ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2009 DIAMOND DRILLING REPORT ON THE DEER HORN PROJECT

TOTAL COST: $1,451,859

AUTHOR(S): Bob Lane
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-1-737
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 4427968

YEAR OF WORK: 2009

PROPERTY NAME: Deer Horn

CLAIM NAME(S) (on which work was done): 520025, 529884, 529885, 545108

COMMODITIES SOUGHT: Au, Ag, Te, Mo, W

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 093E 019, 020, 021 & 045.

MINING DIVISION: Omineca
NTS / BCGS: 93E/06E
LATITUDE: 53°22'26"
LONGITUDE: 127°17'16"
UTM Zone: EASTING: NORTHING:

OWNER(S): Guardsmen Resources Inc

MAILING ADDRESS: #307 - 1497 Marine Dr., West Vancouver, BC Canada V7T 1B8

OPERATOR(S): Golden Odyssey Mining Inc

MAILING ADDRESS: #202 - 4840 Delta Street Delta, BC Canada V4K 2T6

REPORT KEYWORDS
(lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Pre-Jurassic Gamsby Group andesite, foliated quartz diorite, Eocene granodiorite, quartz-sericite alteration, veins, stockwork zones, gold, silver, tellurium, tungsten, molybdenum, copper, lead, zinc, Deer Horn Mine, Harrison Scheelite, Lindquist.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
29527, 28898, 26419, 21559, 20135, 19966, 00050.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock	38	520025, 529884	50,000
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core	1706 m in 35 NQ & HQ holes; core stored on property)	520025	1,000,000
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	660 core + 38 rock + 123 control samples	520025, 529884	40,000
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)	recce	520025, 529884, 545108	10,000
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail	7.8 km rehab; 100 m new trail, drill pads	520025, 529884, 529885	351,859
Trench (number/metres)			
Underground development (metres)			
		TOTAL COST	1,451,859

2009

DIAMOND DRILLING REPORT

ON THE

DEER HORN PROJECT

OMINECA MINING DIVISION

BRITISH COLUMBIA

NTS MAP 093E/06W
LATITUDE 53°22'26"N AND LONGITUDE 127°17'16"W
STATEMENT OF WORK EVENT #: 4427968

PREPARED FOR: **GOLDEN ODYSSEY MINING INC**
202 – 4840 DELTA STREET
DELTA, BC CANADA V4K 2T6

PREPARED BY: **BOB LANE, PGEO**
PLATEAU MINERALS CORP

DATE: **MAY 12, 2010**

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1 EXECUTIVE SUMMARY

The Deer Horn property is located in the Omineca Mining Division, approximately one hour by air south of the town of Smithers, British Columbia. The property consists of 15 MTO cell claims covering 6056 hectares and is located in the Intermontane tectonic belt of the Canadian Cordillera, adjacent to the eastern margin of the Coast tectonic belt.

In 2009 Golden Odyssey Mining Inc (Golden Odyssey) entered into a mineral property option agreement with Guardsmen Resources Inc (Guardsmen) to acquire up to a 75% interest in the Deer Horn property. Golden Odyssey completed an initial reconnaissance surface channel sampling program in July of 2009 as part of its due diligence. The company followed up with a multi-disciplinary program that ran from early September to early November 2009. This latter program included additional surface channel sampling and diamond program designed to in part verify the results from past work completed by other operators and provide additional detail to support the calculation of a 43-101 compliant resource estimate.

The Deer Horn property was the subject of three main phases of exploration in the mid-1940s, the early to mid-1950s, and 1989-1990. This early work included extensive surface trenching, more than 500 m of underground development, and more than 10,000 m of surface diamond drilling. It delineated the veins for approximately 700 m along their east-west strike and traced the mineralized system for approximately 1.5 km. The gold-silver-tellurium vein system is comprised of two principal mineralized structures, the Main vein and nearby Contact zone that are thought to coalesce with depth. The veins are spatially associated with a thrust fault that places quartz diorite and meta-volcanics of pre-Jurassic age above strata of the Lower Cretaceous Skeena Group. The veins occur mainly in foliated quartz diorite up to 250 m south of the thrust fault, and at its contact with the underlying clastic sedimentary rocks. The veins, carrying pyrite, sphalerite, galena, scheelite, pyrrhotite, chalcopyrite, and telluride minerals, have two orientations. The Main vein occurs 100 m to 250 m south of the thrust fault, generally strikes west and, where exposed at surface, dips from 20° – 45° to the north. However, underground mapping indicated that the dip of the Main vein reverses to a shallow southerly dip as it encroaches on the Contact zone. The Contact zone occupies an area immediately above and sub-parallel to the thrust fault, striking to the west and dipping 55° - 60° to the south. The veins have an apparent genetic and spatial association with an Eocene granodiorite stock.

The 2009 exploration drilling campaign was conducted over a 320 m strike length of the Deer Horn vein system to confirm, validate and expand upon the results from previous exploration efforts. A total of 35 NQ and HQ diameter diamond drillholes, with an aggregate length of 1706 m, were completed on the Deer Horn property during October and early November, 2009. Drilling targeted the two known west-trending mineralized structures, the Main Vein and Contact Zone, over a strike length of 320 m in the vicinity of the Deer Horn adit. Most of the bore holes were drilled on an azimuth of either 180 or 360 degrees, and were shallow, with lengths ranging from 23.77 m to 79.20 m. Gold and silver grades are erratic in both the Main vein and Contact zone. The highest grades of gold and silver are associated with elevated levels of tellurium, bismuth, mercury and zinc, lead and copper. Tungsten and molybdenum levels are locally elevated, but vary considerably.

Assay highlights include:

- 10.95 g/t Au, 162.4 g/t Ag and 237 g/t Te over 2.90 m (including 34.98 g/t Au, 497.0 g/t Ag and 879 g/t Te over 0.3 m) in drillhole DH09-061
- 28.83 g/t Au, 890.4 g/t Ag and 665 g/t Te over 2.05 m (including 51.00 g/t Au, 1573.3 g/t Ag and 1188 g/t Te over 1.05 m) in drillhole DH09-068
- 3.43 g/t Au, 108.0 g/t Ag and 117 g/t Te over 28.16 m (including 27.60 g/t Au, 718.1 g/t Ag and 863 g/t Te over 0.75 m, and including 12.39 g/t Au, 393.4 g/t Ag and 409 g/t Te over 2.40 m) in drillhole DH09-072
- 7.39 g/t Au, 339.8 g/t Ag and 251 g/t Te over 3.26 m (including 10.75 g/t Au, 469.5 g/t Ag and 369 g/t Te over 2.10 m) in drillhole DH09-077
- 11.46 g/t Au, 298.2 g/t Ag and 203 g/t Te over 2.50 m (including 40.40 g/t Au, 979.3 g/t Ag and 671 g/t Te over 0.30 m) in drillhole DH09-088
- 12.17 g/t Au, 441.4 g/t Ag and 292 g/t Te over 2.26 m (including 29.90 g/t Au, 1014.1 g/t Ag and 737 g/t Te over 0.70 m) in drillhole DH09-092.

It is recommended that a Phase 2 exploration program proceed in 2010 that includes: in-fill/definition diamond drilling on the central parts of the Main Vein and Contact Zone; step-out diamond drilling to test possible extensions to the vein system as suggested by geophysical signatures; detailed structural and geological mapping of surface exposures and of the underground workings to assist in identifying additional targets; prospecting of talus slopes to the west of the Deer Horn adit; and extension of the geophysical surveys initiated in 2009. The estimated cost for the proposed Phase 2 program is between $2 million and $3 million.

2 INTRODUCTION

The Deer Horn property is located in the Omineca Mining Division, approximately one hour by air south of the town of Smithers, British Columbia. The property consists of 15 MTO cell claims covering 6056 hectares and is located in the Intermontane tectonic belt of the Canadian Cordillera, adjacent to the eastern margin of the Coast tectonic belt.

Golden Odyssey Mining Inc (Golden Odyssey) optioned the Deer Horn property on August 13, 2009 with Guardsmen Resources Inc (Guardsmen), a private mineral exploration company based in Surrey, BC. Golden Odyssey completed an initial reconnaissance program in July 2009 to verify historical surface geochemical sample results. Positive results prompted the company to proceed with a multi-disciplinary program that ran from early September to early November 2009. This latter program included additional surface channel sampling, access rehabilitation, diamond drilling, and geophysical surveying.

The author of this report supervised and participated in the 2009 exploration surface sampling and diamond drilling programs that took place in July 2009 and from September 25 to November 3, 2009. This report presents and summarizes the data acquired during the 2009 field season and was written at the request of Golden Odyssey by the author of this report, Bob Lane, PGeo.

2.1 LOCATION AND ACCESS

The Deer Horn property is situated immediately north of Lindquist Lake, about 135 km southwest of the community of Burns Lake and 36 km south of the Huckleberry mine, in west-central British Columbia (Figure 1). The property is located on BCGS map 093E.034 and centered at approximately 614000E, 5914000N (Zone 9, NAD 83) or on NTS Map 93E/6W and centered at Latitude 53°21′43″ N and Longitude 127°17′19″ W.

Access to the site is via helicopter, float plane or barge. Helicopter and float plane bases are located in numerous nearby communities that lie to the north, such as Houston, Burns Lake and Smithers; and flight times to the property are typically one hour or less. The communities of Bella Coola and Kitimat, which lie to the west, are also about a one hour flight from the property.

Transportation to the property by barge would facilitate the most cost-effective means of delivering heavy equipment to the property. The barge would depart from Andrews Bay or the East Ootsa logging camp on Ootsa Lake to the south end of Whitesail Lake. An overgrown 7.8 km dozer trail extends from the barge landing to the area of interest in the alpine. The principal showings of interest, including the Deer Horn adit, are at an elevation of about 1300 m.

2.2 PHYSIOGRAPHY AND CLIMATE

The climate of the Deer Horn property is typical of north-central of British Columbia. Summer temperatures average daytime highs in the 20°C range with occasional temperatures reaching the low 30°C range. October through April see average subzero temperatures with extreme lows reaching -30°C from November through March.

The Deer Horn property is located on the edge of the Coast Range and topography is fair to relatively rugged. Elevation on the property ranges from approximately 865 meters at Kenney Lake to 1788 meters on Lindquist Peak. The Deer Horn workings are primarily located above treeline on the southeastern slope of Lindquist Peak, north of Lindquist Lake.

The predominant soil development is humo-ferric podzols. The bioclimatic zone varies from Spruce-Subalpine Fir with leading growth of pine, popular and spruce; this gives way to Alpine Tundra marked by stunted juniper, sedges and grasses at higher elevations. Seepages are widespread, notable by thick peat accumulations and an undergrowth of mountain alder.

There is an ample water supply for all exploration and camp requirements from numerous drainages that are fed by a snow pack that remains at higher elevations year-round, particularly on the north facing slopes. Snow begins to accumulate by late-September and the lakes are frozen throughout the winter months. The summer months are highly influenced by coastal weather. The most dependable weather forecasts for the property are those issued for the town of Kitimat.

2.3 PROPERTY STATUS AND OWNERSHIP

The Deer Horn property is comprised of 15 MTO cell mineral claims that are registered 100% in the name of Guardsmen Resources Inc. The 15 claims are contiguous and cover approximately 6056.38 hectares in the Omineca Mining Division of British Columbia. The mineral claims that comprise the Deer Horn property are listed in Table 1 and shown in Figure 2.

Golden Odyssey Mining Inc (Golden Odyssey) entered into a mineral property option agreement dated August 13, 2009 with Guardsmen Resources Inc. Under the terms of the agreement, Golden Odyssey can acquire up to a 75% interest in and to certain mineral claims known as the Deer Horn property, located in the Omineca Mining Division, British Columbia. The terms of the agreement stipulate that a 50% interest in the Deer Horn property will be acquired upon Golden Odyssey having spent $5,000,000 in work expenditures on the property within 4 years, with $400,000 of work expenditures required to be spent by August 12, 2010. After Golden Odyssey acquires its 50% interest in the Deer Horn property, an additional 25% interest may be acquired upon Golden Odyssey paying the costs required to bring the property to commercial production. The cost of the exploration program completed by Golden Odyssey in 2009 exceeds the amount required for the first year of the agreement and contributes significantly to the 4-year obligation.

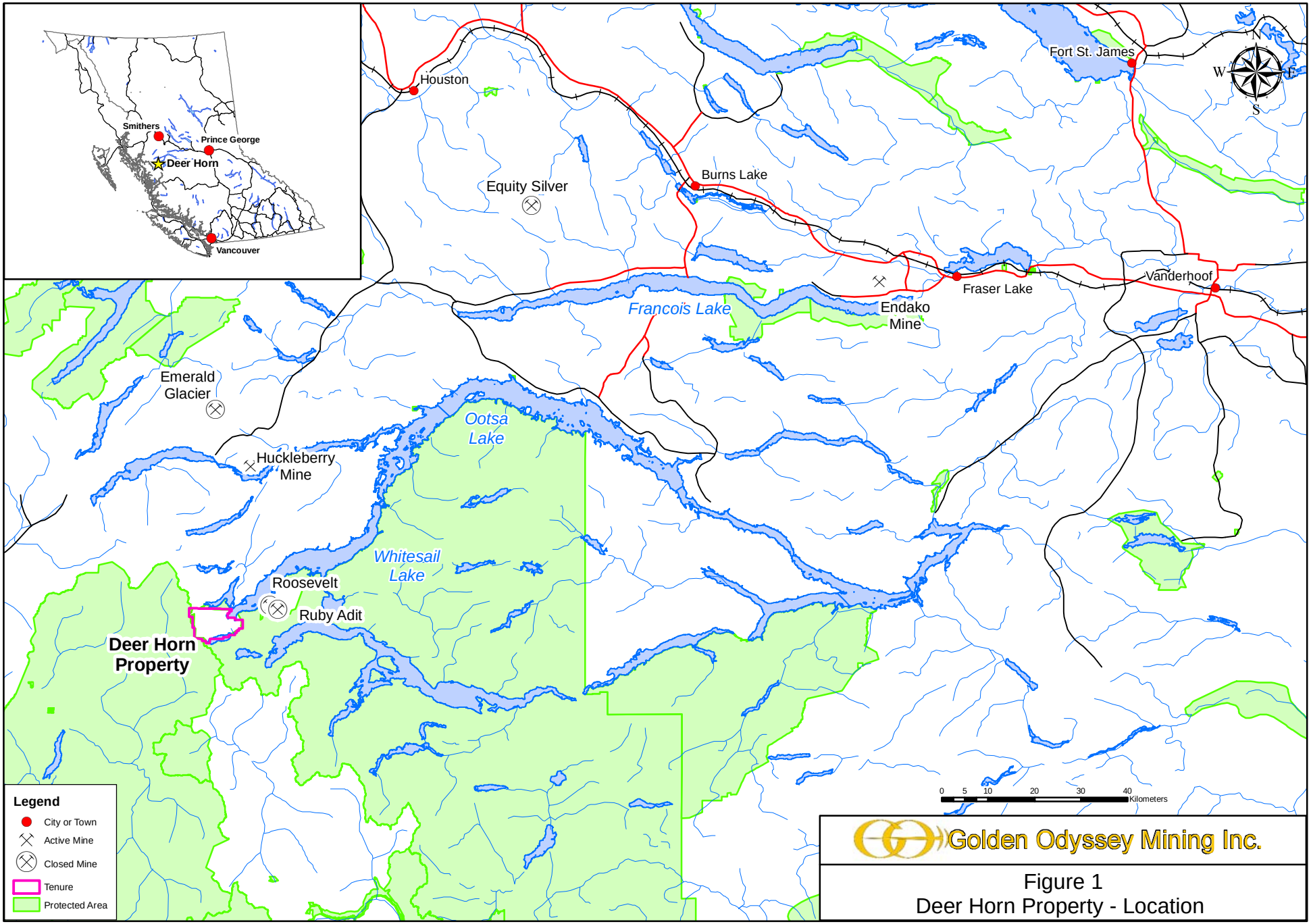
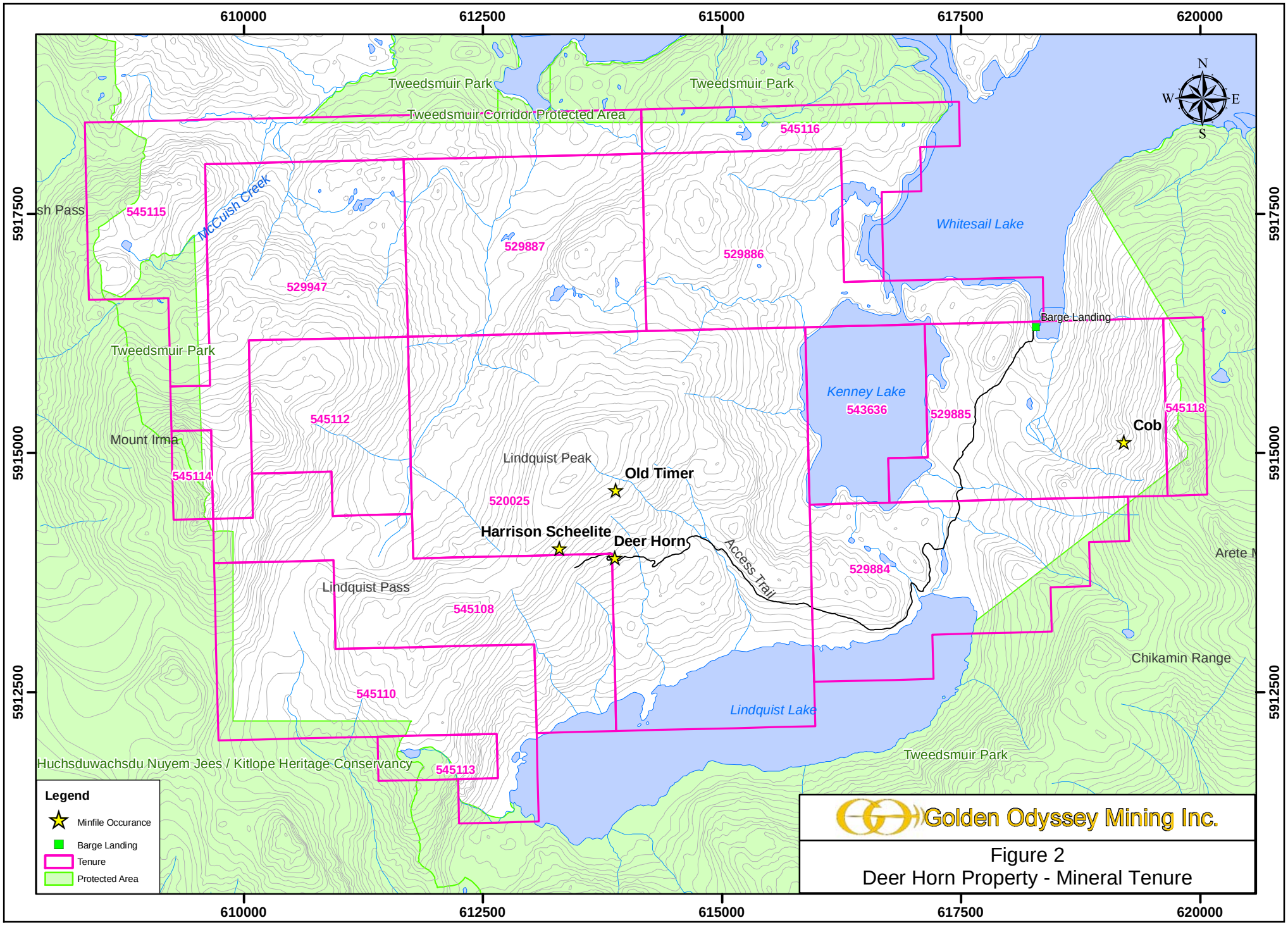


Figure 1
Deer Horn Property - Location


610000
612500
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5915000
5912500
N
S
E
W
Tweedsmuir Park
Tweedsmuir Park
Tweedsmuir Corridor Protected Area
545116
545115
McCuish Creek
529887
529886
529947
Whitesail Lake
Barge Landing
Tweedsmuir Park
Kenney Lake
543636
529885
545118
Cob
545112
Mount Irma
Lindquist Peak
Old Timer
545114
520025
Harrison Scheelite
Deer Horn
Access Trail
529884
Lindquist Pass
545108
Chikamin Range
545110
Lindquist Lake
Huchsduwachsdu Nuyem Jees / Kitlope Heritage Conservancy
Tweedsmuir Park
545113
Legend
Minfile Occurance
Barge Landing
Tenure
Protected Area
Golden Odyssey Mining Inc.
Figure 2
Deer Horn Property - Mineral Tenure

Table 1: Deer Horn Property Mineral Tenure

Tenure Number	Claim Name	Mining Division	BCGS Mapsheet	Status (Good Standing Date)	Area (Hectares)
520025		Omineca	093E.034	2010/Nov/15	1350.55
529884	DEERHORN 1	Omineca	093E.034	2009/Nov/10	463.13
529885	DEERHORN 2	Omineca	093E.034	2009/Nov/10	482.26
529886	DEERHORN 3	Omineca	093E.034	2009/Nov/10	482.08
529887	DEERHORN 4	Omineca	093E.034	2009/Nov/10	462.78
529947	DEERHORN 5	Omineca	093E.034	2009/Nov/12	482.1
543636	DEER HORN 2006	Omineca	093E.034	2009/Nov/19	212.19
545108	DEER HORN WEST	Omineca	093E.034	2009/Nov/10	482.43
545110	DEER HORN SOUTHWEST	Omineca	093E.034	2009/Nov/10	482.52
545112	DEER HORN NORTHWEST	Omineca	093E.034	2009/Nov/10	270.06
545113	DEER HORN SOUTH FRACTION	Omineca	093E.034	2009/Nov/10	57.19
545114	DEER HORN GLACIER FRACTION	Omineca	093E.034	2009/Nov/10	38.58
545115	DEER HORN NORTH	Omineca	093E.034	2009/Nov/10	482
545116	DEER HORN NORTHEAST	Omineca	093E.034	2009/Nov/10	231.35
545118	DEER HORN MOLY	Omineca	093E.034	2009/Nov/10	77.16

3 EXPLORATION HISTORY

The Deer Horn property, or Harrison property as it was originally known, was first staked in 1943 by the Harrison brothers following their discovery of scheelite in talus about one km southwest of Lindquist Peak. Discovery of nearby gold and silver bearing veins was made in 1944 by Franc Joubin (Joubin, 1950). Four phases of mechanical exploration have taken place on the Deer Horn property since it was first staked. Pioneer Gold Mines of BC Limited (Pioneer) optioned the property in 1944 and completed extensive trenching and 3822 m of diamond drilling until allowing its option to lapse in 1946. The property was inactive from 1947 until 1951 when newly formed Deer Horn Mines Limited purchased the Harrison property outright. It explored the property from 1951 to 1955. During that period the company

constructed a road from the shores of Whitesail Lake to the property and developed an exploration adit and conducted underground and surface diamond drilling. Field work in support of a Masters Thesis on the geology of the deposit was also completed during this time (Papezik, 1957). In 1967, Granby Consolidated Mining, Smelting and Power optioned the property and completed further road work and extensive machine trenching. The property reverted to the Crown in 1975 and was the subject of possible addition to Tweedsmuir Provincial Park. A temporary 'No Staking Reserve' covered the area. The 'No Staking Reserve' was lifted in 1989 and the creation of specific enclaves in the north Tweedsmuir Provincial Park area were created to allow claim staking and exploration to recommence in areas regarded to be highly prospective. In 1989, the British Columbia Government put part of the area, which covered what was then 'parceled' claims XK1214, XK1414 and XK1412, as well as an additional three claims located immediately to the west, up for bid. The six claims covered a total of 24 square km including the prospective Deer Horn vein system and were awarded to Golden Knight Resources Inc (Golden Knight). The surrounding ground was made available for one-post staking and twelve claims were acquired by Michael Renning and Scott Gifford, the principals of Guardsmen Resources Inc (Guardsmen). Ownership of the twelve claims was later transferred to Guardsmen. Modest geophysical and geochemical programs were conducted on some of these peripheral claims in 1990 by Amber Minerals Ltd on behalf of Guardsmen.

Through 1989 and 1990 Golden Knight carried out extensive exploration programs that included: prospecting; geological mapping and sampling; grid-based soil geochemical sampling; VLF and magnetometer surveying; rehabilitation, mapping and chip sampling of the underground workings; 4521 m of surface diamond drilling; environmental water sampling and preliminary metallurgical testing. The Golden Knight work was the last mechanical exploration to occur on the property. A summary of the diamond drilling programs is presented in Table 2.

Golden Knight's work focused entirely on the Main vein and Contact zone areas. In addition to confirming the results of the earlier programs, the company identified excellent potential for the continuation of the system to the west and outlined the potential for economic bulk tonnage gold-silver mineralization in the central part of the property. Drill hole 90-57, one of the last holes drilled by Golden Knight, encountered high grades of gold and silver toward the western end of the vein system. Drill hole 90-57 was located approximately 210 m west of the adit entrance and intersected 11.2 m averaging 14.36 g/t Au, 781.5 g/t Ag, including a 3.0 m interval that graded 37.73 g/t Au and 2065 g/t Ag.

Repadre Capital acquired the assets of Golden Knight in 1990, but sold the claims to Guardsmen in 2000. In that year, Guardsmen completed a modest field review of the property, and in 2005 converted all of its legacy claims to modern MTO cell mineral claims. Christopher James Gold Corp (Christopher James) optioned the property from Guardsmen in 2006 and in 2006-2007 conducted a reconnaissance geochemical sampling program over several areas of the property. Christopher James later dropped its option and the property reverted back to Guardsmen.

Table 2: Summary of Historical Drilling, Deer Horn Property

Company	Hole Designation	Year	# of Holes	Metres Drilled
Pioneer Gold Mines of BC Limited	XR-	1944-1946	30	3,822
Deer Horn Mines Limited	DDH-	1951-1955	37	2,042
Golden Knight Resources Inc	89- 90-	1989 1990	31 29	2,253 2,268
Total			127	10,385

3.1 PIONEER GOLD MINES OF B.C. LIMITED

In 1944 Pioneer Gold Mines of B.C. Limited (Pioneer) optioned the Deer Horn property and built a pack trail from the south shore of Whitesail Lake to the property (Holland, 1945). From 1944 to 1946 Pioneer completed limited surface sampling and a total of 3822 m of surface diamond drilling on the Main vein. This work determined that the vein was faulted into a series of disjointed vein segments that dip gently to the north. The Main vein was traced down-dip for approximately 45 m where it met the Contact zone or vein, a series of narrow stringers and quartz veins up to 1.2 m across that dip 55° to the south (Duffell, 1959).

Pioneer outlined eight segments or panels of the Main vein that ranged in dimension from 7.6 m long by 1.3 m wide with an estimated average grade of 7.44 g/t Au and 54.9 g/t Ag to 82 m long by 3.3 m wide with an estimated average grade of 10.08 g/t Au and 281.1 g/t Ag (Holland, 1946; Duffell, 1959). Despite promising results, Pioneer Gold Mines was unable to meet the financial obligations of its option and, following the 1946 field season its option on the property was allowed to lapse (Joubin, 1950).

Little exploration took place between 1947 and 1950, but the central part of the property was geologically mapped in 1950 by Joubin (1950).

3.2 DEER HORN MINES LIMITED

The Deer Horn property was purchased by Deer Horn Mines Limited (Deer Horn Mines) in 1951. In 1952 the company embarked on a program of trench rehabilitation, re-examining drill core and other surface works. During the period 1953 to 1955 the company constructed a road from the shores of Whitesail Lake to the property and completed 913.5 m of surface diamond drilling (Bacon, 1956). Drill results from a segment of the Main vein (location unknown) measuring 180 m long, averaging 3.4 m wide and traced for 60 m down dip averaged 9.70 g/t Au and 284.6g/t Ag (results reported in the August 1953 edition of the *Western Miner*). Assay results for individual drill holes were compiled by Golden Knight, but the exact location of the drill collars could only be estimated (Folk, 1990a).

Underground development took place in 1954 and 1955 consisting of 589.8 m of drifting and raising, and 1129 m of underground diamond drilling (Duffell, 1959). Results and plans from this early work are

missing (although later assessment of the underground workings by Golden Knight provides the most current information). The first 120 m of the horizontal adit was developed along an azimuth of approximately 308° and intersected a segment of the Main vein twice, a shallow north dipping vein at the portal and a shallow south dipping vein. The adit intersected the Contact zone at a distance of 102 m from the portal and was extended a further 18 m into the footwall sedimentary rocks. At the 102 m mark, drifting followed the trend of the Contact zone along an azimuth of approximately 270°. Results of underground sampling are discussed below.

In 1952, Deer Horn Mines investigated the area of scheelite mineralization first discovered by the Harrison brothers in 1943. The tungsten showing consists of anomalous talus and bedrock near the contact between stratified rocks of the Hazelton Group and the Coast intrusions (Diakow and Koyanagi, 1987b). Deer Horn Mines identified an area measuring 485 m by 50 m wide that averaged 0.34% WO_3 (Duffell, 1959) through systematic sampling of the talus. A single trench excavated through the talus did encounter scheelite mineralization in bedrock. No further work was conducted on the occurrence.

3.3 THE GRANBY MINING COMPANY LIMITED

In 1967 The Granby Mining Company Limited (Granby) optioned the Deer Horn property from Deer Horn Mines Limited and built 2.4 km of access road, completed 15 dozer trenches totaling 1.5 km, and conducted limited geological mapping (MEMPR AR, 1967). The company completed no further work and the property reverted to the province in 1975. The results of Granby's work was not located by the author, therefore the company's work has not contributed to the understanding of the geology or mineralization of the property.

3.4 GOLDEN KNIGHT RESOURCES INC

Golden Knight Resources Inc (Golden Knight) embarked on an extensive exploration program following acquisition of the property on July 10, 1989, that included: establishment of a 3 km by 1 km grid over the principal area of interest; collection of 2090 soil geochemical samples; a VLF and magnetometer survey over half of the grid area; prospecting, bedrock mapping and sampling; rehabilitation, surveying, mapping and chip sampling of underground workings; and completion of 31 surface diamond drill holes totaling 2253 m (Folk, 1990a). Golden Knight's work focused entirely on the Contact zone and Main vein.

