	0.26	40	60	<5	1.68	41	2	1	2315	1.02	<10	0.11	1458	68	0.02	1	100	5442	5	<20	85	0.01	<10	6	<10	<1	690
Pb113		11.0	0.26	45	65	<5	1.65	55	2	1	2336	1.19	<10	0.10	1574	67	0.02	1	100	5598	5	<20	86	0.01	<10	5	<10	1	7037

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ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

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O TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AK 2007- 1493 Stealth Mineral Ltd.

:t #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y
DATA:																												
peat:																												
1	E83988	0.5	1.90	15	45	30	3.49	<1	13	42	14	3.76	<10	1.06	989	4	0.03	3	1230	34	5	<20	144	0.09	<10	57	<10	6
10	E83997	1.9	1.72	15	40	<5	1.63	2	15	51	637	4.66	<10	1.04	1701	17	0.03	4	1260	166	10	<20	79	0.10	<10	71	<10	5
19	E84006	0.6	2.37	10	240	10	1.66	3	14	52	196	3.77	<10	1.43	1711	7	0.05	8	1230	200	20	<20	152	0.11	<10	102	<10	5
36	E84023	0.7	1.59	20	30	20	3.17	<1	14	43	11	3.19	<10	0.76	499	8	0.02	5	1070	36	10	<20	81	0.08	<10	44	<10	6
45	E84032	6.6	1.05	35	35	<5	2.90	4	6	81	116	2.09	10	0.63	1029	20	0.02	5	800	250	10	<20	56	0.02	<10	28	<10	10
54	E84041	>30	1.45	40	35	<5	1.17	18	9	69	67	3.39	<10	0.85	1033	35	0.02	6	860	800	20	<20	54	0.03	<10	45	<10	3
split:																												
1	E83988	0.4	1.91	10	50	10	3.85	1	13	48	15	3.93	<10	1.09	1010	5	0.03	6	1280	42	10	<20	147	0.08	<10	59	<10	6
37	E84024	0.4	1.60	35	35	15	1.95	<1	14	46	10	3.13	<10	0.74	423	5	0.03	6	1080	44	10	<20	74	0.10	<10	38	<10	11
ndard:																												
113		11.6	0.27	40	60	<5	1.68	39	2	6	2285	1.05	<10	0.10	1425	63	0.01	2	80	5540	15	<20	87	0.01	<10	7	<10	<1
113		11.2	0.27	40	70	<5	1.66	39	2	6	2258	1.03	<10	0.10	1417	64	0.01	2	90	5596	15	<20	81	<0.01	<10	8	<10	<1