The 1989 drilling intersected a number of narrow, high-grade veins (i.e. 93.5 g/t Au and 1480 g/t Ag over 0.3 m in hole 89-07), generally regarded to be stringer zones in the hangingwall of the Contact zone (Folk, 1990a). However, and perhaps more importantly, the 1989 drilling also identified the previously unrecognized potential for bulk tonnage gold mineralization of the Contact zone as evidenced by a 42.53m intersection averaging 2.88 g/t Au and 84.68 g/t Ag in hole 89-02 collared near the Deer Horn adit (Folk, 1990a).

Chip sampling of Main vein mineralization, exposed in two areas in the first 70 m of the adit, returned erratic, but potentially economic results, ranging from 0.006 oz/t Au and 0.35 oz/t Ag over 1.2 m to 1.037 oz/t Au and 22.75 oz/t Ag over 1.1 m (Folk, 1990a). Sampling of the vein material in the remainder of the underground workings, mainly developed along and/or parallel to the Contact zone, returned poor

results. One exception was a 2.55 m wide chip sample of Contact zone vein mineralization collected from a raise 210 m from the portal (Folk, 1990b). Golden Knight concluded that at the time of underground development the geometry of the Contact zone was not well understood and, as a consequence, most of the Deer Horn adit was driven along veins essentially barren of gold-silver values.

In 1990, Golden Knight continued with its surface diamond drilling program completing 29 more holes for an aggregate length of 2268 m. One of the last 1990 holes, collared approximately 210 m west of the portal, encountered significant grades of gold and silver with elevated base metal values. The 11.2 m intersection averaged 14.36 g/t Au, 781.5 g/t Ag, 0.40% Cu, 0.24% Pb and 1.02% Zn, including a 3.0 m interval that graded 37.73 g/t Au and 2065 g/t Ag. Over the two years Golden Knight drilled 60 holes totaling 4521 m. This work, together with drilling data from the earlier programs, outlined a 400 m long south-dipping and shallow eastward plunging component of the Contact zone that is open to the east and to the west as well as down-plunge (Folk, 1990b).

3.5 AMBER MINERALS LTD

In 1990, a limited VLF-EM, magnetometer and reconnaissance biogeochemical sampling program and a later follow-up prospecting program, was conducted on ground adjoining and immediately east of the Deer Horn property. The work was completed by Amber Minerals Ltd (Coffin and Renning, 1990; Renning, 1990) on behalf of Guardsmen. The program outlined weak northeast trending linear features and anomalous levels of molybdenum and zinc in a 20 sample biogeochemical survey.

3.6 GUARDSMEN RESOURCES INC

In the year 2000, IMAP Interactive Mapping Solutions conducted a brief field program on behalf of Guardsmen. The primary focus of this work was to examine gold- and silver-bearing quartz-sulphide veins near the Deer Horn adit and in the Lindquist Peak area. Work conducted included geological mapping and sampling. A total of 24 rock samples were collected for geochemical analysis (Kaip and Childe, 2000). This work confirmed the results of earlier surface sampling.

3.7 CHRISTOPHER JAMES GOLD CORP

In 2006, Guardsmen optioned the Deer Horn property to Christopher James Gold Corp. Modest prospecting and geochemical exploration programs were conducted by Guardsmen on behalf of Christopher James in 2006 and 2007. The programs included clearing of a section of the access road from a temporary camp at Lindquist Lake, reconnaissance soil, silt and rock sampling in four areas, and an attempt to relocate core from the 1989 and 1990 drilling campaigns (Renning et al., 2007; Renning, 2008). The geochemical sampling program targeted areas west, northwest and south of the Deer Horn adit, and east, west and southwest of Kenney Lake. Results included a strong gold, silver, arsenic, lead, cesium coincident soil geochemical anomaly west of the adit; impressive molybdenum silt anomalies (148 ppm Mo and 60.7 ppm Mo) west of Kenney Lake where several creeks drain gossanous, sedimentary rock bluffs east of Lindquist Peak, and; a number of rock and silt samples anomalous in molybdenum collected southwest of Kenney Lake, where fine-grained molybdenum occurs in quartz veinlets, along fractures, and as disseminations in andesite grading up to 1350 ppm Mo (Renning, 2008).

4 REGIONAL GEOLOGY

Regional mapping of the Whitesail Lake region was conducted by the Geological Survey of Canada (GSC) between 1947 and 1952 (Duffell, 1959) and later by G. Woodsworth (1979, 1980). The most recent regional mapping on and around the Deer Horn property was conducted as part of the Canada/British Columbia Mineral Development Agreement by Diakow and Koyanagi (1988a and 1988b) of the British Columbia Geological Survey Branch. This work was later compiled with previous regional bedrock mapping data to form a digital geology map for the province. The latter forms the base for the regional geology of the Deer Horn area presented in Figure 3. However, 1:50,000 scale mapping of the Deer Horn property by Diakow and Koyanagi (1988b) is also presented (Figure 4) because it portrays subtle, but potentially important differences in the location of a thrust fault that plays a major role in controlling the distribution of vein mineralization on the property. The following description of the regional geology of the area is based on these works.

The Deer Horn property is located in the Intermontane tectonic belt of the Canadian Cordillera, adjacent to the eastern margin of the Coast tectonic belt. The oldest rocks exposed in the area consist of mafic volcanic and volcaniclastic strata of the Pre-Jurassic Gamsby Group, exposed on the west end of Lindquist Lake, and a quartz diorite of Pre-Jurassic age exposed on the southwest flank of Lindquist Peak, from the Deer Horn adit in the north, to the shores of Lindquist Lake in the south (figures 3 and 4). Both units are regionally metamorphosed to greenschist facies and exhibit a strong penetrative foliation.

The Pre-Jurassic quartz diorite and mafic volcanics of the Gamsby Group are thrust over sedimentary and volcanic strata of the Lower Cretaceous Skeena Group and over maroon volcanic strata of the Lower to Middle Jurassic Telkwa Formation (Hazelton Group). The thrust is west–trending, and west of the Deer Horn adit, is offset by a later northeast trending fault. Development of the thrust fault postdates deposition of the Lower Cretaceous Skeena Group and predates an Eocene granodiorite intrusion which invades the structure east of the Deer Horn adit and underlies much of the area around Lindquist Lake. The granodiorite is in intrusive contact with the foliated quartz diorite and with strata of the Gamsby and Skeena groups. Northwest of the Deer Horn adit, Lower Cretaceous and older strata are intruded by Late Cretaceous to Eocene granodiorite and quartz diorite of the Coast tectonic belt. The foliated quartz diorite, Gamsby Group and Skeena Group strata are also cut by felsic dykes related to the main granodiorite body.

5 PROPERTY GEOLOGY

The Deer Horn property was first geologically mapped by Franc Joubin on behalf of Deer Horn Mines (Joubin, 1950); this information was provided to S. Duffell of the Geological Survey of Canada (GSC) who included a version of the map in GSC Memoir 299 (Duffell, 1959). The central part of the property was mapped in detail by Golden Knight in 1989. Results of this work are available in Folk (1990a) and the central part is presented in Figure 5 with modifications after Childe and Kaip (2000).

The property is underlain predominantly by foliated quartz diorite and meta-volcanic rocks of the pre-Jurassic Gamsby Group, that have been thrust over a package of sedimentary rocks of the Late Cretaceous

Skeena Group (Duffell, 1959). Eocene granodiorite and related dykes intrude the older rocks (Diakow and Koyanagi, 1988a). The northern and central portion of the property are composed of lower Jurassic Telkwa Formation (Hazelton Group) intermediate volcanic flows and lithic tuffs, which are overlain by lower Cretaceous intermediate to felsic lapilli tuff and by lower Cretaceous Skeena Group grey-black sedimentary units grading from argillite through silts and sandstone.

METAMORPHIC ROCKS

PRE-JURASSIC GAMSBY GROUP

Metavolcanic Rocks

Medium greenish-grey intermediate to mafic tuffs, flows and schists associated with a dioritic intrusion comprise the Gamsby Group (Woodsworth, 1978) and cover a limited area of the property west and south of Lindquist Lake. The rocks have been regionally metamorphosed to greenschist facies and commonly contain ubiquitous albite, epidote and chlorite (Diakow and Koyanagi, 1988a). Deformation of the strata is defined by a pronounced foliation and local shearing. The diorite, whose contact with the metavolcanic rocks may be a fault occurs in the lower levels of the succession (Diakow and Koyanagi, 1988a).

LOWER JURASSIC TELKWA FORMATION (HAZELTON GROUP)

Maroon Volcanics

Well-layered maroon pyroclastic rocks (primarily crystal-lapilli tuff and ash tuff) and lava flows of the Telkwa Formation occupy a large area of the Deer Horn property north and northwest of Lindquist Peak. The unit is characterized by its maroon to red and locally green colour and its distinctly bedded nature (Diakow and Koyanagi, 1988a). Rocks of the Telkwa Formation are primarily in fault contact with younger rocks of the Skeena Formation and, in the northwest part of the property, are cut by granodiorite.

SEDIMENTARY ROCKS

CRETACEOUS SKEENA GROUP

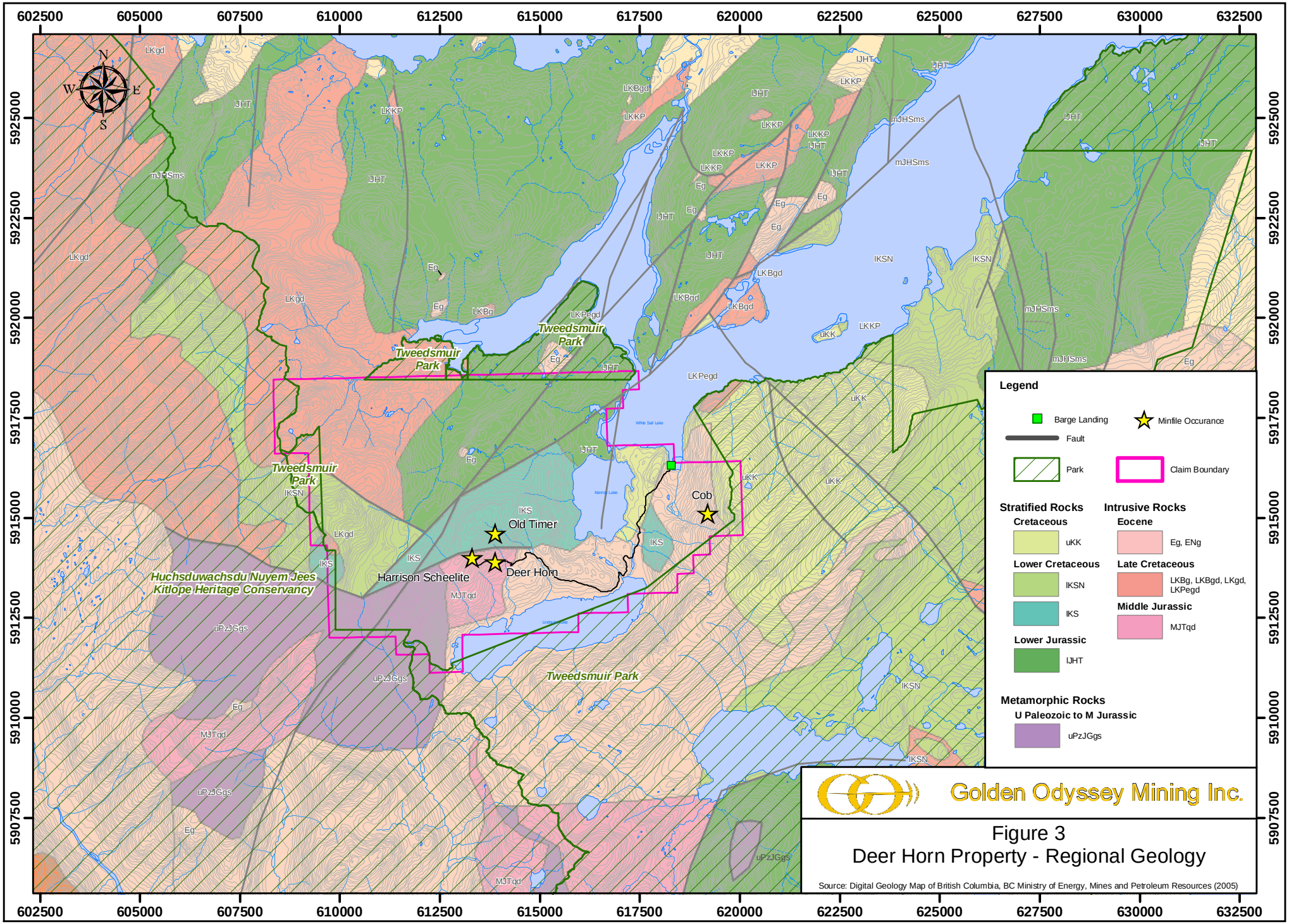
Sedimentary strata of the Skeena Group were divided into four main units by Folk (1990a). Each unit is based on its predominant lithology, but the units appear to grade into one another. Tops were not determined and therefore the units are listed in structural sequence from highest to lowest.

Quartzite

Quartzite was observed in outcrop, in drill core and in the underground workings (Folk, 1990a). It is fine-grained, pale grey to pale yellow-grey and very siliceous. Outcrops are blocky in appearance and the rock weathers to a light, off-white color with rusty tones. Very fine-grained pyrite occurs as disseminations and in fractures. This unit was mapped by Papezik as aplite and feldspathic quartzite (Papezik, 1957).

Green-Brown Greywacke

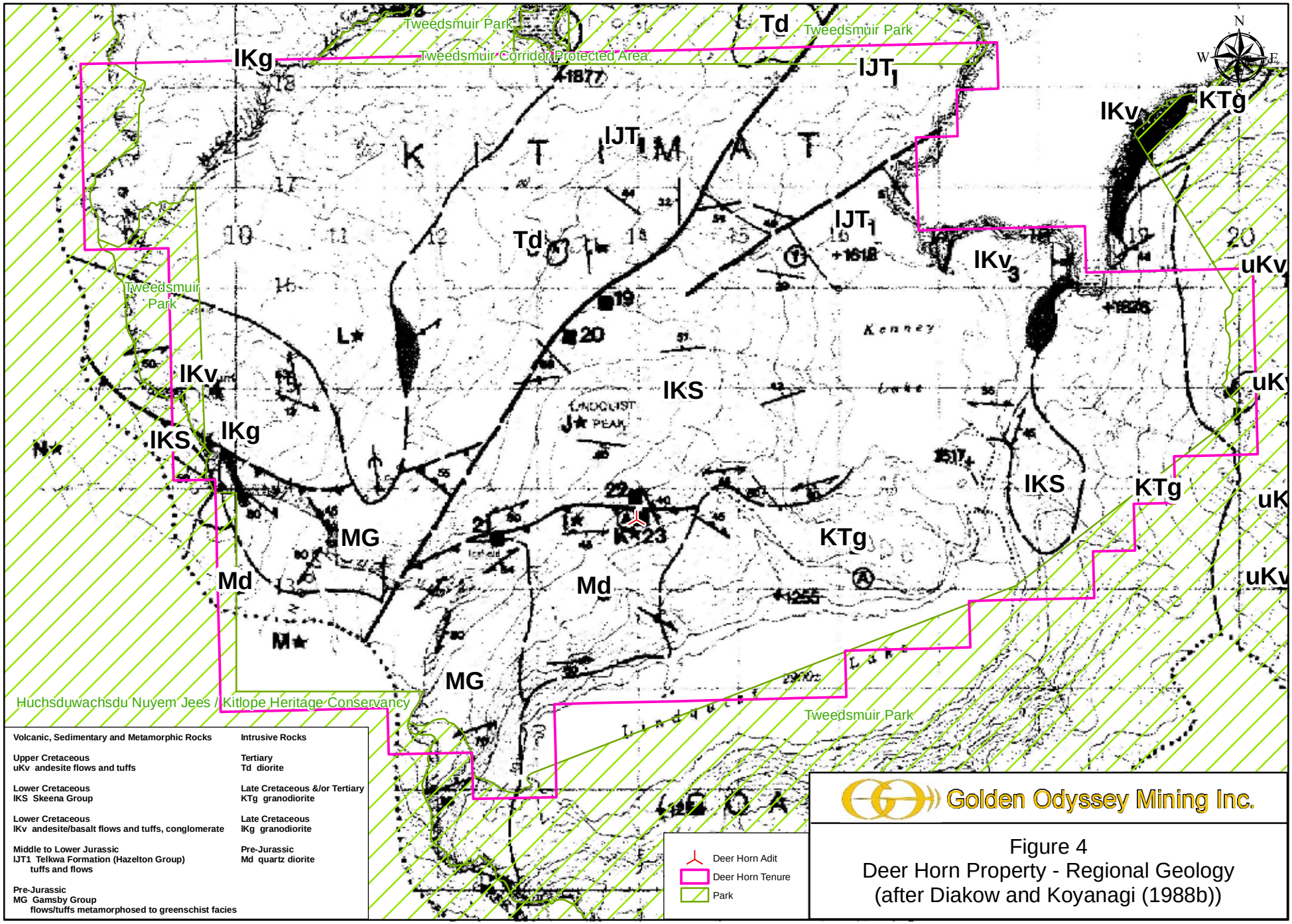
'Greywacke' includes several lithologies that lie between the quartzite and underlying argillite. The dominant lithology is a medium greenish grey to greyish brown, slightly schistose wacke, which weathers to a light greenish brown color. Minor amounts of mudstone and very fine grained arkose are included in this unit. In drill core it is fine grained, medium grey to brownish grey and locally has a light green tone Folk, 1990a).

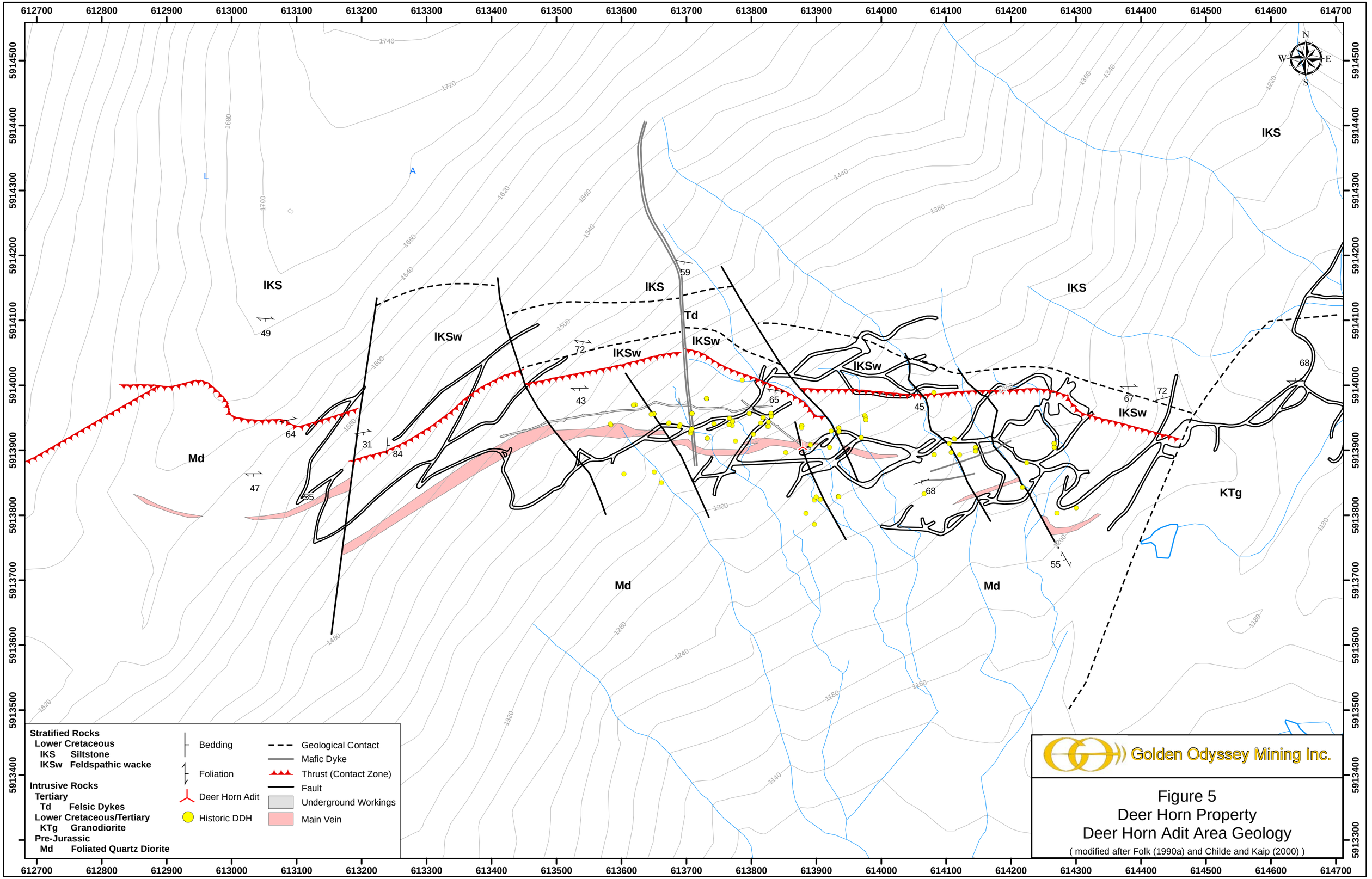


Golden Odyssey Mining Inc.

Figure 3
Deer Horn Property - Regional Geology

Source: Digital Geology Map of British Columbia, BC Ministry of Energy, Mines and Petroleum Resources (2005)


Tweedsmuir Park
Tweedsmuir Corridor Protected Area
Tweedsmuir Park
Tweedsmuir Park
Huchsduwachsdu Nuyem Jees / Kitlope Heritage Conservancy
Tweedsmuir Park
lKg
Td
IJT1
lKv
KTg
uKv
lKv3
lKS
lKg
MG
Md
KTg
Volcanic, Sedimentary and Metamorphic Rocks
Upper Cretaceous
uKv andesite flows and tuffs
Lower Cretaceous
lKS Skeena Group
Lower Cretaceous
lKv andesite/basalt flows and tuffs, conglomerate
Middle to Lower Jurassic
IJT1 Telkwa Formation (Hazelton Group)
tuffs and flows
Pre-Jurassic
MG Gamsby Group
flows/tuffs metamorphosed to greenschist facies
Intrusive Rocks
Tertiary
Td diorite
Late Cretaceous &/or Tertiary
KTg granodiorite
Late Cretaceous
lKg granodiorite
Pre-Jurassic
Md quartz diorite
Deer Horn Adit
Deer Horn Tenure
Park
Golden Odyssey Mining Inc.
Figure 4
Deer Horn Property - Regional Geology
(after Diakow and Koyanagi (1988b))


612700 612800 612900 613000 613100 613200 613300 613400 613500 613600 613700 613800 613900 614000 614100 614200 614300 614400 614500 614600 614700
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N W E S
IKS
IKSw
Td
Md
KTg
49 64 47 31 84 55 59 72 43 65 45 67 72 68 68 55
Stratified Rocks
Lower Cretaceous
IKS Siltstone
IKSw Feldspathic wacke
Intrusive Rocks
Tertiary
Td Felsic Dykes
Lower Cretaceous/Tertiary
KTg Granodiorite
Pre-Jurassic
Md Foliated Quartz Diorite
Bedding
Foliation
Deer Horn Adit
Historic DDH
Geological Contact
Mafic Dyke
Thrust (Contact Zone)
Fault
Underground Workings
Main Vein
Golden Odyssey Mining Inc.
Figure 5
Deer Horn Property
Deer Horn Adit Area Geology
(modified after Folk (1990a) and Childe and Kaip (2000))

Generally it contains small, white, anhedral quartz specks, which are less than 5mm in diameter. The rock is weakly to strongly silicified and the abundance of quartz specks tends to increase with silicification. It is often weakly foliated and locally contains small (<5mm diameter), dark, well-rounded clasts. Where silicification is intense, the greywacke and quartzite are indistinguishable (Folk, 1990a).

Argillite

Argillite is black, thinly laminated and displays a phyllitic sheen. It weathers a dark rusty brown. The unit is locally metamorphosed to andalusite schist. The schist contains approximately 10% randomly orientated metacrysts of andalusite, less than 3mm in length and largely altered to translucent white sericite. In drill core it is well-indurated, black to dark brown with local beige and green laminae (Folk, 1990a).

Feldspathic Greywacke

Feldspathic greywacke is a fine-grained, medium to dark grey rock with a very dense appearance. Fine translucent white feldspar grains are visible with a hand lens. Outcrops weather to a grainy, often pitted buff colored surface. The rock breaks with a fairly sharp and slightly concoidal fracture. Feldspathic greywacke outcrops on Lindquist Peak, but was not encountered in drillholes or underground in the adit (Folk, 1990a).

INTRUSIVE ROCKS

Pre-Jurassic Quartz Diorite

Quartz diorite, spatially associated with pre-Jurassic metavolcanic rocks, underlies much of the central area of interest and is seen in drill core, surface outcrops and underground workings where it has been highly altered. It occurs in outcrops that extend from the Deer Horn adit in the north to within 100 meters of the shore of Lindquist Lake in the south. It is dominantly pale to dark green, fine to medium grained and weakly to strongly foliated. It consists of plagioclase, quartz, and 10-35% hornblende that is altered almost completely to chlorite. The foliation is best developed proximal to the thrust that places quartz diorite over younger sedimentary and volcanic strata. Foliated quartz diorite is the principal host to the Deer Horn vein system.

Cretaceous and/or Tertiary Granodiorite

Granodiorite is buff-coloured, medium- to coarse-grained and equigranular to porphyritic. It forms large, pale grey outcrops which underlie the southeast corner of the property. It is composed of quartz, plagioclase, orthoclase and accessory biotite, which is altered in part to chlorite. The contact between granodiorite and quartz diorite was observed to be gradational over a distance of about 40 m (Folk, 1990a).

Felsic Dykes

Felsic dykes are light greenish grey, fine grained and moderately siliceous. They are composed of plagioclase with minor quartz and orthoclase (Papezik, 1957). Outcrops weather light beige to locally medium brown and are locally display small spots of iron oxide. The dykes are commonly amygdaloidal

with calcite filling cavities (Folk, 1990a). The unit was also mapped as felsite and as albitite by previous workers.

Mafic Dykes

Mafic dykes, typically less than 1 m in width, are dark greenish grey and contain very fine (<1 mm diameter) feldspar phenocrysts and finely disseminated magnetite. Mafic dykes were encountered both on surface and in drill core. The unit was also mapped as 'trap' and hornblende latite (Papezik, 1957).

CATACLASTIC ROCKS

Perthite-Quartz Cataclastite

This rock unit is adopted from the work of Papezik (1957). No surface outcrops were noted, but it was encountered locally in the underground workings and in some drillholes. It is described as spotty grey to greenish grey with rounded to subangular clasts of quartz and feldspar embedded in a matrix of sericite. A characteristic feature of the unit is the presence of rounded or rectangular orthoclase 'porphyroblasts' up to 1.8 cm in diameter that comprise 25–50% of the rock. In drill core it is described as silicified and biotite-altered fault breccia.

5.1 STRUCTURE

A pronounced penetrative foliation is present in the quartz diorite. In sedimentary strata, the black argillite exhibits a strong foliation while weaker foliation occurs in the green-brown greywacke. Both the penetrative foliation in the quartz diorite and the foliation of the underlying sedimentary strata exhibit an east-west trend and moderate dip to the south. In the adit a well-defined southwesterly plunging stretch lineation is evident within the foliation planes in the quartz diorite and the sediments (Folk, 1990a). Slickensides developed locally on the walls of veins in the Contact zone (Folk, 1990a).

The contact between the quartz diorite and underlying sedimentary strata is interpreted to be a major east-west trending thrust fault (Joubin, 1950; Duffell, 1959; Diakow and Koyanagi, 1989b). Evidence of the reverse motion is strongest west of the Deer Horn adit where strong crenulation cleavage, and minor folds and fault splays were noted (Folk, 1990a). A strong foliation in the quartz diorite, dipping south and sub-parallel to the sediment-quartz diorite contact was likely caused by thrust faulting. In the adit, the thrust fault has been rendered unrecognizable by subsequent alteration and mineralization (Folk, 1990a).

A northeast-trending regional lateral fault mapped by Diakow and Koyanagi (1989a) cuts the thrust west of Lindquist Peak and results in right lateral displacement of the thrust fault. The thrust fault is also cut by a series of minor northwest and northeast-trending normal faults that result in minor offsets of the thrust (Joubin, 1950; Folk, 1990a; Childe and Kaip, 2000). In outcrop the faults appear to be mylonitic shear zones containing small quartz veins and, locally, mineralization (Folk, 1990a; Childe and Kaip, 2000). Some of these faults correlate with linear magnetic lows.

Mafic dykes trend slightly north of east and dip moderately to steeply southward. They are less than one metre wide and cut the quartz diorite in several areas. Occasionally mafic dykes are seen in the argillite proximal to the quartz diorite-sedimentary rock contact.

Felsic dykes are larger than the mafic dykes and can be traced for up to 800 metres. They cut both the sedimentary rocks and the quartz diorite. Large outcrops of felsic dyke material occur in the northwest part of Golden Knight's 1989 grid. In this area the outcrops form an irregular shaped body that is amygdaloidal on one side. Minor folds, crenulation cleavage and minor fault offsets suggest that the thrust fault was reactivated sometime after emplacement of the dyke.

5.1.1 VEIN MORPHOLOGY

There are two predominant vein orientations at the Deer Horn property (Joubin, 1950; Bacon, 1955; Duffell, 1959). The Main vein consists of a series of shallow-dipping to horizontal, vein segments that cut the foliation of the quartz diorite. The Main vein does not exhibit shearing along its vein walls (Folk, 1990a).

The Contact zone, in contrast, is sub-parallel to the south-dipping quartz diorite-sedimentary rock thrust contact and consists of a series of parallel veins along a fairly well-defined shear zone. Where the vein pinches out the shearing continues and may be mineralized further along strike or on another sub-parallel mineralized shear (Folk, 1990a). Southwesterly plunging slickensides are common.

Mineralized stringer zones of quartz veinlets occur where the Main vein and Contact zone converge. The two vein systems and associated stringer zones are thought to be contemporaneous members of the same mineralizing event (Folk, 1990b) with the Contact zone being a shear-related structure and the Main vein being an extensional structure. An extensive series of weakly mineralized to barren quartz veins and stringer zones is prominent on the surface east of the Deer Horn adit. The veining in this zone dips to the northeast as opposed to the southerly dips found in the Contact zone described above. Historic drill results suggest that these barren vein zones do not penetrate to depth.

5.2 ALTERATION

Quartz-Sericite Alteration

Quartz-sericite alteration of foliated quartz diorite is best developed at the contact with the underlying sedimentary rocks. The alteration also occurs locally as envelopes to quartz veins. Intensely altered rocks are very pale green to off-white, sericitized, silicified and cut by moderate to intense quartz stringers. Most of the mafic minerals are destroyed leaving remnant chlorite. Intense silicification locally obscures foliation. Quartz-sericite alteration is localized along and adjacent to faults and decreases in intensity away from these structures.

Epidote Skarn

Skarn occurs as patchy outcrops and bands within the green-brown greywacke unit. The presence of patchy and pervasive epidote locally discolours the rock to a pale green. Locally the skarn is weakly to

intensely silicified and is cut by irregular, white quartz-carbonate and epidote stringers. Bands of skarn tend to be 2 to 4 meters wide. Skarnification is likely metasomatism resulting from the intrusion of the Eocene Granodiorite (Folk, 1990a).

Silicification

Intense silica alteration resulting in complete replacement of a pre-existing Cataclastic breccia was observed in several of the deeper drill holes, but was not observed at surface nor in the adit (Folk, 1990b). The resulting rock is light grey and fine grained with ghosts of the original rock fragments remaining. The intense silica replacement extending into the granodiorite suggests that a deep-seated fluid source was present in the vicinity during Eocene Times.

6 MINERALIZATION AND GEOLOGICAL MODEL

There are four Minfile occurrences on the Deer Horn property, each of which represents a different style of mineralization. They are:

- a gold-silver-tellurium vein system (Deer Horn or Lindquist, Minfile 093E 019) comprised of two principal mineralized structures, the Main vein and the nearby Contact zone, that are thought to coalesce with depth (Folk, 1990b), and a series of associated narrow veins and stringers, that has received the vast majority of exploration activity to date, and is the primary subject of this report;
- a polymetallic vein occurrence (Old Timer, Minfile 093E 021) comprised of two narrow pyrite, galena, sphalerite and pyrrhotite that carry traces of gold and up to 44.6 g/t silver
- a tungsten occurrence consisting of narrow, scheelite-bearing quartz veins hosted in quartz diorite and thermally altered volcanic and sedimentary rocks (Harrison Scheelite, Minfile 093E 020); and
- an area of anomalous molybdenum comprised of molybdenite-bearing quartz veins cutting andesitic volcanic rocks near the margin of an Eocene granodirite intrusion (Cob, Minfile 093E 045).

The deposit type that has been the primary focus for most of the exploration conducted on the Deer Horn property is a gold-silver-tellurium-base metal vein system hosted primarily in foliated quartz diorite of Pre-Jurassic age in the hangingwall of a thrust fault. The foliation exhibited by the quartz diorite is thought to have formed in response to movement along the thrust and related shearing. A 2-dimensional model that may apply to the Deer Horn vein system is presented in Figure 6. It illustrates the development of fault-filled veins (i.e. the Contact zone), accompanying quartz-sericite alteration, and associated extensional veins (i.e. the Main vein) in a shear zone setting (from Robert and Poulsen, 2001). The vein system's spatial, and apparent genetic association with a neaby granodiorite intrusion suggests that the age of the mineralization is Eocene. Some aspects of the vein system, described below, suggest that it may be classified as a Low-Sulphidation (adularia-sericite) Subvolcanic Epithermal Vein deposit or alternatively as a Polymetallic Vein deposit (McMillan et al., 1991).

Elsewhere on the property, the little-explored scheelite occurrence may be regarded as a Porphyry Tungsten system (Sinclair, 1995a) and the molybdenite showings may be part of a Porphyry Molybdenum (Low F-Type) system (Sinclair, 1995b).

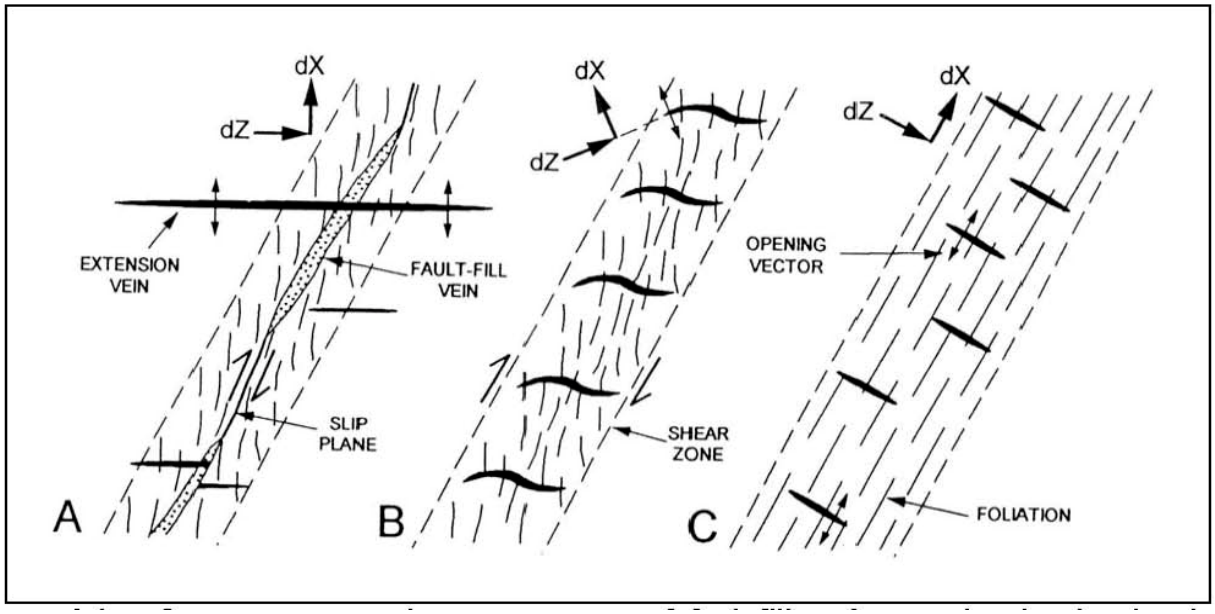


Figure 6: Common geometric arrangements of fault-filled and extensional veins in shear zones and their relationship to incremental axes of shortening (dZ) and elongation (dX). A) Fault-filled veins in the central part of a reverse shear zone showing conflicting crosscutting relationships with planar extensional veins extending outside the shear zone; B) Arrays of en echelon sigmoidal extensional veins within shear zones; C) Arrays of stacked planar extensional veins within shear zones (Robert and Poulsen, 2001).

6.1 GOLD-SILVER-TELLURIUM BEARING VEINS

Gold-silver-tellurium veins are spatially associated with a thrust fault that places quartz diorite and meta-volcanics of Pre-Jurassic age above sandstone, siltstone and argillite of the Lower Cretaceous Skeena Group. The veins occur mainly in foliated quartz diorite up to 250 m south of the thrust fault, and at its contact with the underlying clastic sedimentary rocks. The veins carrying gold, silver, tellurium and base metals in a quartz gangue have two orientations. The Main vein occurs 100 m to 250 m south of the thrust fault, generally strikes west and, where exposed at surface, dips from 20° – 45° to the north. However, underground mapping indicated that the dip of the Main vein reverses to a shallow southerly dip as it encroaches on the Contact zone (Papezik, 1957) perhaps as a result of drag folding that occurred in response to normal movement along the reactivated thrust fault. The Contact zone occupies an area immediately above and sub-parallel to the thrust fault, striking to the west and dipping 55° - 60° to the south (Joubin, 1950).

The Main vein is hosted primarily in foliated quartz diorite, but also occurs in quartzite, greywacke, and granodiorite, however it does not penetrate far into the sedimentary rocks in areas observed at surface (Folk, 1990a). It has been traced intermittently for over 1400 m along strike and is from < 1.0 to 4.5 m

wide (Papezik, 1957). The Main vein is segmented by a series of north to north-westerly trending faults that offset the vein up to 30 m (Joubin, 1950). Later workers suggest that the vein "segments" are separate *en echelon* tensional vein structures (Folk, 1990b). Regardless, the geometry and segmented nature of the Main vein makes for a challenging exploration target.

Mineralization consists of pyrite, sphalerite, galena, scheelite, pyrrhotite, chalcopyrite, and the telluride minerals tetradymite, hessite, tellurobismuth and altaite, that typically occurs as small patches, blebs and disseminations in quartz (Folk, 1990b). Vein quartz is typically white to translucent grey and commonly includes traces of chlorite and magnetite. Drusy cavities lined with quartz and crustiform banding occur locally. At surface, veins containing at least trace amounts of sulphide minerals are typically Fe-oxide stained. Early trenching and shallow drilling indicated that large, flat Main vein material with good grades occurs at or near the surface (Folk, 1990a) and could be amenable to limited scale open pit development.

The Contact zone is comprised of individual quartz veins up to 1.8 m wide and bands of quartz stringers up to 4.6 m across in a band of quartz-sericite altered quartz diorite located just above the thrust fault. It has similar mineralogy to the Main vein and has been traced by surface work, including prospecting, trenching and diamond drilling for 1650 m and up to 150 down dip. Quartz-sericite alteration developed in the footwall of the thrust grades into zones of quartz-epidote that are locally well-developed particularly in sandstone where they form bands consisting of 10-50% epidote and fine-grained quartz cut by veinlets of quartz-carbonate-epidote that reach 2 m to 4 m in width (Childe and Kaip, 2000).

Golden Knight compiled all available historic surface drill hole data for the property. The location of all known drill hole collars is illustrated in Figure 7. Selected diamond drill results are presented in Table 3. All available drill assay results are provided in Appendix 1. This work, coupled with its own drill results, outlined a 400 m long south-dipping and shallow eastward plunging well-mineralized shoot of the Contact zone that is open to the east and to the west as well as down-plunge along the structural trend (Folk, 1990b). The up-plunge extension of the zone is limited by its proximity to surface, but the down-plunge extension of the zone is open. Little drilling has tested the deeper potential of the Contact zone and a silicified 'cataclastic' breccia described by Folk (1990b) may represent a promising target for deeper drilling.

Narrow, high grade gold-silver veins and broad, bulk tonnage gold-silver mineralization has been encountered at Deer Horn. The high-grade veins are typically also elevated in tellurium, bismuth, mercury, zinc, lead and copper, and locally tungsten. Of note is drill hole 90-57 that was collared approximately 210 m west of the portal. It encountered significant grades of gold and silver with elevated base metal values. The 11.2 m intersection averaged 14.36 g/t Au, 781.5 g/t Ag, 0.40% Cu, 0.24% Pb and 1.02% Zn, including a 3.0 m interval that graded 37.73 g/t Au and 2065 g/t Ag. The intersection (see Figure 8, modified after Folk (1990b)) in part defines the western part of the 400 m east plunging shoot mentioned above.

Many narrow, high-grade veins (i.e. 93.5 g/t Au and 1480 g/t Ag over 0.3 m in hole 89-07) intersected in the immediate hangingwall of the thrust are generally regarded to be stringer zones that are part of the Contact zone (Folk, 1990a). These narrow high-grade veins are important components of the vein system, and while some may stand alone as potentially economic veins, they may alternatively contribute

significantly to bulk tonnage gold potential of the Contact zone. Hole 89-02, collared near the Deer Horn adit, intersected 42.53 m averaging 2.88 g/t Au and 84.68 g/t Ag and in part defines the east-central part of the 400 m east plunging shoot mentioned above.

The northeast and northwest trending minor faults that offset the Main vein, Contact zone and thrust fault, are regarded to be potential hosts for high-grade gold-silver mineralization (Childe and Kaip, 2000) and provide a third important target for future exploration.

West of the Deer Horn adit, a northeast-trending fault displaces the thrust fault northward, but regional mapping suggests that the offset portion of the thrust continues its westerly trend for approximately 2 km on the property (Diakow and Koyanagi, 1988a). The thrust fault and its immediate hangingwall in this area may provide opportunity for future discoveries.

6.2 AGE OF VEIN MINERALIZATION

Diakow and Koyanagi (1988a) reported an age of 56+/-2 Ma for sericite collected from alteration that envelopes part of the Contact zone suggesting that the mineralization developed in the Eocene. Two age dates for biotite extracted from a nearby granodiorite body suggest that is has a similar age of formation and that emplacement of the granodiorite and the mineralizing event are genetically related. The thrust fault is cut by both the granodiorite and vein system and provided a structural focus for localizing hydrothermal solutions that may have been associated with the emplacement of the granodiorite in the Early Eocene.

6.3 TUNGSTEN MINERALIZATION

A tungsten showing, later called Harrison Scheelite, was discovered in 1943 approximately 1 km southwest of Lindquist Peak. The showing consists of two aprons of scheelite-bearing talus near the contact between metamorphosed volcanic and sedimentary rocks of the Hazelton Group and granite, quartz diorite and diorite of the Coast intrusions (Diakow and Koyanagi, 1987b). The talus aprons are centered approximately 250 m to 300 m west of the western end of the Main vein. The scheelite occurs with quartz in narrow veins and stringers in diorite and the altered volcanic and sedimentary rocks. The main apron of anomalous talus has a sinuous northwest trend and covers an area measuring 485 m long by an average of approximately 50 m wide (Duffell, 1959). Systematic sampling of talus from the area yielded an average of 0.34% WO_3 (Duffell, 1959). A 40 m long trench was excavated through the talus to bedrock. Bedrock samples collected from the western part of the trench averaged 0.84% WO_3 over 18 m and bedrock samples collected from the eastern part of the trench averaged 1.55% WO_3 over 22 m (Duffell, 1959). Sampling of the second, smaller apron of talus produced anomalous but modest results.

6.4 MOLYBDENUM MINERALIZATION

Occurrences of molybdenite are located in the eastern part of the property, immediately east of Kenney Lake, in the vicinity of the Cob Minfile showing. Molybdenite occurs in fractures and narrow quartz veins in andesitic volcanic rocks and related (?) sedimentary rocks of the Lower Cretaceous Skeena Group in proximity to an Eocene granodiorite stock (Renning, 1990). Little more than reconnaissance work,

consisting primarily of prospecting and geochemical sampling, has been completed in the area. However, rock geochemical samples from the area have yielded results as high as 1350 ppm Mo (Renning, 2008). Also, stream sediment sampling conducted immediately west of Kenney Lake returned highly anomalous levels of molybdenum in two samples. Follow-up of the anomaly has not been conducted.

7 2009 EXPLORATION PROGRAM

The 2009 exploration program at Deer Horn was comprised of an initial reconnaissance assessment and a multi-faceted follow-up exploration program.

The reconnaissance program, conducted in July, 2009, was designed to examine, verify and systematically sample exposures of mineralization that comprise part of the Main vein system verify the high grades that had been encountered in the past. The work consisted primarily of channel, chip and grab sampling and was conducted by a team of 5 workers based from a fly-camp on the shore of Lindquist Lake. Efforts were also made to examine the tungsten and molybdenum showings on the property.

In response to the positive assay results Golden Odyssey entered into an option agreement with Guardsmen on the Deer Horn property. Crews were mobilized to the property in mid-September, 2009. Exploration and camp construction workers first arrived at the barge landing on the south shore of Whitesail Lake on September 19, 2009. Equipment was off-loaded from two 100-tonne barges and a temporary camp was constructed nearby. A dozer and excavator immediately began rehabilitation of the existing, but overgrown access trail. Equipment for the exploration camp was flown up to the alpine by helicopter, and erection of the camp began in earnest. A physical review of the proposed drill sites was completed and drill collar locations were established. Additional surface channel sampling of the Main Vein and other exposed veins proceeded while construction of the camp was completed. The diamond drill, provided by Radius Drilling Corporation, was skidded up to the exploration site and began drilling the first hole of the campaign on October 1, 2009. The last hole of the campaign was completed on November 2, 2009. In total 35 HQ and NQ diamond drillholes were completed with an aggregate length of 1706 metres (Table 3).

Table 3: 2009 Drillhole Locations and Orientations, Deer Horn Property

Hole #				Collar Location			Dates Drilled	
(DH09-0)	Azimuth	Dip	Depth (m)	Easting	Northing	Elevation	Start	Stop
61	180	-57	30.48	613973	5913912	1272.2	Oct. 1	Oct. 2
62	vertical	-90	39.62	613973	5913912	1272.2	Oct. 2	Oct. 3
63	360	-70	76.20	613973	5913912	1272.2	Oct. 3	Oct. 4
64	360	-50	73.20	613973	5913918	1273.0	Oct. 4	Oct. 5
65	vertical	-90	79.20	613823	5913936	1317.7	Oct. 5	Oct. 6
66	180	-44	75.30	613823	5913936	1317.7	Oct. 6	Oct. 7
67	180	-68	78.00	613823	5913936	1317.7	Oct. 7	Oct. 8
68	156	-50	35.10	613823	5913936	1317.7	Oct. 8	Oct. 9
69	156	-70	61.00	613823	5913936	1317.7	Oct. 9	Oct. 9
70	360	-60	77.70	613823	5913934	1317.6	Oct. 9	Oct. 10
71	360	-51	lost				Oct. 10	Oct. 11
72	359	-51	68.28	613657.3	5913953.3	1374.3	Oct. 11	Oct. 13
73	359	-61	68.58	613657.3	5913953.3	1374.3	Oct. 13	Oct. 15
74	vertical	-90	69.42	613657.3	5913953.3	1374.3	Oct. 15	Oct. 16
75	359	-40	66.60	613657.3	5913953.3	1371.3	Oct. 16	Oct. 18
76	vertical	-90	29.57	613699.1	5913934.1	1349.4	Oct. 18	Oct. 19
77	180	-43	23.77	613699.1	5913934.1	1394.4	Oct. 19	Oct. 19
78	vertical	-90	36.58	613717.8	5913931.4	1342.5	Oct. 19	Oct. 20
79	180	-68	28.65	613717.8	5913931.4	1342.5	Oct. 20	Oct. 20
80	vertical	-90	36.58	613738.4	5913933.7	1338.8	Oct. 20	Oct. 21
81	180	-60	29.87	613738.4	5913933.7	1338.8	Oct. 21	Oct. 21
82	180	-64	41.79	613766.3	5913940.5	1333.4	Oct. 21	Oct. 22
83	180	-45	46.33	613766.3	5913940.5	1333.4	Oct. 22	Oct. 22
84	vertical	-90	32.92	613752	5913921	1331.8	Oct. 22	Oct. 23
85	180	-60	36.27	613752	5913921	1331.8	Oct. 23	Oct. 24
86	180	-43	32.31	613752	5913921	1331.8	Oct. 24	Oct. 24
87	vertical	-90	48.77	613788	5913945	1328.8	Oct. 24	Oct. 25
88	180	-70	50.29	613788	5913945	1328.8	Oct. 25	Oct. 25
89	180	-49	41.45	613788	5913945	1328.8	Oct. 25	Oct. 26
90	vertical	-90	53.34	613804	5913954	1326.9	Oct. 26	Oct. 27
91	180	-69	39.01	613804	5913954	1326.9	Oct. 27	Oct. 28
92	vertical	-90	30.79	613801	5913916	1313.8	Oct. 28	Oct. 29
93	180	-59	29.26	613801	5913916	1313.8	Oct. 29	Oct. 30
94	vertical	-90	51.82	613910	5913914	1284.9	Oct. 30	Oct. 31
95	270	-45	35.05	613910	5913914	1284.9	Oct. 31	Nov. 1
96	180	-55	53.04	613912	5913913	1284.9	Nov. 1	Nov. 2
			1706.14					

The 2009 surface sampling and diamond program was intended to in part verify the results from past work completed by other operators and to provide additional detail to support the calculation of a 43-101 compliant resource estimate. Descriptions of the property geology and mineralization are a blend of personal observation, observations made by Barney Bowen, PGeo, and Ken MacDonald, PGeo, both of whom also conducted field work and logged core, and information sourced from published scientific papers, published assessment reports, unpublished property reports, and personal communications found in historical files.

In conjunction with the drilling, SJ Geophysics Ltd completed preliminary Magnetometer, 3D Induced Polarization and Max-Min surveys over sections of the Deer Horn property. However, the results of the surveys are not part of this assessment report.

8 RESULTS

8.1 SURFACE ROCK GEOCHEMICAL SAMPLING

A total of 38 cut channel, chip or grab surface samples were collected in 2009 principally from exposures of the Main Vein. The distribution of sample locations was dependant on existing vein exposures and provides detailed coverage of part of the Main Vein over a strike length of 100 metres and broader coverage over a total strike length of approximately 700 metres.

Results range from less than detection over 2.0 m of cut channel (sample DH09-017) to 101 g/t Au, 1400 g/t Ag and 2140 g/t Te over 0.48 m of cut channel (sample DH09-012). A cut channel sample taken across the Main Vein at the Deer Horn portal averaged 17.90 g/t Au, 500.1 g/t Ag and 305 g/t Te over 2.8 m (sample DH09-048). Table 4 lists the results from all surface samples collected during the 2009 exploration program. Figures 7 and 8 provide the locations for all surface samples collected during the 2009 exploration program.

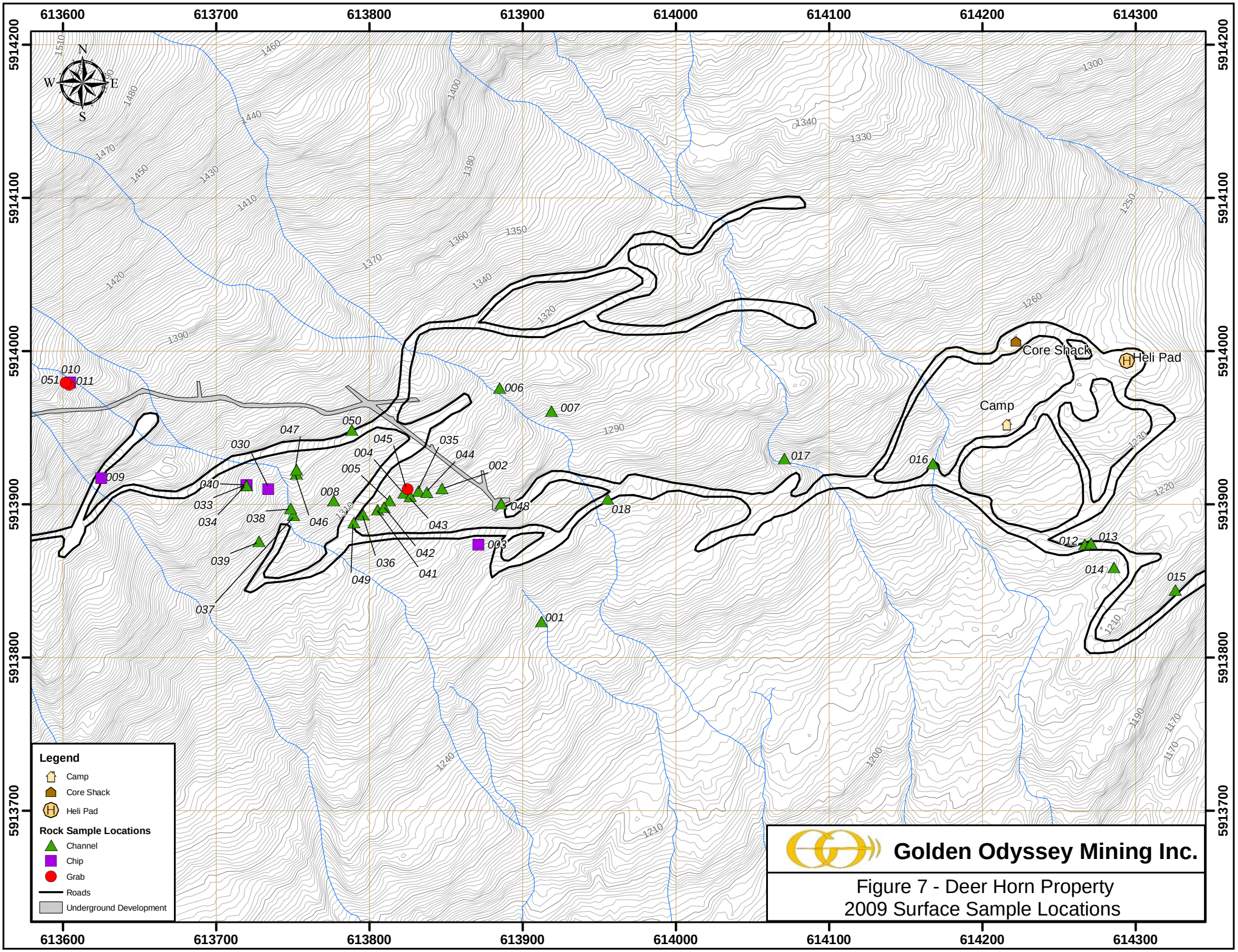
Well-mineralized veins crop out to the west and well to the east of the area drilled. They provide alluring targets for future drilling campaigns.

Table 4: 2009 Deer Horn Rock Geochemical Sample Results (Surface Samples)

Sample #	UTM Coordinates (NAD 83)		Sample Length (m & type)	Vein & Description	Au (g/t)	Ag (g/t)	Te (g/t)
	Easting	Northing					
DH09-001	613912	5913824	2.05 channel	Main-Type Vein: located down slope from adit, possibly float, massive quartz with 5% pyrite & 1% chalcopyrite & traces of fine-grained grey-silver metallic mineral	93.6	1655	1680
DH09-002	613848	5913910	1.30 channel	Main Vein: massive quartz-pyrite vein west of adit	26.2	899	980
DH09-003	613871	5913874	0.95 chip	Main Vein: oxidized quartz vein, 8-10% pyrite & 1% chalcopyrite	45	1760	1170
DH09-004	613822	5913907	3.05 channel	Main Vein: banded quartz vein with traces of pyrite	1.34	478	430
DH09-005	613813	5913903	1.90 channel	Main Vein: massive crystalline quartz with drusy cavities & up to 3% pyrite	19.15	609	510
DH09-006	613885	5913976	0.52 channel	Northwest Vein: 'bull' quartz with iron-oxide	0.57	24	20
DH09-007	613919	5913961	0.87 channel	Northwest Vein: 'bull' quartz with inclusions of altered wallrock & iron-oxide	0.08	22	10
DH09-008	613777	5913902	1.40 channel	Main Vein: massive quartz with drusy cavities & up to 2-3% pyrite	15.85	654	500
DH09-009	613625	5913917	0.33 chip	Northwest Vein: narrow quartz vein with traces of pyrite	0.22	<5	<10
DH09-010	613604	5913978	0.90 chip	Main-Type Vein: suboutcrop, brecciated quartz healed with intergrown pyrite, chalcopyrite, galena & sphalerite; traces of fine-grained grey-silver metallic mineral	48.8	3100	2440
DH09-011	613604	5913978	grab	Selected grab from sulphide-rich area of DH09-010	49.3	3340	2690
DH09-012	614267	5913874	0.48 channel	Main Vein: 3-5% pyrite, 0.5% chalcopyrite & 1% fine-grained silver-grey metallic mineral formed on healed, interconnected microfractures	101	1400	2140
DH09-013	614271	5913875	0.32 channel	Main Vein: 3% pyrite with traces of chalcopyrite on microfractures	0.54	17	90
DH09-014	614286	5913859	0.70 channel	Main Vein: 2-3% disseminated medium-grained pyrite in quartz+/-altered feldspar gangue	26.9	258	620
DH09-015	614326	5913844	0.70 channel	Main Vein: seams of coarse-grained pyrite in iron-stained quartz	3.35	50	130
DH09-016	614168	5913927	1.4 channel	Northwest Vein: 'bull' quartz containing inclusions of altered wallrock & traces of pyrite	0.08	<5	<10
DH09-017	614071	5913930	2.00 channel	Sheeted Vein: sheeted quartz veinlets cutting quartz-sericite altered quartz diorite	<0.05	<5	<10
DH09-018	613956	5913904	1.37 channel	Main Vein: flat exposure of quartz-pyrite vein, previously channel-sampled	3.3	79	130
DH09-030BL	613734	5913910	0.4 chip	north of Main Vein trend: narrow quartz vein with 1-2% pyrite & traces of chalcopyrite, sphalerite; vein oriented 080/32S	0.37	23.1	35
DH09-033	613720	5913913	1.00 chip	north of Main Vein trend: quartz with traces of pyrite; vein oriented 175/28E; may be sub o/c	0.07	10.3	<5
DH09-034	613720	5913913	0.40 chip	sheared FW to vein DH09-033: stringers of quartz-pyrite+/-chalcopyrite-sphalerite	0.22	8.6	<5
DH09-035	613832	5913909	2.05 channel	Main Vein between previous channel samples DH09-002 and DH09-004: quartz with 10% combined pyrite-chalcopyrite-sphalerite+/-galena	20.58	718.2	631
DH09-036	613796	5913893	2.08 channel	Main Vein west of channel sample DH09-005: quartz with 2-3% pyrite & traces of galena, chalcopyrite & sphalerite; vein oriented 050/60N	9.71	402.7	332
DH09-037	613750	5913893	1.60 channel	Main Vein: quartz with trace to 1% pyrite+/-chalcopyrite-spaherite-galena	0.97	40.6	32
DH09-038	613748	5913897	0.70 channel	vertical quartz vein in immediate HW of Main Vein	0.72	30.2	14
DH09-039	613728	5913876	0.60 channel	north of Main vein: narrow south dipping quartz-sulphide vein	0.11	10.9	5
DH09-040	613720	5913913	1.00 channel	same as DH09-033, but channel sample	0.05	7.7	<5
DH09-041	613805	5913897	1.00 channel	Main Vein: quartz with 1-2% narrow sulphide bands comprised of pyrite-chalcopyrite-sphalerite; vein oriented 074/55N	20.68	736.5	593
DH09-042	613810	5913898	1.23 channel	Main Vein: quartz with 1-2% narrow sulphide bands comprised of pyrite-chalcopyrite-sphalerite; vein oriented 071/46N	13.32	586.1	460

Table 4: 2009 Deer Horn Rock Geochemical Sample Results (Surface Samples)