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

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t #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y
26	E84013	<0.2	0.02	25	<5	<5	>10	<1	<1	2	2	0.03	<10	1.47	28	<1	<0.01	<1	40	12	<5	<20	6676	0.02	<10	1	<10	<1
27	E84014	0.7	2.85	25	45	25	1.52	8	19	49	137	4.74	<10	1.81	3545	16	0.06	9	1210	742	20	<20	255	0.13	<10	114	<10	5
28	E84015	1.4	2.04	30	40	30	1.14	1	13	46	13	3.19	<10	1.12	466	6	0.02	5	1090	44	15	<20	89	0.12	<10	46	<10	10
29	E84016	0.7	0.77	20	30	5	0.65	4	10	78	100	1.96	<10	0.39	239	12	<0.01	2	920	94	<5	<20	24	0.05	<10	18	<10	7
30	E84017	0.4	1.28	20	40	25	1.30	<1	16	40	9	3.38	<10	0.85	429	5	0.02	4	1090	34	10	<20	47	0.09	<10	47	<10	7
31	E84018	0.2	2.34	35	50	15	2.27	<1	13	38	24	2.76	<10	1.16	762	5	0.02	3	1120	46	15	<20	113	0.10	<10	58	<10	7
32	E84019	0.2	1.51	25	45	10	2.00	<1	11	43	8	2.68	<10	0.88	646	3	0.02	3	1060	38	5	<20	62	0.09	<10	46	<10	6
33	E84020	0.3	1.35	15	45	25	1.51	2	16	37	19	4.06	<10	1.01	414	8	0.01	7	1120	38	20	<20	37	0.06	<10	38	<10	6
34	E84021	0.9	2.13	45	40	15	2.77	<1	13	42	8	3.80	<10	1.27	665	6	0.02	5	1250	46	15	<20	91	0.08	<10	63	<10	6
35	E84022	0.8	1.53	15	40	20	2.78	<1	16	43	13	3.67	<10	0.90	563	9	0.02	5	1120	40	5	<20	116	0.08	<10	52	<10	5
36	E84023	0.7	1.52	20	30	30	3.09	<1	13	41	11	3.32	<10	0.93	583	7	0.02	4	1070	40	10	<20	92	0.09	<10	41	<10	6
37	E84024	0.4	1.80	30	30	20	1.83	<1	13	40	9	2.92	<10	0.73	319	4	0.03	3	1070	42	5	<20	94	0.11	<10	44	<10	11
38	E84025	0.4	2.00	30	40	15	1.15	<1	12	39	13	3.35	<10	1.26	613	4	0.02	4	1200	42	15	<20	68	0.14	<10	83	<10	10
39	E84026	0.3	2.68	25	30	20	1.66	<1	12	41	5	3.48	<10	1.09	578	6	<0.01	5	1150	52	20	<20	109	0.09	<10	41	<10	7
40	E84027	0.3	1.34	30	50	10	1.24	<1	14	60	10	3.29	<10	1.09	673	3	0.03	3	1110	38	5	<20	62	0.10	<10	66	<10	6
41	E84028	1.6	1.35	15	40	15	1.28	2	12	46	17	3.95	10	0.99	1274	15	0.01	6	1200	196	15	<20	29	0.02	<10	41	<10	8
42	E84029	1.6	0.74	10	40	<5	0.72	<1	11	50	8	3.15	<10	0.44	528	9	<0.01	4	1050	34	<5	<20	20	0.02	<10	18	<10	6
43	E84030	1.7	1.44	35	50	15	1.31	2	9	49	47	2.92	10	0.88	1230	10	0.02	5	1190	120	15	<20	52	0.02	<10	32	<10	10
44	E84031	0.6	1.73	35	35	5	1.71	<1	10	49	24	3.16	10	1.10	1366	5	0.02	4	1200	36	10	<20	61	0.04	<10	43	<10	9