Sample #	UTM Coordinates (NAD 83)		Sample Length (m & type)	Vein & Description	Au (g/t)	Ag (g/t)	Te (g/t)
	Easting	Northing					
DH09-043	613827	5913905	1.93 channel	Main Vein: quartz with 1-2% narrow sulphide bands comprised of pyrite-chalcopyrite-sphalerite; vein oriented 080/47N	10.33	283.0	268
DH09-044	613838	5913908	1.32 channel	Main Vein: quartz with traces of pyrite; no orientation, possible sub o/c	5.24	103.6	164
DH09-045	613825	5913910	grab	Main Vein: angular block of float to sub-outcrop comprised of quartz with thick bands of sulphide (pyrite-chalcopyrite-sphalerite-galena) that account for 12-15% of the vein	33.06	1345.8	881
DH09-046	613752	5913920	0.35 channel	north of Main Vein trend: narrow quartz vein with 4-5% pyrite-chalcopyrite-sphalerite; oriented 090/60S; exposure buried by construction of drill pad	9.31	466.2	235
DH09-047	613752	5913923	0.35 channel	north of Main Vein trend, along trend from DH09-046: narrow quartz vein with 4-5% pyrite-chalcopyrite-sphalerite; oriented 080/50S; exposure buried by construction of pad	5.63	228.3	210
DH09-048	613886	5913901	2.8 channel	Vein at Deer Horn portal: quartz with regular bands of pyrite+/-chalcopyrite-sphalerite that comprise 2-3% of the vein; vein oriented 005/44E	17.90	500.1	305
DH09-049	613790	5913888	0.55 channel	Main Vein in roadbed at hairpin; 'bull' quartz with concentration of pyrite on FW selvage; channel sampled less than half of vein width; vein oriented 070/63N	0.55	28.7	18
DH09-050	613789	5913949	0.63 channel	quartz-sulphide vein exposed in roadcut at drill pad for holes DH09-087 to 089; vein oriented 073/25N	0.10	5.3	6
DH09-051	613604	5913978	grab	north of Main Vein near Contact Zone: composite grab sample from FW of vein sampled by DH09-010: semi-massive galena-sphalerite-chalcopyrite-pyrite with traces of fine-grained grey-silver metallic mineral	28.26	1969.2	708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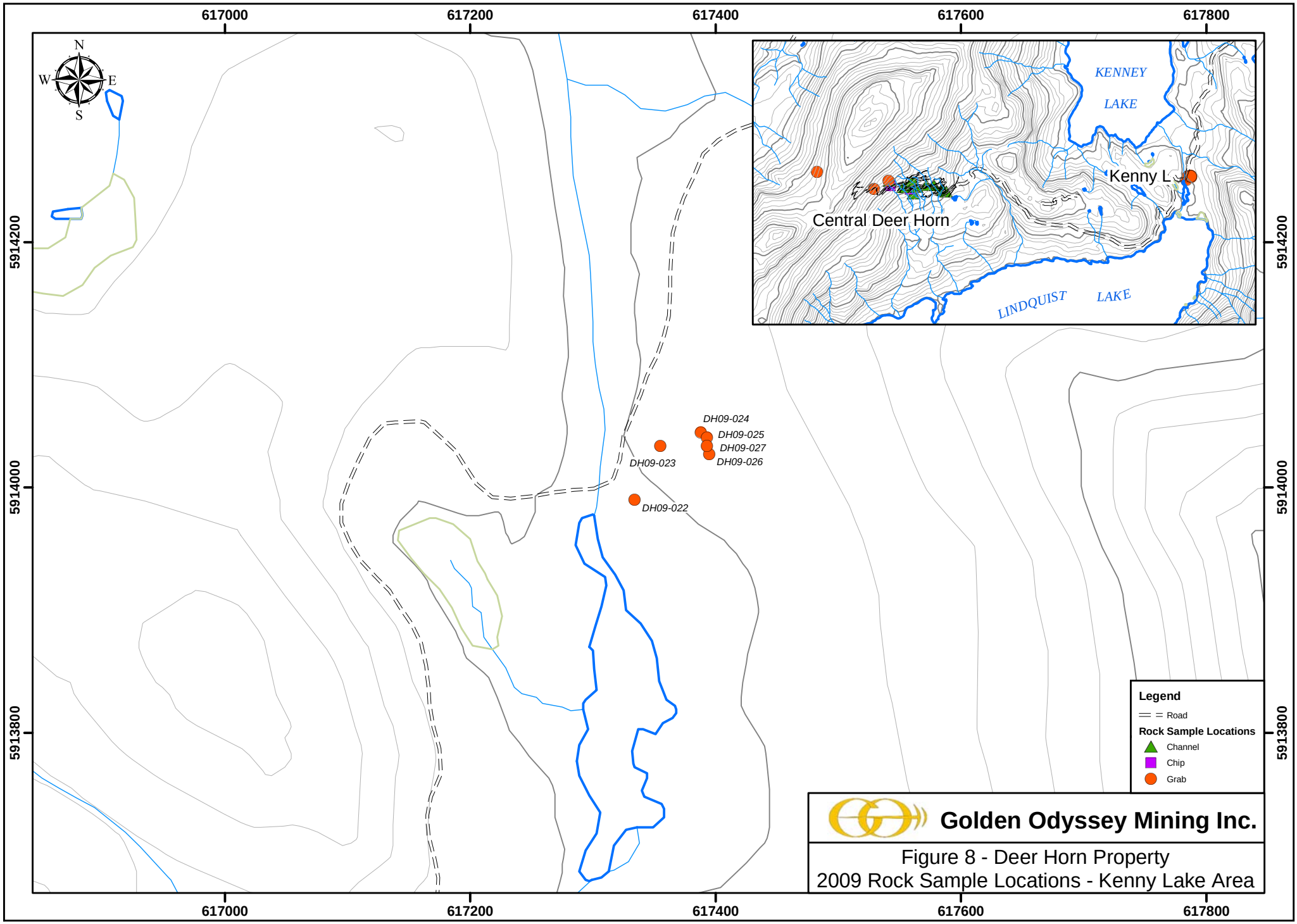
Legend
Camp
Core Shack
Heli Pad
Rock Sample Locations
Channel
Chip
Grab
Roads
Underground Development
Golden Odyssey Mining Inc.
Figure 7 - Deer Horn Property
2009 Surface Sample Locations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DH09-025
DH09-027
DH09-026
DH09-023
DH09-022
Legend
Road
Rock Sample Locations
Channel
Chip
Grab
Golden Odyssey Mining Inc.
Figure 8 - Deer Horn Property
2009 Rock Sample Locations - Kenny Lake Area

8.2 DIAMOND DRILLING

A total of 35 NQ and HQ diameter diamond drillholes, with an aggregate length of 1706 m, were completed on the Deer Horn property during October and early November, 2009. Drilling targeted the two known west-trending mineralized structures, the Main Vein and Contact Zone, over a strike length of 320 m in the vicinity of the Deer Horn adit. Most of the bore holes were drilled on an azimuth of either 180 or 360 degrees, and were shallow, with lengths ranging from 23.77 m to 79.20 m.

The intersections presented below include modest to high gold-silver-tellurium grades over narrow widths, encountered principally in the Main Vein, and bulk mineable gold-silver grades, encountered principally in the Contact Zone. Better precious metal grades are accompanied by significant concentrations of copper, lead and zinc, and by highly anomalous amounts of tellurium. Drillhole locations are shown in Figure 9. A summary of drillhole assay and geochemical results is shown in Table 5. Geological bore hole logs are provided in Appendix A. Geological cross-sections are provided in Appendix B. Drillhole assay and selected geochemical results are listed by sample number in Appendix C and Laboratory Certificates are provided in Appendix D.

The first four drillholes of the program, DH09-061 to DH09-064 (Section 613975E), tested the Main Vein and Contact Zone from a single setup located 85 metres east of the Deer Horn adit. The drilling confirms the historical assay results from this segment of the Main Vein. Assay highlights include:

- 10.95 g/t Au, 162.4 g/t Ag and 237 g/t Te over 2.90 m, including 34.98 g/t Au, 497.0 g/t Ag and 879 g/t Te over 0.3 m in drillhole DH09-061
- 4.30 g/t Au, 64.3 g/t Ag and 86 g/t Te over 4.80 m, including 8.26 g/t Au, 115.0 g/t Ag and 170 g/t Te over 2.00 m in drillhole DH09-062

Bore holes DH09-065 to DH09-070 (Section 613820E) were drilled from a setup located 75 metres northwest of the Deer Horn adit, a distance of 160 m from the first setup. Drillholes DH09-068 and DH09-069 were drilled 'off-section' on an azimuth of 156 degrees and also intersected the Main Vein system. The results accentuate the robust nature of the Main Vein. Assay highlights include:

- 12.82 g/t Au, 495.3 g/t Ag and 436 g/t Te over 2.90 m, including 28.02 g/t Au, 1125.3 g/t Ag and 948 g/t Te over 0.95 m in drillhole DH09-065, and deeper in the same drillhole, 7.23 g/t Au, 197.7 g/t Ag and 207 g/t Te over 3.80 m
- 10.16 g/t Au, 463.3 g/t Ag and 309 g/t Te over 3.85 m, including 25.90 g/t Au, 1254.8 g/t Ag and 807 g/t Te over 1.25 m in drillhole DH09-066
- 16.70 g/t Au, 642.7 g/t Ag and 437 g/t Te over 1.80 m in drillhole DH09-067, and deeper in the same drillhole, 6.01 g/t Au, 334.0 g/t Ag and 242 g/t Te over 4.35 m, including 17.06 g/t Au, 959.5 g/t Ag and 703 g/t Te over 1.25 m
- 28.83 g/t Au, 890.4 g/t Ag and 665 g/t Te over 2.05 m, including 51.00 g/t Au, 1573.3 g/t Ag and 1188 g/t Te over 1.05 m in drillhole DH09-068
- 9.60 g/t Au & 365.6 g/t Ag and 272 g/t Te over 2.25 m in drillhole DH09-069

- 10.11 g/t Au, 377.8 g/t Ag and 438 g/t Te over 2.72 m, including 23.40 g/t Au, 891.2 g/t Ag and 991 g/t Te over 0.72 m in drillhole DH09-070

Bore holes DH09-072 to DH09-075 (Section 613655E) were drilled from a setup stationed 235 metres west of the Deer Horn adit. They targeted Contact Zone mineralization that had been intersected by a previous operator in 1990 (e.g. hole 90-57 which intersected 11.2 m averaging 14.36 g/t Au and 781.5 g/t Ag (including a 3.0 m interval that graded 37.73 g/t Au and 2065 g/t Ag). The successful intersection of this western part of the vein system reaffirms it as a high priority for further exploration drilling, particularly further to the west where previous surface sampling and historic diamond drilling indicates that the system remains open. Assay highlights include:

- 3.43 g/t Au, 108.0 g/t Ag and 117 g/t Te over 28.16 m, including 27.60 g/t Au, 718.1 g/t Ag and 863 g/t Te over 0.75 m, and including 12.39 g/t Au, 393.4 g/t Ag and 409 g/t Te over 2.40 m in drillhole DH09-072
- 3.47 g/t Au, 232.0 g/t Ag and 164 g/t Te over 4.40 m, including 10.30 g/t Au, 720.3 g/t Ag and 495 g/t Te over 1.00 m in drillhole DH09-073
- 3.37 g/t Au, 172.4 g/t Ag and 160 g/t Te over 9.35 m, including 15.20 g/t Au, 635.7 g/t Ag and 199 Te over 0.75 m in drillhole DH09-075

Eighteen bore holes (DH09-076 through DH09-093) were drilled immediately west of the Deer Horn adit. They were collared in close-spaced fashion on north-south sections spaced between 10 and 25 metres apart. The drillholes intersected the Main Vein, and locally, multiple subsidiary hangingwall and footwall veins and/or stockwork zones at shallow depths. Data from these holes provide a detailed account of the Main Vein over a strike length of more than 130 metres. Several of the holes also extended into the Contact Zone.

Bore holes DH09-076 and DH09-077 were drilled on Section 613700E. Assay highlights include:

- 6.78 g/t Au, 390.2 g/t Ag and 229 g/t Te over 1.16 m in drillhole DH09-076
- 7.39 g/t Au, 339.8 g/t Ag and 251 g/t Te over 3.26 m, including 10.75 g/t Au, 469.5 g/t Ag and 369 g/t Te over 2.10 m in drillhole DH09-077

Bore holes DH09-078 and DH09-079 were drilled on Section 613720E. Assay highlights include:

- 3.69 g/t Au, 169.2 g/t Ag and 133 g/t Te over 3.50 m, including 7.39 g/t Au, 347.0 g/t Ag and 275 g/t Te over 1.5 m in drillhole DH09-078
- 5.26 g/t Au, 301.9 g/t Ag and 188 g/t Te over 4.00 m, including 7.29 g/t Au, 427.6 g/t Ag and 266 g/t Te over 2.00 m in drillhole DH09-079

Bore holes DH09-080 and DH09-081 (Section 613740E), DH09-084 to DH09-086 (Section 613750E), and DH09-082 and DH09-083 (Section 613765E) successfully intersected the Main Vein and several subsidiary hangingwall and footwall veins. The veins intersected in these drillholes were typically narrow and returned low to modest gold, silver and tellurium values, but with locally impressive base metal values. The presence of appreciable base metals is consistent with the other precious metal-enriched sections of the vein system and therefore the results are regarded to be encouraging.

Bore holes DH09-087 to DH09-089 were drilled on Section 613790E. Assay highlights include:

- 11.46 g/t Au, 298.2 g/t Ag and 203 g/t Te over 2.50 m, including 40.40 g/t Au, 979.3 g/t Ag and 671 g/t Te over 0.30 m in drillhole DH09-088
- 7.52 g/t Au, 287.6 g/t Ag and 461 g/t Te over 0.66 m in drillhole DH09-089

Bore holes DH09-090 to DH09-093 were drilled on Section 613805E. Assay highlights include:

- 4.27 g/t Au, 133.2 g/t Ag and 51 g/t Te over 3.77 m, including 9.48 g/t Au, 277.8 g/t Ag and 185 g/t Te over 0.95 m in drillhole DH09-090
- 12.17 g/t Au, 441.4 g/t Ag and 292 g/t Te over 2.26 m, including 29.90 g/t Au, 1014.1 g/t Ag and 737 g/t Te over 0.70 m in drillhole DH09-092
- 6.15 g/t Au, 286.5 g/t Ag and 160 g/t Te over 1.75 m in drillhole DH09-093

The final three bore holes of the program, DH09-094 through DH09-096, were drilled immediately east of the Deer Horn adit. Drillhole DH09-095 was drilled 'off-section' on an azimuth of 270 degrees to intercept the north-trending (Main) vein upon which the Deer Horn portal was collared. The vein was channel sampled at the portal and returned an assay of 17.90 g/t Au, 500.1 g/t Ag and 305 g/t Te over 2.8 m (sample DH09-048). Drillholes DH09-094 and DH09-096 were drilled from the same collar location as drillhole DH09-095, but 'on section' (Section 613910E). They were drilled to intersect the down dip projection of the Main Vein and quartz-sulphide veins in its footwall. Drilling encountered several veins with zones of clay gouge and/or shattered wallrock and/or vein indicating faulting and perhaps some structural loss of vein material. One narrow intersection returned exceptional silver and tellurium values and may represent a new discovery. Assay highlights include:

- 8.80 g/t Au, 129.4 g/t Ag and 112 g/t Te over 0.50 m in drillhole DH09-094
- 7.35 g/t Au, 129.2 g/t Ag and 160 g/t Te over 2.71 m, including 17.96 g/t Au, 272.3 g/t Ag and 363 g/t Te over 0.74 m in drillhole DH09-095, and deeper in the same hole, 19.00 g/t Au, 486.0 g/t Ag and 491 g/t Te over 0.6 m
- 2.10 g/t Au, 264.3 g/t Ag and 330 g/t Te over 2.04 m, including 10.01 g/t Au, 1963.9 g/t Ag and 2471 g/t Te over 0.25 m in drillhole DH09-096

Table 5: Summary of 2009 Drillhole Assay and Geochemical Results

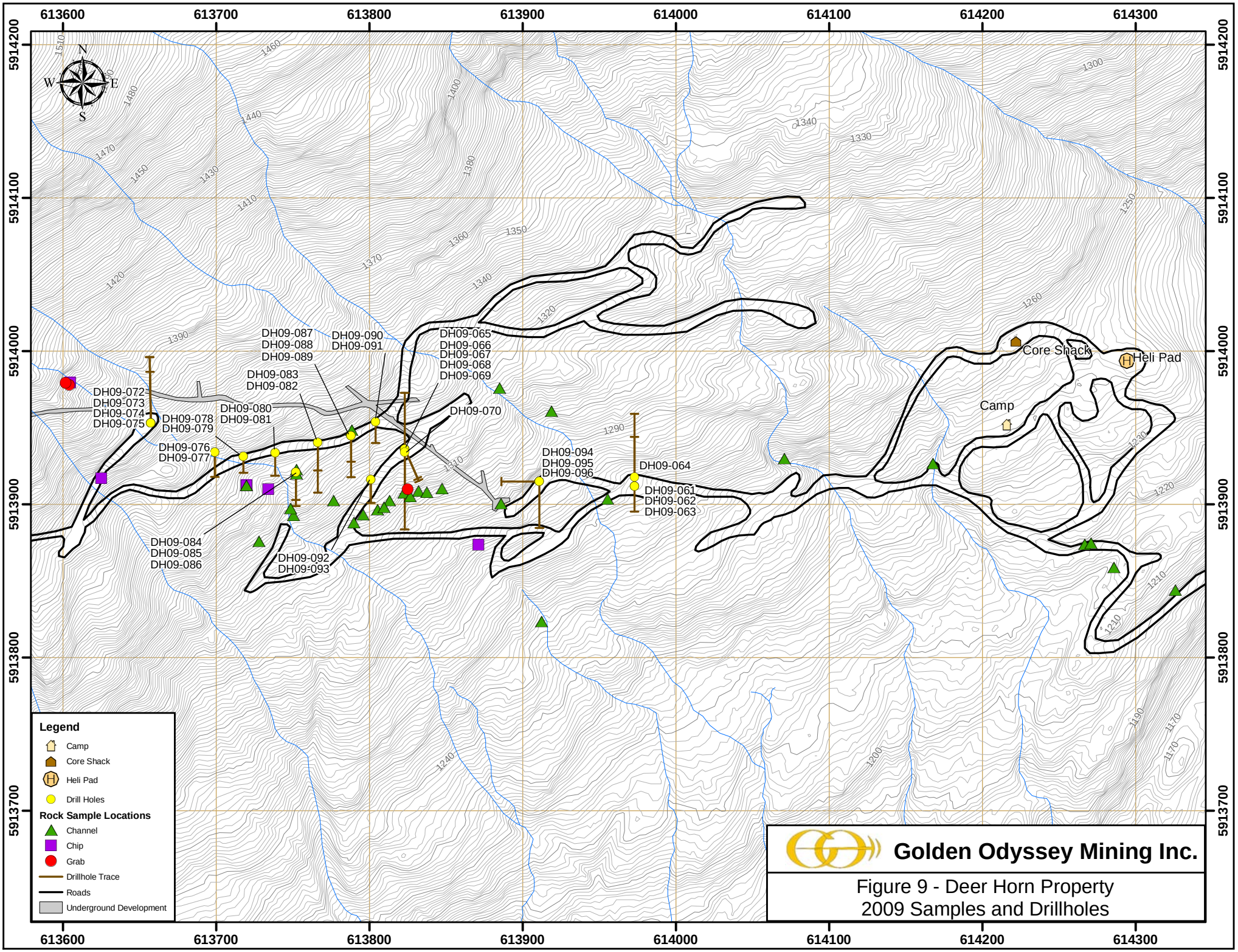
Hole ID	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Au Eq (Ag:Au=65)	Te (ppm)	Vein ID
DH09-061	10.00	12.90	2.90	10.95	162.4	13.45	237	Main Vein (M)
including	11.45	12.90	1.45	21.08	311.0	25.86	462	Main Vein (M)
including	12.15	12.45	0.30	34.98	497.0	42.63	879	Main Vein (M)
DH09-061	19.00	19.50	0.50	1.45	24.1	1.82	36	FW Vein 1 (FW1)
DH09-061	24.00	24.50	0.50	4.79	108.6	6.46	107	FW Vein 2 (FW2)
DH09-062	12.50	17.30	4.80	4.30	64.3	5.29	86	Main Vein (M)
including	15.30	17.30	2.00	8.26	115.0	10.03	170	Main Vein (M)
DH09-062	19.95	21.55	1.60	1.32	23.1	1.68	30	FW Vein 1 (FW1)
DH09-063	20.00	25.00	5.00	1.15	12.5	1.34	22	Contact Zone
including	20.00	20.80	0.80	2.16	12.9	2.36	35	Contact Zone
including	24.00	25.00	1.00	2.06	22.5	2.41	38	Contact Zone
DH09-063	39.90	41.50	1.60	2.27	31.1	2.75	54	Contact Zone
DH09-064	33.00	35.00	2.00	5.42	80.2	6.65	117	Contact Zone
DH09-065	7.55	10.45	2.90	12.82	495.3	20.44	436	Main Vein (M)
including	8.50	9.45	0.95	28.02	1125.3	45.33	948	Main Vein (M)
DH09-065	25.00	26.00	1.00	1.55	51.8	2.35	47	FW Vein 1 (FW1)
DH09-065	32.20	36.00	3.80	7.23	197.7	10.27	207	Contact Zone
DH09-065	74.50	75.80	1.30	1.87	53.6	2.69	54	Contact Zone
DH09-066	9.80	11.20	1.40	2.42	70.3	3.50	73	HW Vein 1 (HW1)
DH09-066	23.65	27.50	3.85	10.16	463.3	17.29	309	Main Vein (M)
including	26.25	27.50	1.25	25.90	1245.8	45.07	807	Main Vein (M)
DH09-066	32.00	33.00	1.00	3.20	95.3	4.67	63	FW Vein 1 (FW1)
DH09-066	40.80	41.15	0.35	2.20	95.0	3.66	64	FW Vein 2 (FW2)
DH09-066	56.10	56.80	0.70	5.40	216.5	8.73	161	FW Vein 3 (FW3)
DH09-066	66.30	67.95	1.65	1.92	105.0	3.54	72	FW Vein 4 (FW4)
DH09-067	10.20	10.45	0.25	4.18	158.2	6.61	89	HW Vein 1 (HW1)
DH09-067	18.00	19.00	1.00	1.50	71.2	2.60	32	Main Vein (M)
DH09-067	20.00	22.00	2.00	2.66	77.8	3.86	66	Main Vein (M)
DH09-067	25.00	26.80	1.80	16.70	642.7	26.59	437	Main Vein (M)
DH09-067	36.20	39.35	3.15	3.13	87.8	4.48	79	FW Vein 1 (FW1)
DH09-067	68.00	72.35	4.35	6.01	334.0	11.15	242	FW Vein 3 (FW3)
including	71.10	72.35	1.25	17.06	959.5	31.82	703	FW Vein 3 (FW3)
DH09-068	10.95	11.50	1.55	1.00	46.1	1.71	29	HW Vein 2 (HW2)
DH09-068	20.00	21.50	1.50	4.66	166.5	7.22	106	HW Vein 1 (HW1)
DH09-068	25.60	27.65	2.05	28.83	890.4	42.53	665	Main Vein (M)
including	26.60	27.65	1.05	51.00	1573.3	75.20	1188	Main Vein (M)
DH09-069	8.00	8.25	0.25	6.58	224.5	10.03	326	HW Vein 2 (HW2)
DH09-069	17.00	18.50	1.50	1.02	26.6	1.43	25	HW Vein 1 (HW1)
DH09-069	22.25	24.50	2.25	9.60	365.6	15.22	272	Main Vein (M)
DH09-069	47.00	48.50	1.50	1.32	22.2	1.66	28	FW Vein 2 (FW2)

Table 5: Summary of 2009 Drillhole Assay and Geochemical Results

Hole ID	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Au Eq (Ag:Au=65)	Te (ppm)	Vein ID
DH09-069	52.90	55.35	2.45	2.30	90.3	3.69	85	FW Vein 3 (FW3)
DH09-070	11.55	14.27	2.72	10.11	377.8	15.92	438	Contact Zone
including	13.55	14.27	0.72	23.40	891.2	37.11	991	Contact Zone
DH09-070	28.11	29.11	1.00	0.33	155.7	2.73	50	Contact Zone
DH09-071	hole abandoned							
DH09-072	29.06	57.22	28.16	3.43	108.0	5.09	117	Contact Zone
including	30.06	30.81	0.75	27.60	718.1	38.65	863	Contact Zone
including	36.14	37.79	1.65	10.90	414.0	17.27	477	Contact Zone
including	38.89	40.39	1.50	3.46	148.4	5.74	89	Contact Zone
including	51.82	54.22	2.40	12.39	393.4	18.44	409	Contact Zone
DH09-073	26.88	31.28	4.40	3.47	232.0	7.04	164	Contact Zone
including	26.88	29.38	2.50	5.75	384.7	11.67	265	Contact Zone
including	28.38	29.38	1.00	10.30	720.3	21.38	495	Contact Zone
DH09-073	42.13	43.23	1.10	3.14	109.2	4.82	198	Contact Zone
DH09-073	52.33	54.59	2.26	3.79	112.8	5.53	123	Contact Zone
DH09-074	25.32	30.21	4.89	0.50	20.8	0.82	30	Contact Zone
including	26.82	27.62	0.80	1.27	50.1	2.04	79	Contact Zone
DH09-075	36.11	37.16	1.05	3.54	137.4	5.65	144	Contact Zone
DH09-075	47.65	57.00	9.35	3.37	172.4	6.02	160	Contact Zone
including	50.70	57.00	6.30	4.63	224.3	8.08	199	Contact Zone
including	54.15	54.90	0.75	15.20	635.7	24.98	631	Contact Zone
including	56.20	57.00	0.80	10.00	430.7	16.63	382	Contact Zone
DH09-076	7.98	10.25	2.27	4.49	245.3	8.26	171	Main Vein (M)
including	7.98	9.14	1.16	6.78	390.2	12.78	229	Main Vein (M)
DH09-077	7.87	11.13	3.26	7.39	339.8	12.62	251	Main Vein (M)
including	8.53	10.63	2.10	10.75	469.5	17.97	369	Main Vein (M)
DH09-078	13.28	16.78	3.50	3.69	169.2	6.29	133	Main Vein (M)
including	13.28	14.78	1.50	7.39	347.0	12.73	275	Main Vein (M)
DH09-079	11.88	15.88	4.00	5.26	301.9	9.90	188	Main Vein (M)
including	12.88	14.88	2.00	7.29	427.6	13.87	266	Main Vein (M)
DH09079	22.01	23.51	1.50	1.34	79.0	2.56	54	FW Vein 1 (FW1)
DH09-080	14.40	16.20	1.80	0.33	18.7	0.62	10	Main Vein (M)
DH09-081	9.00	9.27	0.27	8.80	258.2	12.77	276	Main Vein (M)
DH09-082	22.65	24.08	1.43	0.97	40.6	1.59	32	Main Vein (M)
and	30.65	34.00	3.35	0.23	9.9	0.38	7	FW Vein 1 (FW1)
DH09-083	18.50	19.11	0.61	0.23	14.4	0.45	16	Main Vein (M)
DH09-084	21.98	23.73	1.75	0.09	3.8	0.15	-	Main Vein (M)

Table 5: Summary of 2009 Drillhole Assay and Geochemical Results

Hole ID	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Au Eq (Ag:Au=65)	Te (ppm)	Vein ID
DH09-085	22.21	25.49	3.28	0.47	25.0	0.85	18	Main Vein (M)
including	24.77	25.49	0.72	1.17	58.4	2.07	55	Main Vein (M)
DH09-086	23.10	26.50	3.40	0.57	24.7	0.95	10	Main Vein (M)
DH09-087	23.78	27.43	3.65	0.22	10.7	0.38	8	Main Vein (M) w FW
DH09-087	23.78	25.52	1.74	0.17	9.6	0.32	6	Main Vein (M) only
DH09-088	25.73	28.23	2.50	11.46	298.2	16.05	203	Main Vein (M)
including	27.43	28.23	0.80	27.63	561.2	36.26	427	Main Vein (M)
DH09-089	3.20	3.86	0.66	7.52	287.6	11.94	461	HW Vein 2 (HW2)
DH09-089	38.20	40.35	2.15	0.04	5.3	0.12	-	Main Vein (M)
DH09-090	30.00	31.50	1.50	2.74	102.7	4.32	-	HW Vein 1 (HW1)
DH09-090	39.82	43.59	3.77	4.27	133.2	6.32	51	Main Vein (M)
including	40.80	41.75	0.95	9.48	277.8	13.75	185	Main Vein (M)
DH09-090	45.75	48.66	2.91	2.07	64.8	3.07	20	FW Vein 1 (FW1)
DH09-091	25.45	26.84	1.39	0.46	20.1	0.77	-	Main Vein (M)
and	31.90	32.83	0.93	0.25	18.5	0.53	-	FW Vein 1 (FW1)
DH09-092	2.33	5.92	3.59	3.07	117.0	4.87	81	
DH09-092	18.12	20.38	2.26	12.17	441.4	18.96	292	Main Vein (M)
including	18.82	19.52	0.70	29.90	1014.1	45.50	737	Main Vein (M)
DH09-093	19.32	21.07	1.75	6.15	286.5	10.56	160	Main Vein (M)
DH09-094	4.53	5.03	0.50	8.80	129.4	10.79	112	HW Vein 1 (HW1)
and	15.44	16.49	1.05	3.00	36.8	3.57	36	Main Vein (M)
and	38.02	38.51	0.49	4.00	74.4	5.14	86	FW Vein 1 (FW1)
DH09-095	9.00	9.52	0.52	6.00	115.8	7.78	63	HW Vein 1 (HW1)
DH09-095	13.11	15.82	2.71	7.35	129.2	9.34	160	Main Vein (M)
including	13.11	13.85	0.74	17.96	262.3	22.00	363	Main Vein (M)
DH09-095	23.54	24.19	0.65	4.06	38.6	4.65	89	Main Vein (M)
DH09-095	25.50	26.10	0.60	19.00	486.0	26.48	491	Main Vein (M)
DH09-096	23.72	24.09	0.37	3.00	52.1	3.80	19	Main Vein (M)
DH09-096	33.91	35.95	2.04	2.10	264.3	6.17	330	Main Vein (M)
including	34.75	35.00	0.25	10.01	1963.9	40.22	2471	Main Vein (M)
DH09-096	47.60	48.00	0.40	4.98	87.2	6.32	56	Main Vein (M)
DH09-096	49.14	49.83	0.69	2.12	26.7	2.53	39	Main Vein (M)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Core Shack
Heli Pad
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Core Shack
Heli Pad
Drill Holes
Rock Sample Locations
Channel
Chip
Grab
Drillhole Trace
Roads
Underground Development
Golden Odyssey Mining Inc.
Figure 9 - Deer Horn Property
2009 Samples and Drillholes

9 SAMPLING METHOD AND APPROACH

Surface Channel Sampling

In 2009, channel, chip and grab samples were collected by field staff working under the direction of the author. In the Deer Horn adit area, sample locations were selected based on the presence of well-exposed vein material, often where previous work had exposed the vein or veins.

Channel samples 5 cm wide were cut with a gas-powered circular diamond saw to a depth of 4-5 cm and sample material was removed with a chisel and crack hammer. Where possible the channels were cut perpendicular to the interpreted strike of the vein or zone, starting at the footwall and proceeding in a continuous manner across the vein or zone to its contact with the hangingwall or until limited by a lack of rock exposure. Chip samples were also taken across the trend of the vein or zone sampled. Selected grab samples were collected from mineralized outcrop, sub-outcrop or float.

Each sample collected for analysis was described and its location was recorded using hand-held GPS units with an accuracy of 4 m to 8 m. The sample was then placed in a polyethylene bag, given a unique sequential sample number and tag, and sealed with a zap strap. A reference specimen for each sample site was also collected, labeled accordingly, and retained to compare with the analytical results. Photographs of each sample location site were also taken (Figure 11). Because of the low number of samples collected in 2009 blanks, duplicates and standards were not inserted into the sample stream, but standard laboratory checks served to provide quality control.

Diamond Drill Core Sampling

Drill core was logged for geological and geotechnical properties. Each section of core to be sampled was clearly identified, marked with a centre-line and halved using a water-cooled diamond saw. Half of the core from each sample interval was then placed in a polyethylene bag, given a unique sequential sample number and tag, and sealed with a zap strap. A corresponding tag was stapled to the core box for each sample interval.

Six-hundred- and-sixty (660) core samples were labeled, cut and bagged. One-hundred-and-twenty-three (123) quality control samples (blanks, standards and duplicates) were inserted into the sample stream at regular intervals following a prescribed sequence. All of the samples were recorded on shipment forms as they were readied for shipment.

10 SAMPLE PREPARATION, ANALYSES AND SECURITY

All 2009 rock and core samples were packed into sealed and tamper-proof 5-gallon pails and transported to the Inspectorate IPL Laboratories in Richmond, BC, for analysis. Geochemical analysis was performed by Inspectorate who implements a quality system compliant with the International Standards Organization (ISO) 9001:2000 Model for Quality Assurance.

All 2009 rock and core samples were crushed and pulverized and the resulting sample pulps were analyzed. The rock samples were jaw crushed until 70% passed through a -10 mesh (2 mm) screen. The sample was split and a 250 g riffle split sample was then pulverized in a mild-steel ring-and-puck mill until 95% passed through a 150 mesh (100 µm) screen. The remaining coarse reject portions of the samples remain in storage at Inspectorate-IPL.

Samples were analyzed for 30 elements + Te by Inductively Coupled Plasma (ICP)/Atomic Emission Spectroscopy (AES)/Aqua-Regia Acid Digestion (AqR) and for gold by Fire Assay (FA)/Atomic Absorption Spectroscopy (AAS). Any samples assaying >1.0 g/t Au or >50.0 g/t Ag were re-analyzed using a Gravimetric finish. A check assaying procedure of selected samples has also been initiated.

11 DISCUSSION AND CONCLUSION

The Deer Horn property hosts a significant west-trending gold-silver-tellurium vein system. The veins developed within and in the immediate hangingwall of a local thrust fault that places foliated quartz diorite of pre-Jurassic age on clastic sedimentary rocks of lower Cretaceous age.

The 2009 diamond drilling took place over a 320 m strike length of the vein system. The Main vein generally has a gentle north dip and crops out up to 250 m south of the surface trace of the thrust fault. The Contact zone developed within and in the immediate hangingwall of the thrust fault and has a moderate south dip. The vein system is offset by a number of northwest and northeast-trending post-mineral faults that create a number of individual vein segments. Gold-silver grades are erratic in both the Main vein and Contact zone. The highest grades of gold-silver vein mineralization are associated with elevated levels of tellurium, bismuth, mercury and zinc, lead and copper. Tungsten and molybdenum levels are locally anomalous, but vary considerably.

A total of 35 NQ and HQ diameter diamond drillholes, with an aggregate length of 1706 m, were completed on the Deer Horn property during October and early November, 2009. Drilling targeted the two known west-trending mineralized structures, the Main Vein and Contact Zone, over a strike length of 320 m in the vicinity of the Deer Horn adit. Most of the bore holes were drilled on an azimuth of either 180 or 360 degrees, and were shallow, with lengths ranging from 23.77 m to 79.20 m. Gold and silver grades are erratic in both the Main vein and Contact zone. The highest grades of gold and silver are associated with elevated levels of tellurium, bismuth, mercury and zinc, lead and copper. Tungsten and molybdenum levels are locally elevated, but vary considerably. The 2009 drilling encountered excellent gold-silver grades in both the Main Vein and Contact Zone.

Main Vein assay highlights include:

- 10.95 g/t Au, 162.4 g/t Ag and 237 g/t Te over 2.90 m (including 34.98 g/t Au, 497.0 g/t Ag and 879 g/t Te over 0.3 m) in drillhole DH09-061
- 28.83 g/t Au, 890.4 g/t Ag and 665 g/t Te over 2.05 m (including 51.00 g/t Au, 1573.3 g/t Ag and 1188 g/t Te over 1.05 m) in drillhole DH09-068
- 7.39 g/t Au, 339.8 g/t Ag and 251 g/t Te over 3.26 m (including 10.75 g/t Au, 469.5 g/t Ag and 369 g/t Te over 2.10 m) in drillhole DH09-077

- 11.46 g/t Au, 298.2 g/t Ag and 203 g/t Te over 2.50 m (including 40.40 g/t Au, 979.3 g/t Ag and 671 g/t Te over 0.30 m) in drillhole DH09-088
- 12.17 g/t Au, 441.4 g/t Ag and 292 g/t Te over 2.26 m (including 29.90 g/t Au, 1014.1 g/t Ag and 737 g/t Te over 0.70 m) in drillhole DH09-092.

Contact Zone assay highlights include:

- 7.23 g/t Au, 197.7 g/t Ag and 207 g/t Te over 3.80 m in drillhole DH09-065
- 3.43 g/t Au, 108.0 g/t Ag and 117 g/t Te over 28.16 m (including 27.60 g/t Au, 718.1 g/t Ag and 863 g/t Te over 0.75 m, and including 12.39 g/t Au, 393.4 g/t Ag and 409 g/t Te over 2.40 m) in drillhole DH09-072
- 3.37 g/t Au, 172.4 g/t Ag and 160 g/t Te over 9.35 m (including 15.20 g/t Au, 635.7 g/t Ag and 199 Te over 0.75 m) in drillhole DH09-075

The junction of the two mineralized structures at depth was regarded to be a high priority exploration target for Golden Knight Resources Inc. It assessed the potential for economic bulk tonnage gold-silver mineralization at Deer Horn by gearing the bulk of its 1989-1990 diamond drilling toward this thesis. Results from its drilling program outlined a 400 m long, south-dipping, shallow east-plunging shoot that is open to the east, to the west and down-plunge. Drill hole 90-57, one of the last holes drilled by Golden Knight, encountered significant grades of gold and silver toward the western end of the vein system. Drill hole 90-57 was located approximately 210 m west of the adit entrance and intersected 11.2 m averaging 14.36 g/t Au, 781.5 g/t Ag, including a 3.0 m interval that graded 37.73 g/t Au and 2065 g/t Ag. Twinning of drillhole 90-57 encountered a broad zone of weaker grade mineralization (3.43 g/t Au, 108.0 g/t Ag and 117 g/t Te over 28.16 m, including 27.60 g/t Au, 718.1 g/t Ag and 863 g/t Te over 0.75 m, and including 12.39 g/t Au, 393.4 g/t Ag and 409 g/t Te over 2.40 m in drillhole DH09-072). Although not as high-grade as the intersection encountered in drillhole 90-57, this result underscores the potential for bulk tonnage mineralization.

Regional mapping indicates that the thrust fault is truncated approximately 1 km east of the Deer Horn adit by Eocene granodiorite. West of the Deer Horn adit, the thrust fault is offset to the north by a northeast-trending lateral fault, but the thrust appears to continue its westerly trend for several kilometers toward the western edge of the property. If the presence of the thrust fault in this area can be confirmed it may provide opportunity for additional discoveries of precious metal vein mineralization.

In summary, the Deer Horn property hosts an intriguing west-trending gold-silver-tellurium vein system of suspected Eocene age. The 2009 diamond drilling program verified and built upon the historical data set for the Deer Horn property (Appendix E; Appendix F) and has confirmed the property's potential to host an economic gold-silver orebody.

It is the authors' opinion that the Deer Horn property merits advanced levels of exploration, including: additional close-spaced diamond drilling to further define the geometry, size and tenor of the Main Vein and Contact Zone, extraction of a bulk sample for metallurgical testwork, and expansion of 3D Induced

Polarization and magnetometer surveys to assist in location of extensions to the zones. A recommended exploration program is presented below.

12 RECOMMENDATIONS

It is recommended that exploration of the Deer Horn property continue and consist of:

1. Detailed structural mapping of surface showings and underground workings and review of 2009 drill core. The estimated cost for structural mapping is approximately $30,000.
2. A localized trenching program to ascertain the dimension and tenor of Main vein segments and to determine priority areas for potential future bulk sampling and/or low-cost surface mining. The estimated cost for the trenching program is approximately $80,000.
3. A systematic diamond drilling program (up to 3600 m of drilling from up to 32 drill sites) targeting both the near surface, high-grade gold-silver potential of the Main vein and the bulk tonnage gold-silver potential offered by the Contact zone. The estimated cost for the drilling program is approximately $1,600,000.
4. Improvements to the access road to the site that begins at a barge landing on the south end of Whitesail Lake. The estimated cost for mobilization of crew and equipment and access rehabilitation is approximately $410,000.
5. Extension of the 3D IP and Magnetometer surveys to cover areas west and east of those previously surveyed. The estimated cost for the reconnaissance geophysical surveying program is approximately $160,000.
6. An assessment of the significant tungsten and molybdenum showings located west and east, respectively of the Deer Horn adit, with follow-up geophysical surveying (3D IP), trenching and/or diamond drilling should results warrant. The estimated cost for the reconnaissance assessment only of tungsten and molybdenum showings is approximately $20,000.
7. Completion of an environmental baseline assessment of the property. The estimated cost is approximately $100,000.

It is recommended that Golden Odyssey proceed with the program as early as possible in 2010 to allow for the 10-12 week program to be completed prior to the onset of winter conditions. Following completion of the fieldwork, compilation of all existing data should ensue and be followed by the estimation of a 43-101 compliant mineral resource and a preliminary economic evaluation of the project. The estimated cost of this work is $100,000.

The overall estimated cost for the proposed program is $2.50 million.

13 ITEMIZED COST STATEMENT

Personnel	Position	Dates Worked	# Days	Rate/day	Amount	TOTALS
Gifford, Scott	Project Manager	Sept 15 - Nov 15	66.00	600.00	39,600.00	
Szerensci, Peter	Statistics Coordinator/Data Entry	Sept 15 - Nov 15	60.00	360.00	21,600.00	
Diaz, Rafael	Field Chief/Geological Assistant	Sept 16 - Oct 28	43.00	480.00	20,640.00	
Huffels Harry	Logistics Manager	Sept 15 - Nov 15	55.00	480.00	26,400.00	
Dixon, Michael	General Labourer	Sept 16 - Oct 28	43.00	300.00	12,900.00	
Tigchelaar, Dan	Camp Chef/Level III First Aid	Sept 21 - Oct 28	38.00	462.00	17,556.00	
Gifford, Jeffrey	Carpenter/Core Technician	Sept 21 - Oct 28	43.00	377.50	16,232.50	
Haywood, Kenton	Carpenter Assistant/Camp Maint.	Sept 21 - Oct 28	43.00	330.00	14,190.00	
Bonshor, Buddy	General Labourer (Mob Helper)	Sept 15, 23/09	2.00	245.00	490.00	
MacDougal, Cameron	General Labourer (Mob Helper)	Sept 15/09	1.00	240.24	240.24	
Leonard, Richard	Carpenter/Core Technician	Sept 16 - Oct 28	43.00	462.00	19,866.00	
Leonard, Jean	Carpenter/Mechanic	Sept 15 - Nov 15	60.00	480.00	28,800.00	
Kummerfield, Jordan	Assistant Chef	Sept 23 - Nov 5/09	39.00	330.00	12,870.00	
Chambers, Erl	Camp Logistics/Truck Driver	Oct 24 - Nov 10/09	18.00	420.00	7,560.00	
MacPherson, James	General Labourer	Nov 6-9/09	4.00	436.80	1,747.20	
			558.00		240,691.94	240,691.94

General & Geological Consulting Services	Dates Worked	Hrs/Days	Rate	Amount	
Allnorth Consultants Ltd	Sept 1 - Nov 15/09	217	138.00	29,946.00	
B.K. (Barney) Bowen	Sept 16 - Oct 20/09	28	600.00	16,800.00	
Plateau Minerals Corp.	Sept 16 - Dec 15/09	39.5	780.00	30,810.00	
		82.00		77,556.00	77,556.00

Diamond Drilling	Dates Worked	Metres	Rate	Amount	
Radius Drilling Corp.	Sept 28 - Nov 3/09	1706	164.86	281,258.87	
				281,258.87	281,258.87

Core Boxes, Field Supplies, Freight			
Phils Boxes Ltd.	Core Boxes	11,812.80	
Field Supplies	Misc Field and Camp Supplies	27,126.05	
Freight		13,749.71	
		52,688.56	52,688.56

Fuel		Amount	
Petro Canada, Northwest Fuels Ltd, Chevron, Mohawk Husky Oil,			
Load Em Up Petroleums Ltd, Superior Propane, Imperial Oil,			
Miday Service, Co-op Gas Bar, Rainbow West Helicopter		71,859.48	71,859.48

Assays		Samples	Rate	Amount	
Inspectorate IPL Labs	core & rock samples	868	39.06	33,905.06	33,905.06

Communications - Sat Phone		Amount	
Infosat Iridium		3,134.88	3,134.88

Other Operations - Heavy Equipment	Dates Worked	Days	Rate/Hr/Day	Amount	
Tontka Contracting - Caterpillar D8K Operator	Oct 7 - Nov 8/09	396	50.00	19,800.00	
Rossco Hauling Ltd. - Bulk Fuel Transport	Sept 30/09	1.00	-	1,881.00	
Silverwater Enterprises - Caterpillar D8K Operator/Mechanic	Oct 1 - Nov 15/09	46.00	876.13	22,680.00	
				44,361.00	44,361.00

Expediting Services		Amount	
Skeena Expediting		3,789.00	
Radius Drilling		480.00	
		4,269.00	4,269.00

Equipment Pickup & Delivery	Dates Worked	Days	Rate/Hr/Day	Amount	
Al's Towing and Deck Services	Nov. 8-9/09	2.00		1,200.00	
Pacific Central Carriers	Sept 16-17/09	2.00		3,468.00	
				4,668.00	4,668.00

Room & Board - Site		Days	Rate	Amount	
Crew, Drillers, Contractors	Sept 15 - Nov 10/09	983	180.00	176,940.00	176,940.00

Travel - Helicopter, Float Plane		Days/Hrs	Rate	Amount	
Rainbow West Helicopters	Sept 20/09	2.20	1,140.00	2,508.00	
Canadian Helicopter Limited	Sept 22 - Nov 7/09	61.40	1,602.62	98,401.04	
Lakes District Air Services Ltd	Sept 25,26,29; Nov 3,4,7/09			15,093.00	
Alpine Lakes Air	Sept 19,24,29,30; Oct 1,2,5,8,9,15,17,19,26,27/09			42,864.00	
				158,866.04	158,866.04

Transportation - Travel to/from Field		Amount	
Hotels & Accomodation, Meals - Crew		12,273.46	
Airfare: Air Canada, Westjet, Hawk Air		9,268.57	
		21,542.03	21,542.03

Rentals - Barge, Dozer, Excavator, Transport Trucks, Field Equipment		Days/Hrs	Rate	Amount	
Ambroy Equipment Ltd	Two 100-ton barges, tugboat, crew, insurance		4665.6	26,593.85	
Silverwater Enterprises	CAT D8 & Trailer	46.00		50,268.00	
Steelhead Excavating	Volvo 210 Excavator w operator	46.00	180.00	88,920.00	
Harbour Idealease	2004 INT 24' Cube Van			6,377.30	
Harbour Idealease	2005 INT 24' Cube Van			1,815.14	
Canadian Car & Truck	2009 Ford F350 w mileage			10,357.18	
Mountainside (MEMI)	ATVs, GenSets, Fuel Sloop, Chain Saws, Microscope & field equipment			95,786.40	
				280,117.87	280,117.87
					1,451,858.73

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15 STATEMENT OF QUALIFICATIONS

I, Robert (Bob) A. Lane, PGeo, residing in Prince George, B.C., do hereby certify that:

1. I am currently employed as a consulting geologist by Plateau Minerals Corp, located at 2606 Carlisle Way, Prince George, British Columbia, Canada, V2K 4H9.
2. I obtained a Master of Science degree with Specialization in Geology in 1990 from the University of British Columbia.
3. I have worked as a geologist for more than 20 years since my graduation from university.
4. I am a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #18993, and have been a member in good standing since 1992.
5. I participated in the 2009 exploration surface sampling and diamond drilling programs that took place in July 2009 and from September 25 to November 3, 2009. This report presents and summarizes the data acquired during the 2009 field season.
6. I am the author of this report on the Deer Horn project entitled "2009 Diamond Drilling Report on the Deer Horn Project" dated May 12, 2010.

Dated this 12th day of May, 2010, at Prince George, British Columbia.

Robert (Bob) A. Lane, MSc, PGeo

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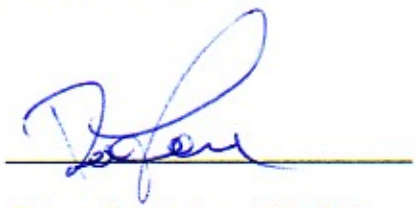


Robert (Bob) A. Lane, MSc, PGeo

APPENDIX A

GEOLOGICAL DRILLHOLE LOGS

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 1-2, 2009
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: October 6, 2009
Hole:	DH09-061			Dip:	-57	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613973	5913912	Elevation:	1272.2	End of Hole (TD): 30.48 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	11.45	dk. grey-grn.	mod-strongly		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
11.45	12.9	white to loc.	massive to		qtz, Mt, Py	**MAIN VEIN (MV)**
		dk grey	well-fract'd		Cp, Po	HW contact irregular @ 70 CA; FW contact sharp @ 55 CA; contains well-
						mineralized (Py, Cp, Po, Mt - TS/O = 5%) interval from 12.15 - 12.45 m
12.9	19	dk. grey-grn.	moderately		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
19	19.5	white	massive to		qtz, Py, Cp,	**QUARTZ VEIN (QV)**
			weakly fract'd		Po, Gal	HW & FW contacts @ 50 CA; weakly mineralized (Py, Cp, Po, Gal - TS = <0.5%)
19.5	23.30	dk. grey-grn.	moderately		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
23.30	24.65	med. grey to	strongly fol'd			**METASEDIMENT?**
		brown	or banded			Gradational contact w/ QD above; thinly-banded, alternately grey & brown bands
24.65	30.48	light grey	non-foliated,		qtz, plag, Bi,	**GRANODIORITE (GD)**
			equigranular		orthoclase	

	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	11.45	foliation	35-40		QD is moderately to strongly foliated
	at 11.45		vein contact	70	irregular	HW contact Main Vein
	at 12.90		vein contact	55	sharp	FW contact Main Vein
	12.9	19	foliation	35-40		QD is moderately foliated
	at 19		vein contact	50	sharp	HW contact QV
	at 19.5		vein contact	50	sharp	FW contact QV
	19.50	23.30	foliation	35		QD is moderately foliated
	23.30	24.65	foliation or banding	30		Unit is strongly foliated or banded
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	11.45	chlorite	15-20		Chlorite after hbld & in quartz veins
			sericite	2		Minor sericite along foliation planes
	6	11.45	silica	5	25-50 CA	Quartz vlts & veins to 3 cm wide @ 25-50 CA
	11.45	12.90	silica	98		Main Vein
	12.9	19	chlorite	15-20		Chlorite after hbld & in quartz veins
	12.9	19	sericite	4		Minor sericite along foliation planes; locally, weakly pervasive
	12.9	19	silica	10		Quartz vlts & veins to 10 cm wide @ 25-40 CA
	19	19.5	silica	>99		Quartz vein
	19.5	23.3	chlorite	15		Chlorite after hbld & in quartz veins
	19.5	23.3	sericite	4		Minor sericite along foliation planes; locally, weakly pervasive
	19.5	23.3	silica	<5		Quartz vlts & veins to 5 cm wide @ 25-80 CA
	19.5	23.3	epidote	2		Minor epidote locally (associated w/ qtz vns)
	23.30	24.65	silica	5		Quartz vlts & veins to 10 cm wide @ 35-60 CA
	23.30	24.65	sericite	5		Minor sericite along foliation planes; locally, weakly pervasive
	24.65	30.48	silica	2		Quartz vlts to 2 cm wide @ 50-60 CA

	24.65	30.48	chlorite	10		Chlorite after biotite
	24.65	30.48	carbonate	trace		Rare carbonate vlts. on hairline fractures
	24.65	25.70	sericite	15		Sericite common along foliation planes in foliated (sheared?) GD at top of unit
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	11.45	in qtz. vns		Py (<0.5)	
	3.05	11.45		diss. & vlts.	Py (<0.5)	
	at 10.6		in qtz. vlt.		Cp (trace)	w/ 0.5% Py in 3 mm qtz. vlt. @ 35 CA
	12.15	12.45	in qtz vn		Py(1.5), Cp	Also trace light grey metallic mineral
					(1.5), Mt(1)	
					Po(1)	
	12.9	19	in qtz. vns		Py (1)	
	12.9	19		diss.	Py (2)	
	at 16.7		in qtz. vlt.		Cp (trace)	w/ 3.5% Py in 4 mm qtz. vlt. sub-parallel to CA
	at 17.2		in qtz. vlt.		Po(1)	w/ 2% Py in 5 mm qtz. vlt. @ 50 CA
	at 18.2		in qtz. vlt.		Cp (trace)	w/ 2% Py + Po in 5 mm qtz. vlt. @ 30 CA
	19	19.5	in qtz vn	blebby	Py, Cp, Po,	TS = <0.5%
					Gal	
	19.5	23.3	in qtz. vns		Py (<0.5)	
	19.5	23.3		diss.	Py (<0.5)	
	23.30	24.65	in qtz. vns		Py (1.5)	
	23.30	24.65		diss.	Py (<0.5)	
	at 24.35		in qtz vn	blebby	Py(2), Cp(2)	Blebby Cp & Py in 10 cm qtz vein @ 30 CA
	24.65	30.48	in qtz. vns		Py (trace)	
	24.65	30.48		diss.	Py (trace)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 2-3, 2009
Project:	Deer Horn			Azimuth:		Date(s) Logged: October 7, 2009
Hole:	DH09-062			Dip:	-90	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613973	5913912	Elevation:	1272.2	End of Hole (TD): 39.62 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	15.3	dk. grey-grn.	moderately		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
15.3	18.35	white to loc.	massive to		qtz, Mt, Py	**MAIN VEIN (MV)**
		yellow-white	well-fract'd		Cp, Lim	HW contact sharp @ 50 CA; FW contact sharp @ 80 CA; Mt most abundant S/O,
						comprising ~5% of vein; Lim stains portions of the vein a light yellow colour
18.35	21.55	lt. grey to	weakly fol'd		plag, qtz,	**QUARTZ DIORITE? (QD)**
		buff	locally			Textures vague, locally weakly foliated; strongly Qz-Sr altered
21.55	39.62	light grey	non-foliated,		qtz, plag, Bi,	**GRANODIORITE (GD)**
			equigranular		orthoclase	

	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	15.3	foliation	45-60		QD is moderately foliated
	at 15.3		vein contact	50	sharp	HW contact Main Vein
	at 18.35		vein contact	80	sharp	FW contact Main Vein
	18.35	21.55	foliation	50		Rock is weakly foliated locally

	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	8.4	Cl	15-20		Cl after hbld & in quartz veins

	3.05	8.4	Sr	3		Minor Sr along foliation planes
	3.05	8.4	Ca	Tr		Rare Ca hairline fracture-fillings; general HCL "fizz test" negative
	3.05	8.4	Qz, Ep	Qz(<5)		Qz vlts to 5 cm wide w/ minor associated Ep
	8.40	15.30	Cl	15		Cl after hbld & in quartz veins
	8.40	15.30	Sr	5		Minor Sr along foliation planes & locally mod. pervasive adjacent to some Qz vns
	8.40	15.30	Qz	15		Qz vlts & veins to 20 cm wide @ 35-80 CA
	8.40	15.30	Ep	2		Minor Ep associated w/ some Qz vlts/vns & also diss.
	8.40	15.30	Ca	3		Rare Ca hairline fracture-fillings; general HCL "fizz test" negative; @ 10.5 m, 8 cm
						wide vuggy Ca vn @ 50 CA
	15.3	18.35	Qz	>90		Massive white vein quartz; locally stained yellow from Lim induration;
	15.3	18.35	Cl	2		Minor Cl in Main Vein
	18.35	21.55	Qz	50		Rock is strongly pervasively silicified (30%) & moderately Qz-veined (20%)
	18.35	21.55	Sr	10		Locally rock is pervasively sericitized
	18.35	21.55	Ca	1		Locally Ca hairline fracture-fillings; general HCL "fizz test" negative
	21.55	39.62	Qz	25		Rock is locally pervasively silicified (15%) & weak-moderately Qz-veined (10%)
	21.55	39.62	Cl	10		After primary Bi
	21.55	39.62	Sr	4		Along fractures & locally moderately pervasive
	21.55	39.62	Ca	1		Very minor hairline Ca fracture-fillings; general HCL "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	8.4		diss.	Py (<0.5)	
	3.05	8.4		on fractures	Lim (<0.5)	Minor Lim coating occasional fractures
	8.4	15.3	in Qz vns/vlts		Py (1-2)	
	8.4	15.3		diss.	Py (1-2)	
	8.4	15.3	in Qz vns/vlts		Cp(<0.5)	Minor Cp diss. & blebs in Qz vns & vlts
	at 13.70		in Qz vn	bleb	Gal (tr)	One bleb Gal noted in 20 cm wide Qz vn @ 50 CA
	at 14.60			diss.	Cp (0.5) &	Minor diss. Cp & Gal in silicified QD
					Gal (<0.5)	
	15.30	18.35	Massive		Mt (5)	Mt is the most dominant S/O in this MV intercept

	15.30	18.35		diss. & blebs	Py(1.5)	Diss. & blebby Py & Cp occur in Qz & w/in massive Mt aggregates
					Cp (<0.5)	
	15.30	18.35	induration	fractues	Lim (1-2)	
	18.35	21.55	in qtz. vns		Py (0.5)	
	18.35	21.55		diss.	Py (1.5)	
	18.35	21.55	in qtz. vns	diss. & blebs	Mt(3), Po(1)	
					Cp(0.5)	
	18.35	19.1		on fractures	Lim(tr)	Weak oxidation (Lim on fractures) extends down to 19.1 m
	21.55	39.92	in qtz. vns		Py (<0.5)	
	21.55	39.92		diss. & (fract)	Py (0.5)	
	21.55	39.92	in qtz. Vlts	diss.	Mt(1), Cp (tr)	

Company:	Golden Odyssey			Casing:	2.4	Date(s) Drilled: October 3-4, 2009
Project:	Deer Horn			Azimuth:	360	Date(s) Logged: October 8, 2009
Hole:	DH09-063			Dip:	-70	Start of Hole (top of bedrock): 2.4 m
Collar Location:		613973	5913918	Elevation:	1273.0	End of Hole (TD): 76.2 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.4					**CASING**
2.4	19.1	dk. grey-grn.	moderately		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
19.1	20.8	white to loc.	massive to		qtz, Mt, Cl	**MAIN VEIN (MV)**
		yellow-white	mod.-fract'd		Py, Cp, Lim	Blebby Mt common, otherwise sparse sulphides (minor Py, trace Cp); Lim locally
						stains the vein a light yellow-brown colour
20.8	39.9	lt. grey; loc.	non-foliated		plag, qtz, Cl	**QUARTZ DIORITE? (QD)**
		grey-grn.	to wkly. fol'd			Textures vague, locally weakly foliated; moderately to strongly pervasively silicified;
			locally			mod. pervasive Sr locally
39.9	45.35	lt. to dk. grey	mod. - str.		Qz, Sr, plag,	**GREYWACKE?**
			fol'd or bd'd		Cl	Moderately to strongly silicified & locally sericitized; textures vague, granular
45.35	51.6	med to dark	mod. - str.		Qz, Sr, Ep	**EPIDOTE-ALTERED SEDIMENT**
		grey to green	fol'd or bd'd		plag, Cl	Characterized by zones up to 0.2 m wide of complete Ep replacement; some
						portions of interval characterized by plag phenos to 3-4 mm - possible porphyry
						dike?
51.6	52.2	white	massive to		Qz, Mt, Py,	**QUARTZ VEIN**
			weakly-fract'd		Cp, Po, Cl	5% blebby Mt; otherwise sparse diss. Py, Cp, Po
52.2	59.3	med to dark	mod. - str.		Qz, Sr, Ep	**EPIDOTE-ALTERED SEDIMENT**

		grey to green	fol'd or bd'd		plag, Cl	Similar to 45.35 - 51.6 m, except zones of Ep replacement to 0.1 m wide; possibly
						minor plag porphyry diking present in interval
59.3	61.2	med. grey	weakly fol'd		Qz, Sr, plag,	**GREYWACKE?**
					Cl	Locally pervasively sericitized; minor pervasive silica; textures vague, granular
61.2	76.2	med. grey	massive		Qz, Sr, plag,	**SILICIFIED SEDIMENT?**
						Strongly silicified rock; textures vague, but appears granular, not crystalline
EOH @ 76.2 m						
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	2.4	19.1	foliation	50-60		QD is moderately foliated
	at 19.1		vein contact	75	sharp	HW contact Main Vein
	at 20.8		vein contact	50	sharp	FW contact Main Vein
	20.8	39.9	foliation	50-60		Rock is weakly foliated locally; defined by alignment of Sr along foliation planes
	39.9	45.35	foliation or	45		Generally well-foliated or banded
			banding			
	45.35	51.6	foliation or	40		
			banding			
	at 51.6		vein contact	45		HW contact Qz Vein
	at 52.2		vein contact	40		FW contact Qz Vein
	52.2	59.3	foliation or	40-45		Generally well-foliated or banded
			banding			
	59.3	61.2	foliation or	50		Weakly foliated
			banding			
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.4	17.7	Cl	15-20		Cl after hbld & in quartz veins