45	E84032	6.6	1.04	30	35	<5	2.92	4	7	78	117	2.08	<10	0.63	1031	22	0.01	5	810	256	20	<20	56	0.02	<10	27	<10	10
46	E84033	<0.2	0.09	25	<5	<5	>10	<1	2	3	1	0.07	<10	1.66	38	<1	<0.01	<1	70	10	5	<20	6472	0.03	<10	8	<10	<1
47	E84034	4.0	1.73	15	40	<5	1.00	3	10	49	346	3.43	<10	1.29	1896	7	0.03	5	1140	662	15	<20	46	0.03	<10	51	<10	10
48	E84035	1.3	1.52	30	40	<5	1.55	<1	9	56	23	2.93	10	1.04	1357	4	0.03	4	1100	1000	10	<20	66	0.03	<10	41	<10	10
49	E84036	1.3	1.31	30	40	<5	2.23	2	11	55	94	2.85	<10	0.98	1406	12	0.02	5	1110	204	10	<20	53	0.03	<10	42	<10	10
50	E84037	1.3	1.19	15	45	15	1.01	<1	9	64	42	2.86	<10	0.77	1114	4	0.02	4	1100	50	10	<20	29	0.02	<10	34	<10	7
51	E84038	1.1	1.22	30	45	<5	1.28	1	9	60	34	2.85	10	0.83	1235	3	0.02	4	1040	98	5	<20	25	0.03	<10	34	<10	8
52	E84039	1.5	1.32	15	50	<5	1.19	1	10	50	50	3.13	<10	0.93	1165	9	0.02	5	1200	110	15	<20	43	0.03	<10	43	<10	9
53	E84040	8.3	1.21	40	75	<5	1.15	1	8	56	19	2.76	10	0.71	840	17	0.02	5	1050	50	10	<20	46	0.02	<10	38	<10	8
54	E84041	>30	1.42	35	45	5	1.16	18	9	69	64	3.35	<10	0.83	1024	33	0.02	4	870	800	10	<20	59	0.04	<10	43	<10	4
55	E84042	1.4	1.41	15	45	15	1.82	4	11	54	38	2.94	<10	1.05	1369	6	0.02	5	1040	534	15	<20	73	0.09	<10	65	<10	7
56	E84043	1.6	1.44	20	45	5	2.05	7	11	58	47	2.91	<10	1.07	1442	7	0.02	5	1070	538	15	<20	73	0.09	<10	60	<10	7
57	E84044	8.4	1.46	25	50	15	2.30	3	11	49	29	3.02	<10	1.02	1119	9	0.02	7	1040	154	20	<20	74	0.07	<10	66	<10	8
58	E84045	26.5	0.54	20	105	<5	1.45	<1	6	61	62	1.44	10	0.10	578	2	<0.01	2	990	368	<5	<20	52	0.01	<10	13	<10	6
59	E84046	4.4	0.45	10	40	<5	0.99	6	10	46	22	2.70	10	0.03	394	50	<0.01	4	1010	70	5	<20	48	0.01	<10	7	<10	6
60	E84047	1.6	0.33	10	35	<5	0.91	<1	7	80	10	2.12	<10	0.02	497	12	<0.01	4	790	28	<5	<20	28	0.01	<10	7	<10	10
61	E84048	2.4	0.29	15	40	<5	0.47	<1	6	87	36	1.58	<10	0.01	211	16	<0.01	3	730	30	<5	<20	20	<0.01	<10	6	<10	6
62	E84049	7.1	0.94	30	55	<5	1.27	23	9	63	829	3.28	20	0.40	903	141	<0.01	3	760	1430	<5	<20	28	0.02	<10	33	<10	8
63	E84050	1.9	0.73	20	90	<5	2.02	<1	5	66	43	2.08	10	0.21	604	7	<0.01	3	920	30	<5	<20	51	0.01	<10	22	<10	7
64	E84051	1.6	0.67	25	90	<5	1.52	2	6	83	32	1.69	10	0.25	665	5	0.01	4	910	214	<5	<20	45	0.02	<10	16	<10	7

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27-Sep-07

O TECH LABORATORY LTD.
)41 Dallas Drive
MLOOPS, B.C.
C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 1493

Stealth Mineral Ltd.
301 - 260 W. Esplanade
N. Vancouver, BC
V7M 3G7

one: 250-573-5700
x : 250-573-4557

No. of samples received: 64
Sample Type: Core
Project: Swan
Submitted by: KM Dawson

lues in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y
1	E83988	0.3	1.96	10	40	15	3.53	1	12	42	14	3.77	<10	1.08	999	4	0.03	3	1190	28	10	<20	144	0.10	<10	62	<10	5
2	E83989	0.2	2.52	20	30	10	1.90	<1	12	43	76	3.58	<10	1.11	1731	4	0.04	5	1100	36	20	<20	163	0.11	<10	66	<10	8
3	E83990	<0.2	2.20	20	30	20	1.77	<1	13	39	27	4.05	<10	1.05	1276	4	0.07	3	1140	34	10	<20	696	0.10	<10	54	<10	8
4	E83991	<0.2	1.81	25	30	20	1.41	<1	14	54	14	4.04	<10	0.93	935	5	0.05	4	1100	30	10	<20	611	0.10	<10	38	<10	8
5	E83992	<0.2	2.96	30	25	25	1.93	1	13	40	32	4.08	<10	1.06	1135	18	0.09	7	1170	44	30	<20	403	0.08	<10	67	<10	8
6	E83993	<0.2	0.03	35	<5	<5	>10	<1	2	4	3	0.04	<10	1.74	30	<1	<0.01	<1	60	12	<5	<20	6672	0.02	<10	3	<10	<1
7	E83994	<0.2	2.82	15	30	25	1.89	1	15	35	37	4.30	<10	1.35	1365	8	0.07	5	1260	42	20	<20	383	0.09	<10	81	<10	7
8	E83995	<0.2	3.07	35	20	30	2.18	<1	12	26	6	3.12	<10	0.92	827	5	0.04	2	1080	46	15	<20	212	0.08	<10	45	<10	6
9	E83996	<0.2	1.09	10	45	20	1.76	1	12	50	13	3.89	<10	0.83	947	4	0.02	4	1130	44	5	<20	50	0.08	<10	34	<10	7
10	E83997	2.0	1.73	20	40	<5	1.61	3	14	52	641	4.55	<10	1.05	1686	18	0.03	6	1220	158	15	<20	78	0.10	<10	73	<10	6
11	E83998	0.2	2.47	20	40	20	1.81	1	13	28	14	3.77	<10	0.94	775	7	0.03	5	1130	46	25	<20	206	0.09	<10	45	<10	7
12	E83999	0.2	3.34	40	25	25	3.42	<1	10	36	15	3.01	<10	0.42	343	8	0.03	2	790	68	10	<20	211	0.07	<10	25	<10	5
13	E84000	0.4	1.74	25	40	10	1.89	<1	11	64	15	2.74	<10	0.73	383	12	0.03	2	820	88	<5	<20	113	0.08	<10	24	<10	6
14	E84001	0.9	1.87	15	50	<5	1.87	2	16	47	166	4.31	<10	1.03	1180	5	0.03	4	1290	74	5	<20	100	0.12	<10	33	<10	8
15	E84002	<0.2	2.09	15	30	25	1.40	1	16	39	12	4.09	<10	0.97	750	5	0.04	3	1250	42	10	<20	137	0.11	<10	35	<10	7
16	E84003	0.2	2.10	15	30	35	1.38	1	14	53	12	3.88	<10	0.98	754	4	0.04	3	1240	42	10	<20	125	0.11	<10	37	<10	8
17	E84004	0.3	2.87	25	30	35	1.74	1	13	39	19	3.93	<10	1.12	923	4	0.04	3	1240	56	10	<20	176	0.10	<10	48	<10	6
18	E84005	1.6	2.59	20	45	20	3.55	<1	13	37	34	4.08	<10	0.82	863	19	0.03	3	1230	72	5	<20	143	0.10	<10	42	<10	6
19	E84006	0.6	2.37	10	240	10	1.68	2	14	52	194	3.79	<10	1.42	1716	6	0.05	8	1240	198	20	<20	151	0.12	<10	103	<10	5
20	E84007	<0.2	1.92	35	60	10	1.62	<1	11	61	29	2.51	<10	0.87	681	6	0.05	4	760	42	10	<20	131	0.08	<10	57	<10	4
21	E84008	<0.2	2.26	35	40	20	1.68	<1	10	62	23	2.68	<10	0.75	567	6	0.07	4	680	48	15	<20	229	0.09	<10	58	<10	5
22	E84009	<0.2	2.76	35	35	15	2.13	<1	10	53	12	2.76	<10	0.68	443	8	0.05	4	610	48	15	<20	178	0.09	<10	41	<10	5
23	E84010	0.2	3.44	20	115	15	2.55	<1	14	20	99	4.56	<10	1.36	859	10	0.07	5	1340	60	15	<20	398	0.11	<10	147	<10	7
24	E84011	<0.2	2.37	30	215	<5	1.88	<1	12	39	56	3.37	<10	1.19	1042	2	0.06	5	1180	64	<5	<20	191	0.08	<10	97	<10	6
25	E84012	1.4	4.09	45	50	<5	2.63	23	17	29	278	4.34	<10	1.64	3369	27	0.05	11	1100	2406	45	<20	200	0.10	<10	95	<10	2