	2.4	17.7	Ep	3		As patchy pervasive locally & in Qz vns
	2.4	17.7	Qz	5		Qz vlts & veins to 5 cm wide @ 30-60 CA
	2.4	17.7	Sr	4		Minor Sr along foliation planes & locally moderate pervasive alteration
	2.4	17.7	Ca	1		Rare Ca hairline fracture-fillings; general HCL "fizz test" negative
	17.70	19.10	Cl	15		Cl after hbld & in quartz veins
	17.70	19.10	Ep	2		As patchy pervasive locally & very minor in Qz vns
	17.70	19.10	Qz	20		Qz vlts & veins to 15 cm wide @ 60-80 CA
	17.70	19.10	Sr	10		Sr along foliation planes & locally moderate pervasive alteration
	17.70	19.10	Ca	1		Rare Ca hairline fracture-fillings; general HCL "fizz test" negative
	19.1	20.8	Qz	>90		Massive white vein quartz; locally stained yellow-brown from Lim induration;
	19.1	20.8	Cl	4		Minor Cl in Main Vein
	20.8	25	Qz	60		Rock is strongly pervasively silicified (30%) & mod. - strongly Qz-veined (30%)
	20.8	25	Sr	10		Locally rock is pervasively sericitized; also Sr along vague foliation planes
	20.8	25	Cl	3		Cl after mafics in remnant zones that not as strongly silicified
	20.8	25	Ca	nil		General HCL "fizz test" negative
	25	39.9	Qz	40		Rock is mod.- strongly pervasively silicified (25%) & moderately Qz-veined (15%)
	25	39.9	Sr	15		Locally rock is pervasively sericitized; also Sr along vague foliation planes
	25	39.9	Cl	3		Cl after mafics in remnant zones that not as strongly silicified
	25	39.9	Ca	<1		Very minor hairline Ca fracture-fillings; general HCL "fizz test" negative
	39.9	45.35	Qz	20		Rock is locally pervasively silicified (15%) & weakly Qz-veined (5%)
	39.9	45.35	Sr	20		Rock is moderately pervasively sericitized
	39.9	45.35	Cl	3		In Qz vns & locally patchy pervasive
	39.9	45.35	Ca	nil		General HCL "fizz test" negative
	45.35	51.6	Qz	15		Rock is locally pervasively silicified (10%) & weakly Qz-veined (5%)
	45.35	51.6	Ep	30		Sections up to 0.2 m wide are completely replaced by Ep; minor Ep in Qz vns
	45.35	51.6	Cl	10		Locally patchy pervasive; also in Qz vns
	45.35	51.6	Sr	5		Locally patchy pervasive
	45.35	51.6	Ca	5		Minor hairline Ca fracture- fillings; also HCL "fizz test" weakly positive in Ep
						altered sections
	51.6	52.2	Qz	>90		Massive white vein quartz

	51.6	52.2	Cl	2		
	52.2	59.3	Qz	25(~)		Rock is locally pervasively silicified (20%) & weakly Qz-veined (<5%)
	52.2	59.3	Ep	20		Sections up to 0.1 m wide are completely replaced by Ep; minor Ep in Qz vns
	52.2	59.3	Cl	2		In Qz vns
	52.2	59.3	Ca	1		Minor hairline Ca fracture- fillings; HCL "fizz test" negative in Ep altered sections
	59.3	61.2	Sr	10		Rock is locally pervasively sericitized
	59.3	61.2	Qz	5		Rock is locally silicified; Qz vns/vlts absent
	59.3	61.2	Cl	3		Locally patchy pervasive
	59.3	61.2	Ep	2		Locally patchy pervasive
	59.3	61.2	Ca	5		Minor hairline Ca fracture- fillings; also HCL "fizz test" weakly positive
	61.2	76.2	Qz	40		Rock is strongly silicified; very minor Qz vlts.
	61.2	76.2	Sr	10		Rock is locally pervasively sericitized
	61.2	76.2	Cl	3		Minor Cl in Qz vlts & occasional patches
	61.2	76.2	Ca	2		Minor hairline Ca fracture- fillings; HCL general "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	2.4	17.7	in Qz vns/vlts		Py (1-2)	
	2.4	17.7		diss.	Py (1-2)	
	2.4	17.7		on fractures	Lim (tr)	Very minor Lim coating occasional fractures
	2.4	17.7	in Qz vns/vlts		Cp (tr)	Very minor Cp diss. in Qz vns & vlts
	17.1	19.1	in Qz vns/vlts		Py (1.5)	
	17.1	19.1		diss.	Py (1)	
	17.1	19.1	indurated	on fractures	Lim (3)	Minor Lim coating fractures & indurating (soaking) vein Qz
	17.1	19.1	in Qz vns/vlts		Cp(<0.5)	Minor Cp diss. in Qz vns & vlts
	19.10	20.8	blebby		Mt (4)	Mt is the most common Su/Ox in this MV intercept
	19.10	20.8	induration	on fractures	Lim (3)	Minor Lim coating fractures & indurating (soaking) vein Qz
	19.10	20.8		diss.	Py (<0.5)	
	19.10	20.8		diss.	Cp (tr)	
	20.8	25	in qtz. vns		Py (<0.5)	
	20.8	25		diss.	Py (0.5)	

	20.8	25	induration	on fractures	Lim (3)	Lim coating fractures & indurating (soaking) some vein Qz locally
	20.8	25	in qtz. vns &	diss. & blebs	Cp(<0.5) &	
			in sil'd rock		Po (<0.5)	
	25	39.9	in qtz. vns		Py (<0.5)	
	25	39.9		diss.	Py (<0.5)	
	25	39.9	in qtz. vns &	diss. & blebs	Cp(<0.5) &	
			in sil'd rock		Po (tr)	
	at 31.6		in qtz. vn		Mt(30), Py(1)	Massive Mt, minor Py & trace Cp diss. in 10 cm wide Qz vn @ 50 CA
					Cp(tr)	
	39.9	45.35	in qtz. vns		Py (<0.5)	
	39.9	45.35		diss.	Py (1)	
	39.9	45.35	in Qz-Sr alt'd	diss. & blebs	Cp(<0.5) &	
			rock		Po (<0.5)	
	at 44.7		in Qz vlt.	diss.	Gal (<0.5)	Minor diss. Gal in 5 mm wide Qz vlt. @ 40 CA
	45.35	51.6	in Qz vns		Py (<0.5)	
	45.35	51.6		diss. & blebs	Py (0.5)	
	45.35	51.6	in Qz vns	diss.	Cp (tr)	
	51.6	52.2	blebby		Mt (5)	Mt is the most common Su/Ox in this Qz vn intercept
	51.6	52.2	in Qz vn	diss.	Py (<0.5)	Sparse Py, Cp & Po diss.
					Cp (tr), Po(tr)	
	52.2	59.3	in Qz vns		Py (tr)	
	52.2	59.3		diss. & blebs	Py (<0.5)	
	59.3	61.2		diss.	Py (<0.5)	
	61.2	76.2	in Qz vns		Py (<0.5)	
	61.2	76.2		diss.	Py (<0.5)	
	61.2	76.2		diss.	Cp (tr), Po(tr)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 4-5, 2009
Project:	Deer Horn			Azimuth:	360	Date(s) Logged: October 10, 2009
Hole:	DH09-064			Dip:	-50	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613973	5913918	Elevation:	1273.0	End of Hole (TD): 73.2 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	35.9	dk. grey-grn.	weak-mod.		plag, qtz,	**QUARTZ DIORITE (QD)**
			foliated		hbld	
35.9	41.35	med to dark	mod. - str.		Qz, Sr, Ep	**EPIDOTE-ALTERED SEDIMENT**
		grey to green	fol'd or bd'd		plag, Cl	Bands of almost complete Ep replacement alternate w/ medium to dark-coloured
						wacke bands
41.35	59.1	lt. grey; loc.	non-foliated		plag, qtz, Cl	**QUARTZ DIORITE? (QD?)**
		medium grey	to wkly. fol'd			Textures vague, locally weakly foliated; moderately to strongly pervasively silicified;
			locally			mod. pervasive Sr locally
59.1	73.2	dk. grey to	mod. - str.		Qz, plag,	**SILTSTONE (SL)**
		medium brn.	fol'd or bd'd		Cl	Top of interval possible coarse wacke, but quickly grades into finely banded, dark
						grey & medium brown coloured siltstone
EOH @ 73.2 m						

	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	35.9	foliation	60-75		QD is weakly to moderately foliated
	35.90	41.35	foliation or	75		
			banding			
	41.35	59.1	foliation	50-60		Foliation obscured due intense alteration
	59.10	73.2	bedding	45-70		finely bedded

	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	11.6	Cl	20		Cl after hbld & in quartz veins
	3.05	11.6	Ep	5		In Qz vns & along hairline fractures
	3.05	11.6	Qz	10		Qz vlts & veins to 5 cm wide @ 30-85 CA
	3.05	11.6	Sr	5		Minor Sr along foliation planes & locally weak pervasive alteration
	3.05	11.6	Ca	3		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	11.60	14.25	Cl	15		Cl after hbld & in quartz veins
	11.60	14.25	Qz	35		Qz vlts & veins (35%) to 10 cm wide @ 30-70 CA (70 most common)
	11.60	14.25	Sr	10		Sr along foliation planes & locally weak pervasive alteration
	11.60	14.25	Ep	2		Minor Ep in Qz vn/vlts
	11.60	14.25	Ca	1		Rare Ca hairline fracture-fillings; general HCL "fizz test" negative
	14.25	19.60	Cl	20		Cl after hbld & in quartz veins
	14.25	19.60	Qz	15		Qz vlts & veins to 10 cm wide most commonly @ 70-80 CA (parallel vns/vlts.)
	14.25	19.60	Sr	<5		Minor Sr along foliation planes; locally minor patchy pervasive
	14.25	19.60	Ep	2		Minor Ep in Qz vn/vlts
	14.25	19.60	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	19.6	35.9	Qz	50		Qz vlts & veins (35%) to 30 cm wide @ 40-60 CA & irregular; also 15% pervasively
						silicified rock
	19.6	35.9	Sr	10		Sr along foliation planes & locally pervasive
	19.6	35.9	Cl	<5		In quartz veins
	19.6	35.9	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	35.9	41.35	Qz	30		Rock is locally pervasively silicified (15%) & moderately Qz-veined (15%)
	35.9	41.35	Ep	30		Sections up to 0.2 m wide are completely replaced by Ep; minor Ep in Qz vns
	35.9	41.35	Cl	5		Locally patchy pervasive; also in Qz vns
	35.9	41.35	Sr	2		Patchy - very minor
	35.9	41.35	Ca	5		Minor hairline Ca fracture- fillings; also HCL "fizz test" weakly positive in Ep
						altered sections; minor Py & Cl associated w/ Ca vlts locally
	41.35	51	Qz	45		Rock is locally pervasively silicified (20%) & mod. - strongly Qz-veined (25%)
	41.35	51	Sr	15		Locally rock is locally pervasively sericitized; also Sr along vague foliation planes

	41.35	51	Cl	5		Minor patchy pervasive; also in Qz vns
	41.35	51	Cly	3		Locally pervasive associated w/ pervasive Sr alteration
	41.35	51	Ca	2		Minor fracture-fillings or hairline vlts
	51	59.1	Qz	35		Rock is mod. - strongly pervasively silicified (30%) & weakly Qz-veined (5%)
	51	59.1	Sr	20		Locally rock is pervasively sericitized; also Sr along vague foliation planes
	51	59.1	Cl	2		Minor Cl in Qz vns/vlts
	51	59.1	Ca	2		Minor hairline Ca fracture-fillings; general HCL "fizz test" negative
	59.1	73.2	Qz	5		Rock is locally pervasively silicified (3%) & very weakly Qz-veined (2%)
	59.1	73.2	Cl	2		Minor Cl in Qz & Ca vns/vlts.
	59.1	73.2	Sr	2		Very minor patchy pervasive
	59.1	73.2	Ca	10		Minor vlts. & hairline Ca fracture- fillings; also HCL "fizz test" strongly positive in
						some medium brn. coloured beds
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	11.6	in Qz vns/vlts		Py (1)	
	3.05	11.6		diss.	Py (0.5)	
	3.05	11.6		on fractures	Lim (tr)	Very minor Lim coating occasional fractures
	3.05	11.6	in Qz vns/vlts	blebs & diss.	Po (<0.5)	
	3.05	11.6	in Qz vns/vlts		Cp (tr)	Very minor Cp diss. in Qz vns & vlts
	11.6	14.25	in Qz vns/vlts		Py (1.5)	
	11.6	14.25		diss.	Py (1)	
	11.6	14.25			Lim (nil)	No oxidation minerals observed
	11.6	14.25	in Qz vns/vlts		Mt(1), Po(tr)	
					Cp (<0.5)	
	14.25	19.6	in Qz vns/vlts		Py (1)	
	14.25	19.6		diss. & (fract)	Py (0.5)	
	14.25	19.6		on fractures	Lim (tr)	Very minor Lim coating occasional fractures
	14.25	19.6	in Qz vns/vlts		Mt(1) &	
					Cp (<0.5)	
	19.6	35.9	in Qz vns/vlts		Py (1.5)	

	19.6	35.9		diss. & blebs	Py(1.5),Cp(tr)	Some Py on fractures; trace Cp diss. Locally
	19.6	35.9		on fractures	Lim (2)	Minor Lim coating fractures & Lim soaks some Qz veins
	19.6	35.9	in Qz vns/vlts		Mt(10-15),	Mt common as massive aggregates in Qz veins
					Cp (<0.5),	
					Po(tr), Gal(tr)	
	35.9	41.35	in qtz. vns		Py (<0.5)	
	35.9	41.35		diss.	Py (<0.5)	
	35.9	41.35	in qtz. vns		Mt(2), Cp(tr)	
	41.35	51	in Qz vns/vlts		Py (1.5)	
	41.35	51		diss. & blebs	Py (0.5)	
	41.35	51	in Qz vns/vlts		Cp(0.5), Mt(1)	
					Po(1) &	
					Sp(<0.5)	
	at 46.6		in Qz vn	diss. & blebs	Cp(1), Mt(2)	6 cm wide well-mineralized Qz vein @ 50 CA
					Po(2), Py(2)	
	at 48.9		in Qz vn	diss. & blebs	Cp(0.5), Mt(5)	6 cm wide moderately-mineralized Qz vein @ 50 CA
					Po(2), Py(5)	
	at 50.8		in Qz vn	diss. & blebs	Cp(3), Mt(3)	25 cm wide strongly-mineralized Qz vein @ 55 CA
					Po(2), Py(5)	
					Sp(1.5)	
	51	59.1	in qtz. vns		Py (1.0)	
	51	59.1		diss.	Py (0.5)	
	51	59.1	in qtz. vns		Po(<0.5),	
					Mt(<0.5),	
					Cp(tr)	
	59.1	73.2	in qtz. vns		Py (<0.5)	
	59.1	73.2		diss. & blebs	Py(tr), Po(tr)	
	59.1	73.2	in qtz. vns		Cp(tr), Po(tr)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 5-6, 2009
Project:	Deer Horn			Azimuth:		Date(s) Logged: October 11, 2009
Hole:	DH09-065			Dip:	-90	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613823	5913936	Elevation:	1317.7	End of Hole (TD): 79.2 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	7.55	med grey-grn.	massive,		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
			crystalline			Non-foliated; Cl-altered mafics may be Bi?
7.55	10.45	white to dk.	massive to		Qz, Py, Po,	**QUARTZ VEIN (QV)**
		grey to blk.	well-fractured		Sp, Cp, Lim	Very well-mineralized Qz vein, w/ massive intergrowths, blebs & disseminations of
						Py, Po, Sp & Cp. Lim on fractures & local soaking; some silicified & sericitized
						wallrock inclusions
10.45	32.2	lt. grey; loc.	non-foliated		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		medium grey	to wkly. fol'd			Locally weakly foliated (alignment of chloritized mafics or Sr along foliation along
			locally			foliation planes); locally textures vague due to pervasive alteration
32.2	38	white to dk.	massive to		Qz, Py, Po,	**MAIN VEIN (MV)**
		grey to blk.	well-fractured		Sp, Cp, Lim	Moderately to well mineralized Qz vein w/ blebby & locally aggregates of sulphides
					Mt, Gal?, Cl	& Mt; includes 10% inclusions of Qz & Sr-altered wallrx.
38	40.1	cream to	non-foliated		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		off-white	to wkly. fol'd			Locally weakly foliated (in more strongly sericitized zones); textures generally
			locally			vague due to pervasive Qz-Sr alteration
40.1	41.15	mostly white	mostly		Qz, Mt, Py,	**QUARTZ VEIN (QV)**
			massive		Cl	Mainly massive white Qz vein material; Mt as blebs & aggregates locally; trace Py

41.15	42.1	cream to	weakly fol'd		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		off-white, loc.	locally			Locally weakly foliated (in more strongly sericitized zones); textures generally
		grey-grn				vague due to pervasive Qz-Sr alteration
42.1	47.1	mostly white	mostly mas-		Qz, Mt, Py,	**QUARTZ VEIN (QV)**
			sive, mod.		Po, Cp, Cl	Mainly massive white Qz vein material; Mt as blebs & aggregates locally; minor
			fract'd loc.			Py & Po, trace Cp; not well mineralized
47.1	52.45	cream to	weakly fol'd		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		off-white, loc.	locally			Locally weakly foliated (in pervasively sericitized zones); intrusive textures pre-
		dk. grey-grn				served locally
52.45	54.15	lt. grey	non-foliated		Plag, Qz,	**FELDSPAR PORPHYRY DIKE (DY)**
					(Cl)	10-15% anhedral plag phenos set in lt. grey sericitized groundmass; some QD
						inclusions caught up in dike
54.15	54.9	cream to	non-foliated		Plag, Qz,	**QUARTZ DIORITE? (QD?)**
		off-white			(Cl)	Textures vague; pervasively Qz-Sr altered
54.9	55.25	lt. grey	non-foliated		Plag, Qz,	**FELDSPAR PORPHYRY DIKE (DY)**
					(Cl)	Similar to 52.45 m to 54.15 m
55.25	55.8	med grey-grn	non-foliated		Plag, Qz,	**QUARTZ DIORITE (QD)**
					(Cl)	Crystalline texture; non-foliated; relatively un-altered
55.8	58.8	med grey-grn	non-foliated		Plag, Qz,	**FELDSPAR PORPHYRY DIKE (DY)**
					(Cl)	Similar to 52.45 m to 54.15 m, except some portions are less sericitized &
						plag porphyry textures more evident
58.8	74.5	med. grey to	non-foliated		Qz, plag, Cl	**GRANODIORITE? (GD?)**

		med grey-grn				Non-foliated, crystalline texture. Cl appears to be altering from Bi, not Hbld
74.5	75.8	mostly white	mostly mas-		Qz, Py, Cp	**QUARTZ VEIN (QV)**
			sive, weak		Sp, Po, Cl	Mainly massive white Qz vein material; some inclusions of Qz-Sr altered wallrx;
			fract'd loc.			from 75.45 to 75.8 m, blebby Cp & Sp common
75.8	79.25	med. grey to	non-foliated		Qz, plag, Cl	**GRANODIORITE? (GD?)**
		med grey-grn				Non-foliated, crystalline texture; cut by plag porphyry dikes from 76.35 - 76.55 m
						& from 77.0 - 77.8 m
EOH @ 73.2 m						

	Structure:					
	From	To	Type	TCA	Condition	Notes:
	at 7.55		contact	55	sheared	HW contact Qz vein; wallrocks sheared & Sr-Cly altered over 0.1 m width
	at 10.45		contact	80	sharp	FW contact Qz vein
	10.45	32.2	foliation	50		Weakly foliated locally
	at 32.20		contact	55	sharp	HW contact of Main Vein
	at 38.00		contact	45	sharp	FW contact of Main Vein
	38.00	40.1	foliation	45		Weakly foliated locally
	at 40.1		contact	40	sharp	HW contact of Qz vein
	at 41.15		contact	25	sharp	FW contact of Qz vein
	41.15	42.1	foliation	45		Weakly foliated locally
	at 42.1		contact	40	sharp, irreg.	HW contact of Qz vein
	at 47.1		contact	45	sharp	FW contact of Qz vein
	47.10	52.45	foliation	45		Weakly foliated locally
	at 52.45		contact		vague, irreg.	HW contact of dike
	at 54.15		contact	35	sharp	FW contact of dike
	at 54.9		contact		vague	HW contact of dike
	at 55.25		contact	65	sharp	FW contact of dike

	at 55.8		contact	40	sharp	HW contact of dike
	at 58.8		contact	60	sharp	FW contact of dike
	at 74.5		contact	75	sharp	HW contact of Qz vein
	at 75.8		contact	45	sharp	FW contact of Qz vein
	at 76.35		contact	40	sharp	HW contact of dike
	at 76.55		contact	40	sharp	FW contact of dike
	at 77.00		contact	30	irreg.	HW contact of dike
	at 77.80		contact	60	sharp	FW contact of dike
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	7.55	Cl	15		Cl after mafics (Bi?) & along fractures
	3.05	7.55	Qz	5		Minor silicification locally; no Qz veins
	3.05	7.55	Sr	5		Weak pervasive alteration locally
	3.05	7.55	Cly	2		Weak pervasive alteration over 0.1 m adjacent to HW contact of Qz vein
	3.05	7.55	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	7.55	10.45	Qz	75		Massive & fractured white Qz vein material (70%); some pervasively altered wallrx.
	7.55	10.45	Sr	10		Pervasive alteration in wallrx. inclusions
	7.55	10.45	Cl	5		Mainly along fractures in vein Qz
	7.55	10.45	Ca	1		Rare Ca hairline fracture-fillings
	10.45	25.15	Cl	10		Cl after mafics & along fractures
	10.45	25.15	Qz	25		Mod. - strong silicification locally (20%); minor Qz veins (5%) @ 30-50 CA
	10.45	25.15	Sr	5		Weak - mod. pervasive alteration locally
	10.45	25.15	Cly	1		Very minor Cly alteration of plag locally
	10.45	25.15	Ep	1		Along occasional fractures
	10.45	25.15	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	25.15	32.2	Qz	25		Mod. - strong silicification locally (15%); Qz veins to 6 cm (10%) @ 30-50 CA
	25.15	32.2	Sr	15		Weak - mod. pervasive alteration locally; also Sr along fractures/foliation planes
	25.15	32.2	Cly	5		Pervasive alteration locally
	25.15	32.2	Cl	2		Along occasional fractures
	25.15	32.2	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" very weakly positive loc.

	32.2	38	Qz	80		Massive vein Qz material - white to dk. grey in colour; also pervasive silica in wall-
						rx. inclusions
	32.2	38	Sr	5		pervasive Sr in wallrx. Inclusions
	32.2	38	Cl	2		Along fractures
	32.2	38	Ca	nil		
	38	40.1	Qz	35		Rock is locally pervasively silicified (15%) & mod. - strongly Qz-veined (20%)
	38	40.1	Sr	15		Locally rock is locally pervasively sericitized; also Sr along vague foliation planes
	38	40.1	Cl	5		Cl after mafic phenos; also in Qz vns
	38	40.1	Ca	<1		Very minor fracture-fillings or hairline vlts; general HCL "fizz test" negative
	40.1	41.15	Qz	95		Mainly massive white Qz vein material
	40.1	41.15	Cl	2		
	41.15	42.1	Qz	30		Rock is locally pervasively silicified (20%) & weak-mod. Qz-veined (10%)
	41.15	42.1	Sr	15		Locally rock is locally pervasively sericitized; also Sr along vague foliation planes
	41.15	42.1	Cl	5		Cl after mafic phenos
	41.15	42.1	Ca	<1		Very minor fracture-fillings or hairline vlts; general HCL "fizz test" negative
	42.1	47.1	Qz	>90		Mainly massive white Qz vein material
	42.1	47.1	Sr	5		In pervasively altered wallrx. inclusions
	42.1	47.1	Cl	2		
	42.1	47.1	Ca	<1		Very minor fracture-fillings or hairline vlts
	47.1	52.45	Qz	20		Rock is locally pervasively silicified (10%) & weak-mod. Qz-veined (10%)
	47.1	52.45	Sr	10		Pervasively sericitized locally; also Sr along fractures
	47.1	52.45	Cl	5		Cl after mafic phenos & minor amounts in Qz veins
	47.1	52.45	Ca	2		Minor fracture-fillings or hairline vlts; general HCL "fizz test" weakly pos. locally
	52.45	54.15	Qz	5		Weak Qz vlts (5%) to 5 mm @ 30-35 CA
	52.45	54.15	Sr	20		Groundmass is pervasively sericitized locally; also Sr along fractures
	52.45	54.15	Cl	2		Cl after minor mafics phenos & minor amounts in Qz veins
	52.45	54.15	Ca	3		As fracture-fillings or vlts to 3 mm; general HCL "fizz test" negative
	54.15	54.9	Qz	30		Mod Qz vns (15%) to 4 cm @ 30 CA; also pervasive Qz (15%)
	54.15	54.9	Sr	20		Rock is mod.-strong pervasively sericitized (associated w/ pervasive Qz)
	54.15	54.9	Cl	2		Minor clots & in Qz vein

	54.15	54.9	Ep	3		In Qz vein
	54.15	54.9	Ca	2		Minor vlts. & in Qz vein
	54.9	55.25	Sr	25		Groundmass is pervasively sericitized locally; also Sr along fractures
	54.9	55.25	Cl	3		Minor clots & along fractures
	54.9	55.25	Ca	2		Minor fracture-fillings; general HCL "fizz test" negative
	55.25	55.8	Qz	15-20		Locally pervasively silicified (15%); very weak Qz vlts (2 x hairline)
	55.25	55.8	Cl	10		After mafics
	55.25	55.8	Sr	<5		Along fractures
	55.25	55.8	Ca	nil		Also negative HCL "fizz test"
	55.8	58.8	Qz	<10		Weak Qz vlts & vns (5%) to 8 cm @ 30-40 CA; possibly some pervasive Qz
	55.8	58.8	Sr	20		Locally mod-strong pervasive Sr (lighter grey coloured areas_
	55.8	58.8	Cl	<10		After mafics & in Qz vn
	55.8	58.8	Ca	tr		Very minor Ca along hairline fractures
	58.8	72.9	Qz	25		Weak-mod. Qz vns (10%) to 5 cm @ 15-50 CA; also pervasive Qz (15%) locally
	58.8	72.9	Sr	10		Weak pervasive Sr locally
	58.8	72.9	Cl	10		After mafics & in Qz vns/vlts
	58.8	72.9	Ep	2		In Qz vein
	58.8	72.9	Cly	2		Weak pervasive Cly locally
	58.8	72.9	Ca	1		Minor fracture-fillings; general HCL "fizz test" negative
	72.9	74.5	Qz	45		Mod. Qz vns (15%) to 5 cm @ 40-60 CA; also strong pervasive Qz (30%)
	72.9	74.5	Sr	<10		Weak pervasive Sr locally
	72.9	74.5	Cl	<10		After mafics, in Qz vns/vlts & along fractures
	72.9	74.5	Ep	2		Minor Ep in Qz vns/vlts
	72.9	74.5	Ca	tr		Minor fracture-fillings; general HCL "fizz test" negative
	74.5	75.8	Qz	>90		Massive white Qz vein material
	74.5	75.8	Sr	<5		In Qz-Sr altered wallrx. Inclusions
	74.5	75.8	Cl	2		Minor clots locally
	75.8	79.25	Qz	25		Weak Qz vns (<5%) to 1 cm @ 30-60 CA; also mod. pervasive Qz (20%)
	75.8	79.25	Sr	<10		Weak pervasive Sr locally (mainly in plag porphyry dikes)
	75.8	79.25	Cl	<10		After mafics, in Qz vns/vlts & along fractures

	75.8	79.25	Ep	5		Ep in Qz vns/vlts & patchy pervasive in dikes & GD
	75.8	79.25	Ca	2		Minor fracture-fillings; general HCL "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	7.55		diss.	Py (tr)	
	3.05	7.55		on fractures	Lim (tr)	Very minor Lim coating occasional fractures
	7.55	10.45	blebs &		Sp(3), Po(3)	Sulphides comprise 10% of the vein, as massive aggregates & coarse blebs
			aggregates		Py(2), Cp(2)	
	7.55	10.45	on fractures		Lim (3)	On fractures & soaking Qz vein, staining it light yellow colour
			& indurated			
	10.45	25.15	in Qz vns/vlts		Py (<0.5)	
	10.45	25.15		diss.	Py (<0.5)	
	10.45	25.15			Lim (nil)	No oxidation noted in interval
	10.45	25.15	in Qz vns/vlts		Mt(2), Po(tr)	
					Cp (tr)	
	at 19.45		in Qz vein		Mt(50), Py(2)	50% massive Mt aggregates in 1 cm wide Qz vein @ 30 CA
	25.15	32.2	in Qz vns/vlts		Py (<0.5)	
	25.15	32.2		diss.	Py (<0.5)	
	25.15	32.2			Lim (nil)	
	25.15	32.2	in Qz vns/vlts		Po(tr), Cp(tr)	
					Sp (tr)	
	at 25.9		in Qz vn	diss. & blebs	Py(2), Cp(2)	Blebby & diss. sulphides in 10 cm wide Qz vein @ 50 CA
					Po (<0.5)	
	32.2	38	blebs &		Mt(4), Py(2)	Sulphides & Mt comprise 12% of vein, as massive aggregates & coarse blebs
			aggregates		Cp(2), Sp(2)	
					Po(2)	
	32.2	38	on fractures		Lim (1)	Minor Lim on fractures
	38	40.1	in Qz vns/vlts		Py (tr)	
	38	40.1		diss.	Py (tr)	
	38	40.1			Lim (nil)	

	38	40.1	in Qz vns		Cp(tr)	
	40.1	41.15	in Qz vein		Mt(3), Py(tr)	Mt as blebs & aggregates locally; trace Py
	40.1	41.15			Lim (nil)	
	41.15	42.1	in Qz vns/vlts		Py (tr)	
	41.15	42.1		diss.	Py (tr)	
	41.15	42.1			Lim (nil)	
	42.1	47.1	in Qz vein		Mt(5), Cp(tr)	
					Py (<0.5)	
					Po (<0.5)	
	42.1	47.1			Lim (nil)	
	47.1	52.45	in Qz vns/vlts		Py (1)	
	47.1	52.45		diss.	Py (1)	
	47.1	52.45			Lim (nil)	
	47.1	52.45	in Qz vns/vlts		Cp(tr)	
	52.45	54.15	in Qz vns/vlts		Py (0.5)	
	52.45	54.15		diss.	Py (<0.5)	
	52.45	54.15			Lim (nil)	
	52.45	54.15	in Qz vns/vlts		Cp(<0.5)	Also trace Cp diss.
	54.15	54.9	in Qz vn		Py (tr)	
	54.15	54.9		diss.	Py (tr)	
	54.15	54.9	in Qz vn		Cp(<0.5)	
					Po(tr)	
	54.9	55.25		diss.	Py (tr)	
	54.9	55.25			Lim (nil)	
	55.25	55.8	in Qz vlts		Py (<0.5)	
	55.25	55.8		diss.	Py (tr)	
	55.25	55.8	in Qz vlts		Cp-Po(<0.5)	
	55.25	55.8			Lim (nil)	
	55.8	58.8	in Qz vlts		Py (1.5)	
	55.8	58.8		diss.	Py (0.5)	

	55.8	58.8	in Qz vlts		Po(1.5)	Blebby Po & minor diss. Cp in Qz vns/vlts
					Cp(<0.5)	
	55.8	58.8			Lim (nil)	
	58.8	72.9	in Qz vlts		Py (1)	
	58.8	72.9		diss.	Py (<0.5)	
	58.8	72.9	in Qz vlts		Cp(0.5) Sp(tr)	
					Po(<0.5)	
					Mt(<0.5)	
	58.8	72.9			Lim (nil)	
	72.9	74.5	in Qz vlts		Py (2)	
	72.9	74.5		diss.	Py (<0.5)	
	72.9	74.5	in Qz vlts		Cp(0.5) Sp(1)	
					Po(<0.5)	
					Mt(<0.5)	
	72.9	74.5			Lim (nil)	
	74.5	75.8	in Qz vn	blebs & diss.	Cp(1), Sp(1)	
					Py (0.5)	
					Po (<0.5)	
	74.5	75.8			Lim(nil)	
	75.8	79.25	in Qz vlts		Py (tr)	
	75.8	79.25		fract. & diss.	Py (<0.5)	
	75.8	79.25	on fractures		Cp(tr) Po(tr)	
	75.8	79.25			Lim(nil)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 6-7, 2009
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: October 13, 2009
Hole:	DH09-066			Dip:	-44	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613823	5913936	Elevation:	1317.7	End of Hole (TD): 75.3 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	9.8	cream to	mod. - strong		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		dk. grey-grn	foliated			Foliation mainly defined by alingment of Sr in strongly Sr-Qz altered zones
9.8	11.2	white to	massive to		Qz, Py, Cp,	**QUARTZ VEIN (QV)**
		dk. grey	banded		Po, Sp, Lim	Moderately to locally well-mineralized Qz vein, w/ blebs & disseminations of Py,
						Cp, Po and lesser Sp; Lim-Goet on fractures & local soaking
11.2	24.55	lt. grey; loc.	non-foliated		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		dk. grey-grn	to wkly. fol'd		hbld	Locally weakly foliated (alignment of chloritized mafics)
			locally			
24.55	27.5	white to dk.	massive to		Qz, Py, Po,	**MAIN VEIN (MV)**
		grey to blk.	well-fractured		Sp, Cp, Lim	Mod. to well mineralized Qz vein w/ blebby & aggregates of sulphides; locally
					Gal, Cl	sulphides banded in Qz @ 65 CA; minor sericitized wallrx. inclusions
27.5	40.8	cream to	non-foliated		Qz, plag, Cl	**GRANODIORITE (GD)**
		off-white to				Textures vary from generally vague due to pervasive alteration to coarse-grained,
		loc. grey-grn				crystalline where alteration less intense
40.8	41.15	mostly white	mostly		Qz, Py, Sp?,	**QUARTZ VEIN (QV)**
			massive		Cl	Sparsely mineralized Qz vein w/ 2% blebby Py & trace Sp?
41.15	56.1	lt. grey to	non-foliated		Qz, plag, Cl	**GRANODIORITE (GD)**

		grey-grn.				Textures vary from generally vague due to pervasive alteration to coarse-grained,
						crystalline where alteration less intense
56.1	57.55	mostly white	mostly mas-		Qz, Py, Cp	**QUARTZ VEIN (QV)**
			sive, weakly		Sp, Gal, Cl	Mainly massive white Qz vein material; minor diss. of Py, Cp, Sp & trace Gal
			fract'd loc.			not well mineralized
57.55	67.6	cream - med.	very weakly		Qz, plag, Cl	**GRANODIORITE? (GD?)**
		grey-grn	fol'd locally			Locally very weakly foliated (alignment of chloritized mafics); Cl appears to be
						altering from Bi not hbld; pervasively sericitized zones are cream-coloured
67.6	67.95	white to loc.	massive to		Qz, Py, Cp	**QUARTZ VEIN (QV)**
		dk. grey	loc. mod. fr'd		Sp, Cl, Sr	Mainly massive white Qz vein material; minor diss. & blebs of Py, Cp, Sp & Po;
						weakly mineralized; Sr-Cl along sheared fracture planes
67.95	75.3	cream - med.	non-foliated		Qz, plag, Cl	**GRANODIORITE (GD)**
		grey-grn				Similar to 57.55 to 67.6 m; pervasively sericitized zones are cream-coloured
EOH @ 75.3 m						
	Structure:					
	From	To	Type	TCA	Condition	Notes:
	3.05	9.8	foliation	15-40		Best developed in strongly Sr-Qz altered zones
	at 9.80		contact	25	sharp	HW contact of Qz vein
	at 11.2		contact	30	vague, irreg.	FW contact of Qz vein
	11.20	24.55	foliation	60		Weakly foliated locally
	at 24.55		contact	85	sharp	HW contact of Main Vein
	at 27.50		contact	55	sharp	FW contact of Main Vein
	at 40.8		contact	45	sharp	HW contact of Qz vein
	at 41.15		contact	75	sharp	FW contact of Qz vein

	at 56.1		contact	30	sharp	HW contact of Qz vein
	at 57.55		contact	35	sharp	FW contact of Qz vein
	67.60		contact	?	core broken	HW contact of Qz vein
	67.95		contact	?	core broken	FW contact of Qz vein
	at 68.8		minor fault	30	sharp	1 cm wide Cl-Sr altered fault gouge
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	8.2	Qz	25		Mod. - loc. strong pervasive silica (20%); weak Qz vlts to 3 mm (<5%), irregular
	3.05	8.2	Sr	15		Mod. pervasive alteration locally & Sr along foliation planes in Qz-Sr altered rock
	3.05	8.2	Cl	Cl		Mainly along fractures; some in Qz vns/vlts.
	3.05	8.2	Ca	tr		Trace Ca on hairline fracture-fillings; general HCL "fizz test" negative
	8.20	9.80	Qz	75		Massive & fractured white Qz vein material (70%); some pervasively altered wallrx.
	8.20	9.80	Sr	5		Minor Sr along some foliation planes
	8.20	9.80	Cl	15		After mafics and along fractures
	8.20	9.80	Ep	5		Patchy pervasive; some vlts.
	8.20	9.80	Ca	nil		General HCL "fizz test" negative
	9.80	11.20	Qz	>85		
	9.80	11.20	Cl	4		As clots & along fractures
	11.20	22.70	Cl	15		After mafics and along fractures
	11.20	22.70	Qz	15		Weak pervasive silicification locally (10%); weak Qz veins to 2 cm (<5%) @ 40-80
	11.20	22.70	Sr	10		Locally pervasive, mainly at FW contact of Qz vein from 11.2-11.9 m
	11.20	22.70	Cly	<5		Cly after plag phenos locally
	11.20	22.70	Ep	2		Minor Ep on fractures
	11.20	22.70	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	22.7	24.55	Qz	35		Mod. - strong silicification (25%); Qz veins to 3 cm (10%) @ 80 CA
	22.7	24.55	Sr	15		Strong pervasive alteration locally; also Sr along fractures/foliation planes
	22.7	24.55	Cl	5		After mafics, along fractures & in Qz vns/vlts
	22.7	24.55	Cly	<5		Possibly admixed w/ pervasive Sr locally
	22.7	24.55	Ep	tr		Along fractures
	22.7	24.55	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative

	24.55	27.5	Qz	>85		
	24.55	27.5	Cl	4		As clots & along fractures
	24.55	27.5	Sr	2		Pervasive Sr alteration in minor wallrx. inclusions
	24.55	27.5	Ca	nil		
	27.5	39	Qz	35		Mod.- strong pervasively silicified (~25%) & weak-mod. Qz-veined (10%) @ 60-80
	27.5	39	Sr	15		Mod. pervasive & along fractures
	27.5	39	Cl	<5		As local clots, along fractures & in Qz vns/vlts.
	27.5	39	Ep	<1		Very minor Ep locally along fractures
	27.5	39	Ca	<1		Very minor fracture-fillings or vlts; general HCL "fizz test" negative
	39	40.8	Qz	15		Weak-mod. pervasively silicified (~15%) & very weakly Qz-veined
	39	40.8	Cl	15		After mafics, along fractures & in Qz vlt.
	39	40.8	Sr	<5		Mainly along fractures
	39	40.8	Cly	tr		Very minor locally after plag phenos
	39	40.8	Ca	nil		
	40.8	41.15	Qz	>95		
	40.8	41.15	Cl	2		As clots & along fractures
	41.15	42.4	Qz	15		Weak-mod. pervasively silicified (~10%) & weakly Qz-veined (<5%)
	41.15	42.4	Cl	15		After mafics, along fractures & in Qz vlt.
	41.15	42.4	Sr	<5		Mainly along fractures
	41.15	42.4	Ca	1		Minor hairline vlts; general HCL "fizz test" negative
	42.4	47.5	Qz	30		Mod. pervasively silicified (~15%) & mod. Qz-veined (15%) @ 50-70 CA
	42.4	47.5	Sr	15		Pervasively sericitized locally; also along fractures
	42.4	47.5	Cl	5		After mafic phenos, along fractures & in Qz veins
	42.4	47.5	Cly	<5		Minor pervasive Cly locally (associated w/ weak shearing)
	42.4	47.5	Ca	2		Minor fracture-fillings or hairline vlts; general HCL "fizz test" weakly pos. locally
	47.5	51.85	Qz	15		Rock is locally pervasively silicified (10%) & weakly Qz-veined (<5%)
	47.5	51.85	Cl	10		Cl after mafics, along fractures & in Qz veins
	47.5	51.85	Sr	<5		Usually at or near contacts w/ Qz vns
	47.5	51.85	Ep	2		Patchy pervasive locally.
	47.5	51.85	Ca	2		Minor fracture-fillings or hairline vlts; general HCL "fizz test" negative

	51.85	56.1	Qz	35		Mod.- strong pervasively silicified (~20%) & mod. Qz-veined (15%) @ 20-60 CA
	51.85	56.1	Sr	15		Pervasively sericitized locally - associated w/ Qz veining & pervasive silicification
	51.85	56.1	Cl	5		Along fractures & in Qz veins
	51.85	56.1	Ca	2		Minor fracture-fillings or hairline vlts; general HCL "fizz test" negative
	56.1	57.55	Qz	>95		
	56.1	57.55	Cl	3		As clots & along fractures
	56.1	57.55	Sr	2		Along fractures
	57.55	59	Qz	55		Mod.- strong pervasively silicified (30%) & strong Qz-veined (25%) @ 10-30 CA
	57.55	59	Sr	30		Mod - strong pervasively sericitized
	57.55	59	Cl	2		In Qz veins
	57.55	59	Ca	2		Minor fracture-fillings or hairline vlts; general HCL "fizz test" negative
	59	67	Qz	15		Weakly pervasively silicified (10%) & weakly Qz-veined (5%) @ 40-60 CA
	59	67	Cl	15		Cl after mafics, along fractures & in Qz veins
	59	67	Sr	10		Some pervasive sericitization
	59	67	Ca	1		Occasional hairline vlts; general HCL "fizz test" negative
	67	67.6	Qz	50		Mod.- strong pervasively silicified (30%) & strong Qz-veined (30%) @ 25-40 CA
	67	67.6	Sr	30		Strongly sericitized in wallrx. to Qz vns/vlts
	67	67.6	Cl	3		In Qz veins
	67	67.6	Ca	1		Minor fracture-fillings or hairline vlts; general HCL "fizz test" negative
	67.6	67.95	Qz	>90		
	67.6	67.95	Sr	3		Along sheared fracture planes
	67.6	67.95	Cl	2		Along sheared fracture planes
	67.95	70.9	Qz	35		Mod. Qz vns (20%) to 10 cm @ 30-60 CA; also mod. pervasive Qz (15%)
	67.95	70.9	Sr	20		Mod. - strong pervasive Sr
	67.95	70.9	Cl	3		Along sheared fractures & in Qz veins
	67.95	70.9	Ca	tr		Minor fracture-fillings; general HCL "fizz test" negative
	70.9	75.3	Qz	10		Very weak Qz vns (<5%) to 1 cm @ 70 CA; also weak pervasive Qz (5%) locally
	70.9	75.3	Cl	15		After mafics
	70.9	75.3	Sr	<5		Minor Sr along fractures & very minor pervasive
	70.9	75.3	Ep	1		Very minor, patchy

	70.9	75.3	Ca	2		Minor hairline fracture-fillings; general HCL "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	8.2	in Qz vns/vlts		Py (tr-nil)	Very few sulphides given the intensity of the Qz-Sr alteration
	3.05	8.2		diss.	Py (tr-nil)	Very few sulphides given the intensity of the Qz-Sr alteration
	3.05	8.2		diss. & fract.	Lim(2)	Some fine Lim specs after trace diss. Py
	8.2	9.8	in Qz vns/vlts		Py (0.5)	
	8.2	9.8		diss.	Py (1)	
	8.2	9.8		on fractures	Lim(2)	Some fine Lim specs after trace diss. Py
					Goet(2)	
	9.8	11.2		diss. & blebs	Py(1.5),	Sulphides comprise 5% of the vein, as coarse blebs & diss.
					Cp(1.5)	
					Po (1.5)	
					Sp (0.5)	
			on fractures		Lim (2)	On fractures & soaking Qz vein, staining it yellow-brown colour
			& indurated		Goet(2)	
	11.2	22.7	in Qz vns/vlts		Py (<0.5)	
	11.2	22.7		diss.	Py (<0.5)	
	11.2	22.7		on fractures	Lim(1)	Very minor Lim coating occasional fractures
	11.2	22.7	in Qz vns/vlts		Cp(tr)	
	22.7	24.55	in Qz vns/vlts		Py (3)	
	22.7	24.55		diss.	Py (<0.5)	
	22.7	24.55			Lim(nil)	
	22.7	24.55	in Qz vns/vlts		Cp(1)	
					Po(0.5)	
	24.55	27.5	blebs &		Sp(2), Cp(2)	Sulphides comprise ~8% of vein, as coarse blebs, massive aggregates & locally
			aggregates		Po(2), Py(2)	as bands in Qz @ 65 CA
					Gal(tr)	
	24.55	27.5	on fractures	soaking	Lim (2)	Minor Lim on fractures; locally vein material is soaked lt. yellow brn. Colour
	27.5	39	in Qz vns/vlts		Py (3)	Locally as very coarse aggregates

	27.5	39		diss.	Py (tr - <0.5)	
	27.5	39			Lim (tr)	On fractures
	27.5	39	in Qz vns/vlts		Sp(2.5),	
					Py(2),	
					Cp(0.5)	
	at 32.35		in Qz vein	blebs &	Py(20),	Strongly mineralized 6 cm wide Qz vein @ 70 CA
				aggregates	Sp(10), Cp(3)	
	at 32.6		in Qz vein	blebs &	Py(10),	Strongly mineralized 5 cm wide Qz vein @ 70 CA
				aggregates	Sp(10), Cp(2)	
	39	40.8	in Qz vlt		Py (2)	
	39	40.8		diss. & fract.	Py (<0.5)	
	39	40.8			Lim (nil)	
	39	40.8	in Qz vlt		Cp(0.5),	
					Sp(tr)	
	40.8	41.15	in Qz vein		Py(2), Sp(tr?)	
	40.8	41.15			Lim (nil)	
	41.15	42.4	in Qz vns/vlts		Py (1)	
	41,15	42.4		diss. & fract.	Py (1)	
	41,15	42.4			Lim (nil)	
	41,15	42.4	in Qz vns/vlts		Cp(0.5),Sp(tr)	
	42.4	47.5	in Qz vns/vlts		Py (0.5)	
	42.4	47.5		diss.	Py (tr - <0.5)	
	42.4	47.5			Lim (nil)	
	42.4	47.5	in Qz vns/vlts		Cp(0.5),	
					Po(0.5)	
					Sp(<0.5)	
	at 44.55		in Qz vein	blebs &	Cp(5), Po(5)	10% combined Cp-Po as blebs and large aggregates in 13 cm Qz vn @ 70 CA
				aggregates		
	47.5	51.85	in Qz vn		Py (1)	
	47.5	51.85		diss.	Py (tr)	

	47.5	51.85	in Qz vn		Cp(1.5)	
					Sp(1.5)	
	51.85	56.1	in Qz vlts		Py (<0.5)	
	51.85	56.1		diss.	Py (<0.5)	
	51.85	56.1			Lim (nil)	
	51.85	56.1	in Qz vlts		Cp(<0.5)	
					Po(<0.5)	
					Gal(tr), Mt(tr)	
	56.1	57.55	in Qz vein		Py(<0.5)	
					Cp(<0.5)	
					Sp(tr), Gal(tr)	
	57.55	59	in Qz vlts		Py (1.5)	
	57.55	59		diss.	Py (<0.5)	
	57.55	59	in Qz vlts		Gal(<0.5)	Fine diss. Gal
	57.55	59			Lim (nil)	
	59	67	in Qz vlts		Py (<0.5)	
	59	67		diss.	Py (<0.5)	
	59	67	in Qz vlts		Sp(0.5) Cp(tr)	
					Po(tr), Gal(tr)	
	59	67			Lim (nil)	
	67	67.6	in Qz vlts		Py (1)	
	67	67.6		diss.	Py (<0.5)	
	67	67.6	in Qz vlts		Cp(0.5) Sp(tr)	
					Po(1)	
	67	67.6			Lim (nil)	
	67.6	67.95	in Qz vn	blebs & diss.	Py(1), Sp(1)	
					Po (0.5)	
					Cp (<0.5)	
	67.6	67.95			Lim(nil)	
	67.95	70.9	in Qz vns/vlts		Py (1.5)	

	67.95	70.9		diss. & fract.	Py (<0.5)	
	67.95	70.9	in Qz vns/vlts		Cp(0.5)	
					Sp(0.5)	
	67.95	70.9			Lim(nil)	
	at 70.5		in Qz vn	diss. & blebs	Py (3)	
					Cp(1), Sp(1)	
	70.9	75.3	in Qz vns/vlts		Py (<0.5)	
	70.9	75.3		diss.	Py (<0.5)	
	70.9	75.3			Lim(nil)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 7-8, 2009
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: October 16, 2009
Hole:	DH09-067			Dip:	-68	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613823	5913936	Elevation:	1317.7	End of Hole (TD): 78.0 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	10.2	lt.grey - med	non-fol'd to		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		grey-grn	weakly fol'd			Only weakly foliated locally; otherwise med. to coarse grained equigranular
10.2	10.45	white to	massive to		Qz, Py, Cp,	**QUARTZ VEIN (QV)**
		dk. grey	mod. fract'd		Po, Sp, Cl	Weakly to locally moderately-mineralized Qz vein, w/ blebs & disseminations of
						Py, Cp and lesser Sp & Po; some sulphide concentrations are banded parallel to
						vein contacts
10.45	15.55	cream to lt.	non-foliated,		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		grey to	crystalline		hbld?	Medium to coarse grained, crystalline; mafics (mostly chloritized) comprise about
		med. grey-grn				20% of rock; some prismatic, chloritized mafics (after hbld?)
15.55	16.1	white to grey	massive to		Qz, Py, Cl,	**QUARTZ VEIN (QV)**
			mod. - fract'd		Ep	Very weakly mineralized (only trace Py) Qz vein - possibly different age than
						most mineralzied veins?
16.1	25	cream to lt.	non-foliated		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		grey to				Similar to 10.45 to 15.55 m
		med. grey-grn				
25	26.8	white to	massive to		Qz, Py, Sp,	**MAIN VEIN (MV)**
		dk. Grey	vaguely bd'd		Cp, Gal, Cl	Well-mineralzied Qz vein w/ 8% blebby & aggregate(s) sulphides (Py, Sp, Cp &
						lesser Gal); sulphides are vaguely banded locally

26.8	36.2	cream to	non-fol'd to		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		med grey-grn	weakly fol'd			Textures vary from generally vague due to pervasive alteration to coarse-grained,
						crystalline or weakly foliated where alteration less intense
36.2	37.65	white to	mostly mas-		Qz, Sp, Cp	**QUARTZ VEIN (QV)**
		dark grn.	sive, mod.		Py, Po, Mt,	Fairly Cl-rich; sparse sulphides other than Sp which is moderately abundant
			fract'd loc.		Cl	
37.65	78	lt. grey to	non-fol'd,		Qz, plag, Cl	**QUARTZ DIORITE? (QD?)**
		med grey-grn	crystalline		hbld?	Overall, intermediate in composition (therefore GD?), but some possible hbld
						present.
EOH @ 78.0 m						

	Structure:					
	From	To	Type	TCA	Condition	Notes:
	3.05	10.2	foliation	55		Weakly foliated locally
	at 3.7		shear	30		Chloritized shear zone over 0.1 m
	at 10.2		contact	75	sharp	HW contact of Qz vein
	at 10.45		contact	75	sharp	FW contact of Qz vein
	at 15.55		contact	35	sharp	HW contact of Qz vein
	at 16.10		contact	35	sharp	FW contact of Qz vein
	23.80	25	foliation	40-45		Strong foliation developed in Sr-altered wallrx. to the Main Vein
	at 25.0		contact	50	sharp	HW contact of Main Vein
	25.00	26.8	sulph. bands	50-60	vague	vague sulphide banding
	at 26.80		contact		vague	FW contact of Main Vein - vague & gradational w/ sericitized wallrx.
	26.80	36.2	foliation	50		locally foliated where pervasive alteration less intense
	at 20.25		minor fault	60		Sericitized fault gouge, including broken Qz vein, over 4 cm width
	36.20		contact	40	sharp	HW contact of Qz vein

	37.65		contact	45	sharp	FW contact of Qz vein
	at 68.55		minor fault	55	sheared	Broken core; sercitized & sheared over 8 cm width @ 55 CA
	71.10	72.35	Qz vein	5		2 cm wide well-mineralized Qz vein sub-parallel to CA
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	10.2	Qz	25		Weak pervasive silica (20%) locally; mod. Qz vns/vlts to 0.2 m (15%) @ 50-80 CA
	3.05	10.2	Sr	10		Pervasively altered locally & along fractures
	3.05	10.2	Cl	10		After mafics, along fractures & in Qz vns/vlts.
	3.05	10.2	Ca	2		Minor Ca on hairline fracture-fillings; general HCL "fizz test" negative
	10.20	10.45	Qz	>90		
	10.20	10.45	Sr	3		In minor wallrx. Inclusions
	10.20	10.45	Cl	2		Along fractures
	10.45	15.55	Qz	15		Weak pervasive silica (10%) locally; weak Qz vns/vlts to 5 mm (<5%) @ 30 CA
	10.45	15.55	Cl	15		After mafics & commonly along fractures w/ Py
	10.45	15.55	Sr	10		Locally pervasive for ~ 0.5 m below Qz vein immediately above
	10.45	15.55	Ep	2		Locally patchy pervasive
	10.45	15.55	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	15.55	16.10	Qz	>95		
	15.55	16.10	Cl	3		
	15.55	16.10	Ep	2		
	16.10	23.80	Qz	25		Mod. silicification (15%); Qz veins to 6 cm (10%) @ 30-60 CA
	16.10	23.80	Sr	20		Mod. pervasive sericitization; also Sr on fractures associated w/ Cl
	16.10	23.80	Cl	10		On fractures, after mafics & in Qz vns/vlts
	16.10	23.80	Ca	2		Minor Ca fracture-fillings; general HCL "fizz test" negative
	23.8	25	Sr	50		Strongly sericitized & foliated wallrx. to Main Vein below
	23.8	25	Qz	20		Mod. pervasive silicification (15%); Qz veins to 1 cm (5%) @ 40 CA
	23.8	25	Cl	2		Minor along foliation planes
	23.8	25	Ca	nil		
	25	26.8	Qz	>90		
	25	26.8	Cl	1		

	26.8	29.55	Sr	45		Strongly sericitized & foliated wallrx. to Main Vein above
	26.8	29.55	Qz	20		Mod. pervasive silicification (15%); Qz veins to 4 cm (5%) @ 40-60 CA
	26.8	29.55	Cl	2		Minor along foliation planes
	26.8	29.55	Ep	1		Very minor Ep along fractures
	26.8	29.55	Ca	1		Minor Ca hairline fracture-fillings; general HCL "fizz test" negative
	29.55	31.8	Qz	20		Mod. pervasive silicification (20%); Qz veins to 1 cm (<5%) @ 40-50 CA
	29.55	31.8	Sr	15		Mod. sericitized locally
	29.55	31.8	Cl	4		Along fractures; some dark grn clots look like Cl but are too hard
	29.55	31.8	Ep	2		Minor patchy Ep locally
	29.55	31.8	Ca	1		Minor Ca hairline fracture-fillings; general HCL "fizz test" negative
	31.8	36.2	Qz	55		Strong pervasive silicification (50%); Qz veins to 1 cm (10%) @ 30-50 CA; some
						pervasive Qz is dark grey - looks chalcedonous
	31.8	36.2	Sr	20		Mod. pervasive Sr locally
	31.8	36.2	Cl	2		As occasional clot & some along fractures
	31.8	36.2	Ca	Tr		Along hairline fractures; general HCL "fizz test negative.
	36.2	37.65	Qz	>85		
			Cl	10		Fairly abundant Cl along fractures & as clots
			?	1		White, soft mineral filling fractures; does not "fizz" w/ HCL
	37.65	39.35	Qz	50		Mod. - strong pervasive silicification (35%); Qz veins to 15 mm (15%) @ 05-25 CA
	37.65	39.35	Sr	30		Strong pervasive Sr associated w/ pervasive silica
	37.65	39.35	Cl	<5		After remnant mafics
	39.35	71.1	Qz	10		Weak pervasive silicification (5%) locally; Qz veins to 3 cm (5%) @ 40-70 CA
	39.35	71.1	Cl	15		After mafics & along fractures
	39.35	71.1	Sr	5		Mainly along fractures & in shear at 68.55 m; very minor pervasive Sr locally
	39.35	71.1	Kspar	2		Light flesh-coloured alteration after plag locally; possible kspar?
	39.35	71.1	Ca	1		Occasional hairline vlts; general HCL "fizz test" negative
	71.1	72.35	Qz	55		Mod. pervasively silicified (15%) & strong Qz veined (40%) @ 05 CA
	71.1	72.35	Sr	20		Mod.- strong pervasively sericitized
	71.1	72.35	Cl	2		In Qz vein
	71.1	72.35	Ca	tr		Very minor hairline vlts; general HCL "fizz test" negative

	72.35	78	Qz	10		Weak pervasively silicified (5%) locally & weak Qz vns/vlts (5%) to 3 cm @ 50 CA
	72.35	78	Cl	10		After mafics & along fractures
	72.35	78	Sr	<5		Weak pervasive alteration locally; also Sr along fractures
	72.35	78	Ca	1		Very minor hairline vlts; general HCL "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	10.2	in Qz vns/vlts		Py (1)	Very few sulphides given the intensity of the Qz-Sr alteration
	3.05	10.2		diss.	Py (<0.5)	Very few sulphides given the intensity of the Qz-Sr alteration
	3.05	10.2		diss. & fract.	Lim(3)	Light Lim coating on some fractures; local Lim soaking of rocks
	3.05	10.2	in Qz vns/vlts		Sp(0.5),	
					Cp(0.5)	
					Gal?(tr)	Very fine grained lt. grey metallic - possible Gal?
	10.2	10.45	In Qz vein	diss. & blebs	Py(2.5)	
					Cp(0.5),	
					Sp(<0.5),	
					Po(<0.5)	
	10.45	15.55	in Qz vns/vlts		Py (4)	
	10.45	15.55		diss. & fract.	Py (0.5)	Fine diss. Py on fractures associated w/ Cl
	10.45	15.55			Lim(tr)	Very light Lim coating on occasional fracture
	10.45	15.55	in Qz vns/vlts		Cp(tr),	
					Mo(tr)	poss. trace Mo w/in Py aggregate in Qz vn @ 12.2 m
	15.55	16.1	in Qz vein		Py(tr)	Trace Py diss.
	16.1	23.8	in Qz vns/vlts		Py (4)	
	16.1	23.8		diss.	Py(<0.5)	
	16.1	23.8		fractures	Lim(tr)	Very light Lim coating on occasional fracture
	16.1	23.8	in Qz vns/vlts		Po(4)	
					Sp(1.5)	
					Cp(1.5)	
	at 18.3		in Qz vn	blebs &	Po(15), Cp(3)	Massive Po aggregate w/ diss. Cp & lesser Py in 8 cm wide Qz vein @ 75 CA
				aggregates	Py(1)	

	at 21.8		in Qz vn	blebs &	Sp(7), Py(6)	Massive aggregates & blebs of Sp, Py & Cp in 4 cm wide Qz vein @ 65 CA
				aggregates	Cp(3)	
	23.8	25	in Qz vns/vlts		Py (<0.5)	
	23.8	25		diss.	Py(<0.5)	
	23.8	25			Lim(nil)	
	23.8	25	in Qz vns/vlts		Cp(<0.5)	
	25	26.8	blebs &		Py(4), Sp(2)	Sulphides comprise ~8% of vein, as coarse blebs, massive aggregates & locally
			aggregates		Cp(1.5)	as bands in Qz @ 50-60 CA
					Gal(0.5)	
					Lim (nil)	
	26.8	29.55	in Qz vns/vlts		Py (tr)	
				diss.	Py(tr)	
					Lim(nil)	
	29.55	31.8	in Qz vns/vlts		Py (2)	
	29.55	31.8		diss.	Py(tr)	
	29.55	31.8			Lim(nil)	
	29.55	31.8	in Qz vns/vlts		Sp(tr)	
	31.8	36.2	in Qz vns/vlts		Py (<0.5)	
	31.8	36.2		diss.	Py(tr)	
	31.8	36.2			Lim(nil)	
	31.8	36.2	in Qz vns/vlts		Sp(tr), Cp(tr)	
	36.2	37.65	in Qz vein	diss. & blebs	Sp(1.5)	
					Po(0.5)	
					Py(0.5)	
					Cp(<0.5)	
					Mt(<0.5)	
	37.65	39.35	in Qz vns/vlts		Py (1)	
	37.65	39.35		diss.	Py(tr)	Also trace diss. Cp
	37.65	39.35			Lim(nil)	
	37.65	39.35	in Qz vns/vlts		Sp(0.5)	