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
66	E83975	<0.2	2.07	20	120	<5	2.70	<1	8	48	20	3.03	<10	0.83	1728	3	0.03	4	880	70	<5	<20	122	0.02	<10	52	<10	8	13
53 67	E83976	1.1	1.84	20	30	5	2.53	7	6	37	42	2.92	<10	0.74	1732	5	0.03	3	710	372	<5	<20	108	0.01	<10	39	<10	7	90
68	E83977	0.7	1.87	15	55	<5	1.94	3	8	59	102	2.90	10	0.76	2277	7	0.03	5	820	[illegible]	<5	<20	157	0.02	<10	50	<10	9	46
69	E83978	0.9	3.09	30	60	<5	3.80	5	8	41	102	3.14	<10	0.87	1572	2	0.05	4	920	360	<5	<20	194	0.04	<10	53	<10	8	67
70	E83979	<0.2	0.87	10	30	<5	0.96	1	9	82	17	2.72	<10	0.45	204	6	0.02	2	550	10	<5	<20	33	0.02	<10	9	<10	5	11
5-4 71	7.5-8.5m E83980	0.3	3.75	35	50	5	2.53	<1	13	30	54	3.98	<10	0.63	521	2	0.13	3	1050	30	<5	<20	2161	0.08	<10	53	<10	7	5
72	E83981	0.7	2.79	30	35	<5	2.13	6	13	37	60	3.91	<10	1.12	1926	1	0.04	4	1080	276	<5	<20	167	0.13	<10	73	<10	7	68
73	E83982	0.3	2.41	30	45	<5	2.64	2	12	37	68	4.26	<10	1.24	1875	3	0.03	2	1110	56	<5	<20	112	0.08	<10	80	<10	8	13
74	E83983 Dup of E83982	0.3	2.32	30	40	<5	2.48	2	11	32	69	4.06	<10	1.24	1844	1	0.03	2	1080	52	<5	<20	106	0.08	<10	79	<10	7	13
75	E83984	0.3	4.01	40	60	<5	3.58	<1	12	42	50	3.90	<10	1.05	1174	3	0.04	3	1020	28	<5	<20	329	0.14	<10	74	<10	7	9
76	E83985	0.2	2.82	30	55	<5	2.90	1	13	50	59	4.54	<10	1.05	1421	4	0.05	3	1170	24	<5	<20	1188	0.12	<10	66	<10	8	11
77	E83986	2.9	0.89	20	35	5	1.34	6	12	57	14	4.42	<10	0.34	342	16	0.01	3	1140	142	<5	<20	59	0.10	<10	11	<10	8	28
78	32.0-33.0m E83987	0.2	1.51	15	30	<5	1.57	<1	14	74	7	4.68	<10	0.84	1005	4	0.02	4	1350	14	<5	<20	168	0.13	<10	43	<10	10	4
QC DATA:																													
Repeat:																													
1	E83885	0.5	1.35	15	65	<5	3.14	<1	8	40	5	3.56	10	0.85	1188	<1	0.01	7	1100	16	<5	<20	42	<0.01	<10	36	<10	13	7
10	E83894	2.2	1.45	25	85	<5	3.54	<1	10	47	19	3.29	20	0.90	1372	10	0.01	9	1080	26	<5	<20	59	<0.01	<10	31	<10	12	11
19	E83928	<0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	<1	<0.01	<10	<0.01	<1	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<
36	E83945	0.2	2.94	30	60	<5	2.65	2	10	41	48	3.49	<10	0.93	1503	3	0.08	1	1110	52	<5	<20	338	0.06	<10	64	<10	4	20
45	E83954	<0.2	2.62	25	86	<5	2.56	<1	10	40	25	2.44	<10	0.84	567	1	0.04	3	680	14	<5	<20	253	0.06	<10	44	<10	2	5
54	E83963 Dup of E83962	<0.2	3.23	30	65	<5	2.23	1	12	41	41	3.48	<10	1.22	1080	2	0.05	5	940	54	<5	<20	242	0.05	<10	76	<10	4	14
71	E83980	0.3	3.72	40	70	<5	2.97	<1	14	35	47	4.42	<10	0.59	618	3	0.10	3	1120	30	<5	<20	2644	0.10	<10	56	<10	8	6
Resplit:																													
1	E83885	0.6	1.38	15	65	5	3.29	<1	8	46	5	3.73	10	0.84	1225	3	0.01	7	1130	16	<5	<20	45	<0.01	<10	37	<10	13	7
36	E83945	<0.2	2.45	20	55	<5	2.30	1	9	29	44	2.90	<10	0.76	1219	1	0.06	1	930	46	<5	<20	268	0.05	<10	53	<10	4	17
71	E83980	0.3	3.75	40	70	<5	3.05	<1	15	41	45	4.49	<10	0.58	641	4	0.09	3	1120	32	<5	<20	2708	0.11	<10	57	<10	8	6
Standard:																													
Pb113		11.8	0.26	40	65	<5	1.66	41	2	2	2306	1.02	<10	0.11	1473	67	0.02	1	90	5488	5	<20	84	<0.01	<10	6	<10	<1	698
Pb113		11.0	0.26	40	60	<5	1.68	41	2	1	2315	1.02	<10	0.11	1458	68	0.02	1	100	5442	5	<20	85	0.01	<10	6	<10	<1	690
Pb113		11.0	0.26	45	65	<5	1.65	55	2	1	2336	1.19	<10	0.10	1574	67	0.02	1	100	5598	5	<20	86	0.01	<10	5	<10	1	703

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ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd. AK7 - 1351

ET #.	Tag #	Au (g/t)	Au (oz/t)	Notes
68	E83978	<0.03	<0.001	S-3
69	E83979	<0.03	<0.001	
70	E83980	<0.03	<0.001	S-4 7.5-8.5m
71	E83981	<0.03	<0.001	
72	E83982	<0.03	<0.001	
73	E83983 Dup	0.03	0.001	
74	E83984	<0.03	<0.001	
75	E83985	<0.03	<0.001	
76	E83986	<0.03	<0.001	
77	E83987	<0.03	<0.001	32.0-33.0m

QC DATA:

Resplit:

1	E83885	<0.03	<0.001
36	E83946	<0.03	<0.001
71	E83981	0.03	0.001

Repeat:

1	E83885	<0.03	<0.001
10	E83894	<0.03	<0.001
19	E83929	<0.03	<0.001
36	E83946	<0.03	<0.001
45	E83955	<0.03	<0.001
54	E83964	<0.03	<0.001
71	E83981	<0.03	<0.001

Standard:

SI25	1.83	0.053
SI25	1.80	0.052
SI25	1.79	0.052

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ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Stealth Mineral Ltd.AK7-1493

27-Sep-07

Margin	ET #.	Tag #	Notes	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
54	22	E84009		<0.03	<0.001		
	23	E84010		0.09	0.003		
	24	E84011		<0.03	<0.001		
	25	E84012		<0.03	<0.001		
	26	E84013		<0.03	<0.001		
	27	E84014		<0.03	<0.001		
	28	E84015		0.04	0.001		
55	29	E84016		0.04	0.001		
	30	E84017		<0.03	<0.001		
	31	E84018		<0.03	<0.001		
	32	E84019		<0.03	<0.001		
	33	E84020		<0.03	<0.001		
	34	E84021		<0.03	<0.001		
	35	E84022		<0.03	<0.001		
	36	E84023		<0.03	<0.001		
	37	E84024		<0.03	<0.001		
	38	E84025		<0.03	<0.001		
56	39	E84026		<0.03	<0.001		
	40	E84027		<0.03	<0.001		
57	41	E84028		<0.03	<0.001		
	42	E84029		<0.03	<0.001		
	43	E84030		0.06	0.002		
	44	E84031		0.06	0.002		
	45	E84032	32 - 33	0.11	0.003		
	46	E84033		<0.03	<0.001		
	47	E84034		<0.03	<0.001		
	48	E84035		0.03	0.001		
	49	E84036		<0.03	<0.001		
	50	E84037		<0.03	<0.001		
	51	E84038		<0.03	<0.001		
	52	E84039		<0.03	<0.001		
	53	E84040		0.32	0.009		
	54	E84041	0.3m 64.4 - 64.7	19.1	0.557	1020	29.746
	55	E84042		<0.03	<0.001		
	56	E84043		<0.03	<0.001		
	57	E84044		0.05	0.001		
	58	E84045	104.8 - 105.8 1.0m	0.03	0.001	26.5 g/t Ag	

ECO TECH LABORATORY LTD.
Jutta Jealouse
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CERTIFICATE OF ASSAY AK 2007-1493

Golden Dawn Minerals
310 - 260 W. Esplanade
N. Vancouver, BC
V7M 3G7

27-Sep-07

No. of samples received: 64
Sample Type: Core
Project: Swan
Submitted by: KM Dawson

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
1	E83988 38.3 – 38.7m	0.04	0.001		
2	E83989	<0.03	<0.001		
3	E83990	<0.03	<0.001		
4	E83991	<0.03	<0.001		
5	E83992	<0.03	<0.001		
6	E83993	<0.03	<0.001		
7	E83994	<0.03	<0.001		
8	E83995	<0.03	<0.001		
9	E83996	<0.03	<0.001		
10	E83997	<0.03	<0.001		
11	E83998	<0.03	<0.001		
12	E83999	<0.03	<0.001		
13	E84000 70.0 – 70.5m	<0.03	<0.001		
14	E84001	0.06	0.002		
15	E84002	<0.03	<0.001		
16	E84003	<0.03	<0.001		
17	E84004	<0.03	<0.001		
18	E84005	0.05	0.001		
19	E84006	<0.03	<0.001		
20	E84007	<0.03	<0.001		
21	E84008	<0.03	<0.001		

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27-Sep-07

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
59	E84046	0.04	0.001		
60	E84047	<0.03	<0.001		
61	E84048	<0.03	<0.001		
62	E84049	0.10	0.003		
63	E84050	0.03	0.001		
64	E84051	<0.03	<0.001		

QC DATA:

Repeat:

1	E83988	<0.03	<0.001		
10	E83997	<0.03	<0.001		
19	E84006	<0.03	<0.001		
36	E84023	<0.03	<0.001		
45	E84032	0.10	0.003		
54	E84041	19.4	0.566	1020	29.746

Resplit:

1	E83988	<0.03	<0.001		
37	E84024	<0.03	<0.001		

Standard:

OXE56	600	17.498		
OXE56	615	17.935		
Pb113			22.5	0.656

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