					Cp(0.5)	
					Sch(1)	Scheelite diss. in Qz vein & at contact
					Po(<0.5)	
					Mt(<0.5)	
	39.35	71.1	in Qz vns/vlts		Py (1)	
				diss.	Py(tr)	Also trace diss. Cp & Sp @ 69.8 m
					Lim(nil)	
			in Qz vns/vlts		Py(1.5)	
					Cp(<0.5)	Mainly between 68 - 71.1 m
					Sp(<0.5),	Mainly between 68 - 71.1 m
					Po(<0.5)	Mainly between 68 - 71.1 m
	71.1	72.35	in Qz vns/vlts		Py (3.5)	
	71.1	72.35		diss.	Py(<0.5)	
	71.1	72.35			Lim(nil)	
	71.1	72.35	in Qz vns/vlts		Po(3.5)	Sulphides comprise ~10% of vein, as coarse blebs, massive aggregates & diss.
					Cp(2)	
					Sp(<0.5),	
					Sch(<0.5)	Minor diss. scheelite near vein margin
	72.35	78	in Qz vns/vlts		Py (2)	
	72.35	78		diss.	Py(0.5)	
	72.35	78			Lim(nil)	
	72.35	78	in Qz vns/vlts		Po(1.5)	
					Cp(<0.5)	
					Sp(<0.5),	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 8, 2009
Project:	Deer Horn			Azimuth:	156	Date(s) Logged: October 17, 2009
Hole:	DH09-068			Dip:	-50	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613823	5913936	Elevation:	1317.7	End of Hole (TD): 35.1 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	10.67	Dk grey-grn	Mod. - well		Qz, plag, Cl	**QUARTZ DIORITE (QD)**
			foliated		hbld	Mod. - well foliated, mafic rich (35-40%)
10.67	10.95	mainly white	weak. fract'd		Qz, Py, Cp,	**QUARTZ VEIN (QV)**
			locally		Lim, Cl	Weakly mineralized Qz vein, w/ minor diss. Py, Lim after Py & trace Cp
10.95	25.6	lt. grey to	non-foliated,		Qz, plag, Cl	**GRANODIORITE (GD)**
		lt. grey-grn	crystalline		Bi?	Medium to loc. coarse-grained, crystalline; mafics (mostly chloritized) comprise ~
						15% of rock; chloritized mafics altering mainly Bi?; rock is much more intermedi-
						ate in composition than Qd from 3.05 - 10.67 m
25.6	27.65	white to	massive to		Qz, Py, Cp,	**MAIN VEIN (MV)**
		dk grey	mod. - well		Sp, Gal, Mt	Well-mineralized Qz vein; ~10% total Sulph/Ox comprised of coarse aggregates,
			fractured		Lim, Cl	blebs, diss. and locally banding of sulphides @ 70 CA
27.65	35.1	cream to lt.	non-foliated		Qz, Sr,	**GRANODIORITE? (GD?)**
		grey	to weak fol'd		plag, Cl	Generally Qz-Sr altered; weakly foliated at 50 CA where pervasive Sr stronger;
						textures vague
EOH @ 35.1 m						

	Structure:					
	From	To	Type	TCA	Condition	Notes:
	3.05	10.67	foliation	50		Mod. - well foliated

	at 10.67		contact	?	core broken	HW contact of Qz vein
	at 10.95		contact	?	core broken	FW contact of Qz vein
	at 13.6		minor fault	40	sheared	Sheared, sericitized over 1 cm width
	at 25.6		contact	75	sharp	HW contact of Main vein
	at 27.65		contact	?	core broken	FW contact of Main Vein
	27.65	35.1	foliation	50		Weak foliation in more stongly sericitized zones
	at 29.85		minor fault	45	sheared	Sheared, sericitized over 3 cm width
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	10.67	Qz	<5		Weak Qz vns/vlts to 15 mm (<5%) @ 10-50 CA
	3.05	10.67	Cl	15		After mafics, along fractures & in Qz vns/vlts.
	3.05	10.67	Ep	5		Locally patchy pervasive, along fractures & in Qz vns/vlts.
	3.05	10.67	Ze	1		Possibly minor zeolite on fractures
	3.05	10.67	Ca	nil		
	10.67	10.95	Qz	>95		
	10.67	10.95	Cl	2		
	10.95	14.05	Qz	15		Weak pervasive silica (10%) locally; mod. Qz vns/vlts (15%) to 1 cm @ 15-75 CA
	10.95	14.05	Sr	10		Weak-mod. pervasive Sr locally; also along fractures
	10.95	14.05	Cl	10		After mafics, along fractures & in Qz vns/vlts.
	10.95	14.05	Ca	1		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	10.95	14.05	Ep	tr		In Qz vns/vlts
	14.05	24.80	Qz	15		Weak-mod. pervasive silica (10%) locally; weak Qz vns/vlts (5%) to 4 cm @ 50-70
	14.05	24.80	Cl	10		After mafics, along fractures & in Qz vns/vlts.
	14.05	24.80	Sr	5		Very minor pervasive; also along fractures
	14.05	24.80	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	24.80	25.60	Qz	20		Weak perv. silica (10%) loc.; weak-mod. Qz vns/vlts (10%) to 5 cm @ 30-50 CA
	24.80	25.60	Sr	20		Mod. pervasive & along fractures
	24.80	25.60	Cl	3		Along fractures & in Qz vns/vlts.
	24.80	25.60	Ca	nil		
	25.6	27.65	Qz	>85		

	25.6	27.65	Ser	3		In sericitized wallrx. inclusions
	25.6	27.65	Cl	2		As clots & along fractures
	25.6	27.65	Ca	nil		
	27.65	35.1	Qz	30		Mod. pervasive silicification (20%); Qz veins to 10 cm (5%) @ 40-75 CA
	27.65	35.1	Sr	25		Mod. - strong pervasive Sr; also Sr along fractures
	27.65	35.1	Cl	5		Along fractures & in Qz vns/vlts.
	27.65	35.1	Ca	3		Hairline Ca fracture-fillings; general HCL "fizz test" negative
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	10.67	in Qz vns/vlts		Py (<0.5)	
	3.05	10.67		diss. & fract.	Py (<0.5)	
	3.05	10.67		diss.	Lim(2)	Lim & Goet coating on some fractures
	3.05	10.67	in Qz vns/vlts		Cp(tr),	
	10.67	10.95	in Qz vein	diss.	Py(tr)	
	10.67	10.95			Lim(tr)	
	10.95	14.05	in Qz vns/vlts		Py (0.5)	
	10.95	14.05		diss. & fract.	Py (tr)	
	10.95	14.05		diss.	Lim(2)	Lim & Goet coating on some fractures
	10.95	14.05	in Qz vns/vlts		Cp(<0.5),	
					Gal(tr.)	Possible very fine grained Gal diss.
	14.05	24.8	in Qz vns/vlts		Py (1)	
	14.05	24.8		fract.&(diss)	Py (0.5)	
	14.05	24.8			Lim(nil)	
	14.05	24.8	in Qz vns/vlts		Sp(2),	
					Cp(1.5)	
	24.8	25.6	in Qz vns/vlts		Py (1.5)	
	24.8	25.6		diss. & fract.	Py (<0.5)	
	24.8	25.6		on fractures	Lim(1)	
	24.8	25.6	in Qz vns/vlts		Cp(1)	
	25.6	27.65	in Qz vein	diss. & blebs	Py(2), Sp(3)	Well-mineralized Main Vein

					Cp(1.5)	
					Po(1.5)	
					Mt(1.5)	
					Gal(0.5)	
					Lim(tr)	
	27.65	35.1	in Qz vns/vlts		Py (<0.5)	
	27.65	35.1		diss. & fract.	Py (<0.5)	
	27.65	35.1		on fractures	Lim(1)	
	27.65	35.1	in Qz vns/vlts		Sp(<0.5)	
					Cp(tr), Gal(tr)	

Company:	Golden Odyssey			Casing:	3.05	Date(s) Drilled: October 8-9, 2009
Project:	Deer Horn			Azimuth:	156	Date(s) Logged: October 18, 2009
Hole:	DH09-069			Dip:	-70	Start of Hole (top of bedrock): 3.05 m
Collar Location:		613823	5913936	Elevation:	1317.7	End of Hole (TD): 61.0 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	4.15	Dk grey-grn	Mod. Foliated		Qz, plag, Cl	**QUARTZ DIORITE (QD)**
					hbld	Mod. - well foliated, mafic rich (35-40%)
4.15	4.95	white to dark	mod. fract'd		Qz, Py, Cp?,	**QUARTZ VEIN (QV)**
		grey	locally		Lim, Cl	Weakly mineralized Qz vein, w/ diss. & locally aggregate Py; possible Cp, but
						may be tarnished Py
4.95	8	lt. grey to	mostly non-		Qz, plag, Cl	**GRANODIORITE (GD)**
		lt. grey-grn	foliated,		Bi?	Medium to loc. coarse-grained, crystalline; mafics (mostly chloritized) comprise ~
			crystalline			15% of rock; chloritized mafics altering mainly Bi?; rock is more intermediate in
						composition than QD from 3.05 - 4.15 m; possibly vaguely foliated locally
8	8.25	white to	massive to		Qz, Py, Po,	**QUARTZ VEIN (QV)**
		dk grey	mod. - well		Cp, Cl	Well-mineralized Qz vein; ~10% total Sulph/Ox comprised of coarse aggregates,
			fractured		Ep	blebs & diss. of mainly Py-Po w/ lesser Cp
8.25	22.25	cream to lt.	non-foliated		Qz, Sr,	**GRANODIORITE? (GD?)**
		grey			plag, Cl	Similar to 4.95 to 8 m
22.25	24.5	white to	massive to		Qz, Py, Po,	**MAIN VEIN (MV)**
		dark grey	mod. - well		Sp, Cp, Mt,	Moderately to well-mineralized quartz vein; dominant sulphides are Sp, Po, Cp w/
			fractured		Cl	lesser Py & Mt; total Sulph/Ox = about 8%

24.5	54.4	cream to lt.	non-foliated		Qz, Sr,	**GRANODIORITE? (GD?)**
		grey to lt.			plag, Cl	Similar to 4.95 to 8 m; variably altered - see alteration sub-intervals below
		grey-grn				
54.4	55.35	mainly white	massive to		Qz, Py, Cp,	**QUARTZ VEIN (QV)**
			weakly fract'd		Po, Cl, Sr	Weakly mineralized w/ ~3% total sulphides (Py, Po & lesser Cp); some metallic
						light grey mineral, non magnetic = ?
55.35	61	lt. grey-grn	non-foliated,		Qz, plag, Cl	**GRANODIORITE (GD)**
			crystalline			Medium to coarse grained, crystalline w/ ~15% Cl after mafics (likely Bi)
EOH @ 61.0 m						

	Structure:					
	From	To	Type	TCA	Condition	Notes:
	3.05	4.15	foliation	40		Mod. foliated
	at 4.15		contact	?	core broken	HW contact of Qz vein
	at 4.95		contact	70	sharp	FW contact of Qz vein
	4.95	8	foliation	55		Vague alignment of mafics locally
	at 6.05		minor fault	45	sheared	Sheared, brecciated & sericitized minor fault @ 45 CA
	at 8		contact	80	sharp	HW contact of quartz vein
	at 8.25		contact	85	sharp	FW contact of quartz vein
	at 22.25		contact	75	sharp	HW contact of Main Vein
	at 24.5		contact	?	core broken	FW contact of Main Vein
	at 34.65		minor fault	50	gouge	Cl-Sr altered
	at 38.4		minor fault	35	sheared	Sheared & sericitized 5 cm wide minor fault/shear @ 30 CA
	46.50	48.2	minor fault	10	sheared	Sr-Cl-Cly-(Ca) altered minor shears @ 46.5 - 48.2 m
	at 54.4		contact	?	irreg.	HW contact of quartz vein
	at 55.35		contact	65	sharp	FW contact of quartz vein
	Alteration:					Notes:

	From	To	Assemblage	Mineral (%)		
	3.05	4.15	Qz	tr		Very weak Qz vlt (1 only) to 2 mm @ 35 CA
	3.05	4.15	Cl	15		After mafics and along fractures
	3.05	4.15	Ep	<5		Locally patchy pervasive
	3.05	4.15	Ca	nil		
	4.15	4.95	Qz	>95		
	4.15	4.95	Cl	2		
	4.95	8.00	Qz	25		Mod. pervasive silica (15%) locally; weak-mod. Qz vns/vlts (10%) to 3 cm @ 40-70
	4.95	8.00	Cl	10		After mafics & as selvage to Qz vein at 4.95 m
	4.95	8.00	Sr	10		In minor fault, along fractures & locally as mod. Pervasive
	4.95	8.00	Ca	2		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	4.95	8.00	Ep	1		Minor diss, & in Qz veins
	8.00	8.25	Qz	>85		
	8.00	8.25	Cl	3		
	8.00	8.25	Ep	2		
	8.25	20.10	Qz	15		Weak pervasive silica (10%) locally; weak Qz vns/vlts (<5%) to 2 cm @ 30-40 CA
	8.25	20.10	Sr	15		Mod. pervasive Sr; also Sr along fractures & minor shears
	8.25	20.10	Cl	10		After mafics & along fractures - more so in the 1st half of the interval
	8.25	20.10	Ca	3		Minor Ca vlts & fracture-fillings; general HCL "fizz test" negative
	8.25	20.10	Ep	1		In Qz vns locally
	20.1	22.25	Qz	20		Weak pervasive silica (10%) locally; mod. Qz vns/vlts (10%) to 3 cm @ 60-80 CA
	20.1	22.25	Sr	30		Mod. - strong pervasive Sr
	20.1	22.25	Cl	5		Locally after mafics; lso some in Qz veins
	20.1	22.25	Ca	3		Minor Ca fracture-fillings; general HCL "fizz test" weakly positive locally
	22.25	24.5	Qz	>90		
	22.25	24.5	Cl	2		
	24.5	26.65	Qz	30		Mod. - strong pervasive silica (25%); weak Qz vns/vlts (5%) to 4 cm @ 40-50 CA
	24.5	26.65	Sr	25		Mod. - strong pervasive Sr
	24.5	26.65	Cl	<5		In Qz veins
	24.5	26.65	Ca	tr		Very minor Ca fracture-fillings; general HCL "fizz test" negative

	26.65	32	Qz	10		Weak pervasive silica (5%); weak Qz vns/vlts (5%) to 1 cm @ 50 CA
	26.65	32	Cl	10		After mafics & in Qz vns/vlts
	26.65	32	Sr	5		Mostly on fractures; very minor pervasive Sr
	26.65	32	Ep	2		In Qz vns/vlts; minor patchy Ep
	26.65	32	Ca	1		Minor Ca fracture-fillings; general HCL "fizz test" negative
	32	36.6	Qz	30		Mod. pervasive silica (20%); weak-mod. Qz vns/vlts (10%) to 3 cm @ 40-50 CA
	32	36.6	Sr	20		Mod. pervasive Sr; also on fractures
	32	36.6	Cl	5		In minor fault @ 34.65 m; also after mafics & in Qz vns/vlts
	32	36.6	Ca	1		Minor Ca fracture-fillings; general HCL "fizz test" negative
	36.6	49.9	Qz	10		Weak pervasive silica (5%); weak Qz vns/vlts (5%) to 4 cm @ 30-50 CA
	36.6	49.9	Cl	15		After mafics, along fractures & in Qz vns/vlts
	36.6	49.9	Sr	<10		Minor pervasive Sr; also w/ Cl-Cly-(Ca) in minor shears @ 46.5 - 48.2 m
	36.6	49.9	Ca	2		Minor Ca fracture-fillings; general HCL "fizz test" negative
	49.9	54.4	Qz	40		Mod. pervasive silica (20%); mod. - strong Qz vns/vlts (20%) to 5 cm @ 10-60 CA
	49.9	54.4	Sr	35		Mod. - strong pervasive Sr throughout interval
	49.9	54.4	Cl	3		In Qz vns/vlts & along fractures
	49.9	54.4	Ca	2		Minor Ca fracture-fillings; general HCL "fizz test" weakly positive
	54.4	55.35	Qz	>90		
	54.4	55.35	Sr	5		Pervasive Sr in wallrx. Inclusions
	54.4	55.35	Cl	2		
	55.35	55.85	Qz	50		Mod. pervasive silica (15%); strong Qz vns/vlts (35%) to 1 cm @ 50 CA
	55.35	55.85	Sr	35		Strong pervasive Sr
	55.35	55.85	Cl	2		
	55.35	55.85	Ca	tr		Along hairline fractures; general HCL "fizz test" negative
	55.85	61	Qz	1		A few 2-3 mm Qz vlts @ 40-50 CA; no pervasive Qz
	55.85	61	Cl	15		After mafics & along fractures
	55.85	61	Ca	2		Minor Ca fracture-fillings; general HCL "fizz test" negative
	55.85	61	Cly	1		Locally associated w/ minor shearing
	55.85	61	Sr	tr		Along fractures; no pervasive Sr
	Economic Minerals:					Notes:

	From	To	Style 1	Style 2	Mineral (%)	
	3.05	4.15	in Qz vns/vlts		Py (1)	
	3.05	4.15		diss.	Py (<0.5)	
	3.05	4.15		on fractures	Lim(4)	Lim & Goet commonly coating fractures
	4.15	4.95	in Qz vein	diss.	Py(2), Cp(tr?)	Possible Cp may be tarnished Py
	4.15	4.95	soaking	on fractures	Lim(3)	
	4.95	8	in Qz vns/vlts		Py (1.5)	
	4.95	8		fract.&(diss)	Py (0.5)	
	4.95	8		on fractures	Lim(2)	
	4.95	8	in Qz vns/vlts		Sp(0.5),	
					Cp(0.5)	
	8	8.25	in Qz vein	diss., blebs	Py(3.5)	
				& aggregates	Po(3.5)	
					Cp(1)	
	8	8.25		after Py-Po	Lim(2)	
	8.25	20.1	in Qz vns/vlts		Py (1.5)	
	8.25	20.1		diss. & fract.	Py (0.5)	
	8.25	20.1			Lim(nil)	
	8.25	20.1	in Qz vns/vlts		Cp(<0.5)	
	20.1	22.25	in Qz vns/vlts		Py (2)	
	20.1	22.25		diss. & fract.	Py (<0.5)	
	20.1	22.25			Lim(nil)	
	20.1	22.25	in Qz vns/vlts		Cp(<0.5)	
					Sp(<0.5)	
	22.25	24.5	in Qz vein	diss., blebs	Py(1.5)	
				& aggregates	Po(2), Sp(3)	
					Cp(2), Mt(1)	
			soaking	on fractures	Lim(2)	
	24.5	26.65	in Qz vns/vlts		Py (2)	
	24.5	26.65		diss. & fract.	Py (<0.5)	

	24.5	26.65			Lim(nil)	
	24.5	26.65	in Qz vns/vlts		Cp(tr)	
	26.65	32	in Qz vns/vlts		Py (<0.5)	
	26.65	32		diss. & fract.	Py (<0.5)	
	26.65	32			Lim(nil)	
	26.65	32	in Qz vns/vlts		Cp(tr), Sp(tr)	
	32	36.6	in Qz vns/vlts		Py (1.5)	
	32	36.6		diss. & blebs	Py (0.5)	w/ minor diss. Cp
	32	36.6			Lim(nil)	
	32	36.6	in Qz vns/vlts		Cp(tr), Sp(tr)	
	36.6	49.9	in Qz vns/vlts		Py (1.5)	
	36.6	49.9		diss. & blebs	Py (0.5)	also minor Py on fractures
	36.6	49.9			Lim(tr)	
	36.6	49.9	in Qz vns/vlts		Cp(tr)	
	49.9	54.4	in Qz vns/vlts		Py(3)	
	49.9	54.4		diss. & blebs	Py (<0.5)	
	49.9	54.4			Lim(nil)	
	49.9	54.4	in Qz vns/vlts		Po(2), Cp(2)	
	54.4	55.35	in Qz vein	diss, bleb &	Py(1.5)	
				aggregates	Cp(0.5)	
					Po(1)	
	55.35	55.85	in Qz vns/vlts		Py(tr-nil)	
	55.35	55.85		diss. & blebs	Py (tr-nil)	
	55.35	55.85			Lim(nil)	
	55.85	61	in Qz vns/vlts		Py(tr)	
	55.85	61		diss.	Py (tr)	
	55.85	61			Lim(nil)	

Company:	Golden Odyssey					Date(s) Drilled: Oct. 9-10/09
Project:	Deer Horn			Azimuth:	360	Date(s) Logged: Oct. 22-24/09
Hole:	DH09-070	Site E		Dip:	-60	Start of Hole: 2.76 m
Collar Location:		613823	5913934	Elevation:	1317.6	End of Hole: 77.72 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.76					**CASING**
2.76	3.05	pale grey	weakly	cl, bt	py	**QUARTZ DIORITE**
			foliated			overall weakly to moderately foliated salt-and-pepper, medium-grained, quartz diorite
3.05	11.58	pale grey-	crystalline,		qz pl cl bt	**GRANODIORITE**
		brown	equigranular to porphyritic			leucocratic, mafics chlorite altered; local mottled areas of secondary bt;
						trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation intensity increases at ~11.58 m; tr cp sp po in qtz veinlets and near vein margins;
11.58	12.43	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intensely qz se altered and foliated; with narrow qz+/-py-cp-sp-dull gre mineral stringers
12.43	12.55	pale green	sheared		qz se	intensely se altered and strongly foliated to sheared; immediate HW to vein with narrow barren qz stringers
12.55	14.27	white to pale grey	massive, banded		mg py cp sp	**QUARTZ SULPHIDE VEIN**: massive to banded pale grey qz vein with well-developed banding parallel to the vein ctc in top 8 cm of vein-pale grey with band of pyrite; banding at higher angle to CA through vein defined by alignment of mg-cp-cl in first part of vein; in second part of vein banding defined by m to c gr sp py cp cl; second sample contains appreciably more sx: sp cp py higher; samples at 12.55-13.55; 13.55-14.27;
14.27	14.97	pale grey-green	foliated		py mo	**QUARTZ SERICITE ROCK**: qz+/-sx stringers in qz se altered country rock, FW to vein
14.97	28.77	pale grey-green	foliated		qz pl cl bt	**GRANODIORITE**: leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally; tr cp sp in qtz veinlets and near vein margins;
28.77	29.11	white to pale grey	massive qz; banded w sx		py sp cp mo	**QUARTZ SULPHIDE VEIN ZONE**: two closely spaced veins, separated by fol qz se rock, with c gr intergrown cp-py and mo-cp-py and sp-cp-py on FW selvage; sample at 28.11-29.11 m.

29.11	30.06	off-white	equigranular, pitted		py mo	**FELSIC INTRUSION**: strongly clay-altered felsic (granodiorite) dyke; diss py (0.5%) and tr mo; sample at 29.11-30.11 m.
30.06	33.30	pale grey-green	equigranular to porphyritic, locally foliated			**GRANODIORITE**: leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally starting at 30.11m - which can be considered start of Contact zone; tr cp sp in qtz veinlets and near vein margins; veins account for 10-15% of intervals; samples at 30.11-31.61, 31.61-33.11.
33.30	33.81	white	massive qz; banded w sx		qz cy cl mg sp cp py	**QUARTZ SULPHIDE VEIN**: 'bull' white qz vein with chlorite and minor clay patches; diss mg sp py totaling 1-2%; vein includes minor band of qz se rock; sample at 33.11-33.81 m.
33.81	34.35	pale grey-green	equigranular to porphyritic, locally foliated			**GRANODIORITE**: leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally; tr cp sp in qtz veinlets and near vein margins; veins account for < 5% of intervals; sample at 33.81-35.31 m.
34.35	34.85	grey-green	porphyritic		qz pl cl cy si	**PORPHYRITITC DYKE**: could be phase of granodiorite; texture becomes foliated on upper and lower ctcs
34.85	37.27	pale grey	crystalline, equigranular to porphyritic	si	si se	**GRANODIORITE**: intensely silicified, cut by sheeted qz+/-sx veinlets above ctc with sedimentary package; veins account for 35-40% of the sample intervals with one discrete qz vein from 37.82-37.99 w 2-3% mg py cp sp; samples at 35.31-36.81 and 36.81-38.31 m.
37.27	43.57	pale grey-brown		si	si se	**GREYWACKE**: strongly silicified zone with abdt qz; alteration diminishes at 37.40; later part is cut by series of porphyry dykes (or pseudo-porphyry texture?); 0.5% diss py po; 10 cm qz vein at 40.61 with 2-3% sp py cp; moderate to intense silica alteration from 41.0 to 44.65 m; samples at 38.31-39.81, 39.81-41.31, 41.31-42.81, 42.81-44.31 m.

43.57	66.70	mottled grey-brown pistachio green	clastic, bedded; porphyritic	contact thermal	ep ab si ca bt	hornfelsing and epidote alteration is discontinuous to 46.65 m then diminshes, but is intense at 55.08 for a few cm and agian at 55.50 m with ab for 40 cm and becomes very intense at 57.72 m where epidote has replaced the next 1.3 m section; from 59.02 onward, ep ab replacement is spotty; moderate silica alteration from 49.0 to 49.6 m; tr diss py also throughout; porphyritic texture indicates series of invading dykes-contacts are diffuse (but could be introduced (i.e. porphyroblastic); samples at: 44.31-45.81 (si and ep-alt. zone cut by qz-sp-cp and qz-ca-cl-py veinlets), 48.41-50.11 (wacke, weak to mod and spotty si-bt (ctc thermal alteration, narrow banded qz-mo vein at bottom of section), 50.11-51.06 (narrow banded qz-mo vein at top of section with several qz veinlets carrying tr po sp cutting si altered wacke); 51.06-52.06 (15% qz-mo-py banded veins cutting locally si altered wacke); 57.72-59.02 (moderate to intense ep-ab altered zone)
66.7	72.26	offwhite	crystalline, equigranular to porphyritic	si	si se	**SILICIFIED ZONE**: intensely silicified zone may be altered granodiorite, but includes porphyritic texture and possibly lenses of si-altered wacke/c g sst,
72.26	77.05	grey-brown	clastic, bedded; porphyritic	contact thermal	si bt cl, ep	**GREYWACKE**: variably altered to patchy browns and greens and pale greys where silicified; tr py locally
77.05	77.72	black	foliated			**ARGILLITE**: hornfelsed argillite w sub-mm fabric-parallel laminae of po; magnetic
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	11.80		foliation		smooth	well-developed foliation just above contact with vein
	12.55		vein contact upper	60	smooth	top ctc of vein with intensely sericitized and foliated/sheared wallrock (altered qz di?);
	12.80		sx banding	35		mg-cp-cl mm-scale bands
	14.27		vein contact lower	59	smooth	sheared; vein continues, but includes bands of qz se wall rock
	24.00		foliation	45	smooth	in qz se rock
	32.30		vein ctc	82	smooth	orientation of sheeted veinlets
	37.53		foliation	80	smooth	in wacke

	40.61		vein	60	smooth	orientation of vein; is parallel to foliation also
	45.50		jointing	60	smooth	
	46.20		bedding	83	planar	approx bedding in sandstone-grit
	51.06		vein	55	planar	banded qz-mo veinlets
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.76	11.58		ch, bt, py		weak to mod. chloritization of mafics; local patchy bt alteration/hornfelsing; leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation intensity increases at ~11.58 m; tr cp sp po in qtz veinlets and near vein margins;
	11.58	12.55		se qz		intensely qz se altered and foliated; with narrow qz+/-py-cp-sp-dull gre mineral stringers
	14.27	14.97		se qz		qz se with strong foliation / shearing
	14.97	28.77		qz pl cl bt		leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally; tr cp sp in qtz veinlets and near vein margins;
	29.11	30.06		cy		strongly clay-altered felsic (granodiorite) dyke; diss py (0.5%) and tr mo
	30.06	33.30		ch, bt, py		leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally starting at 30.11m - which can be considered start of Contact zone; tr cp sp in qtz veinlets and near vein margins; veins account for 10-15% of intervals; samples at 30.11-31.61, 31.61-33.11.
	33.81	34.35		ch, bt, py		leucocratic, mafics chlorite altered; local mottled areas of secondary bt; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation is well developed locally; tr cp sp in qtz veinlets and near vein margins; veins account for < 5% of intervals; sample at 33.81-35.31 m.
	34.35	34.85		qz pl cl cy si		could be phase of granodiorite; texture becomes foliated on upper and lower ctcs
	34.85	37.27		si		intensely silicified, cut by sheeted qz+/-sx veinlets above ctc with sedimentary package; veins account for 35-40% of the sample intervals with one discrete qz vein from 37.82-37.99 w 2-3% mg py cp sp

	37.27	43.57		si se py		strongly silicified zone with abdt qz; alteration diminishes at 37.40; later part is cut by series of porphyry dykes (or pseudo-porphyry texture?); 0.5% diss py po; 10 cm qz vein at 40.61 with 2-3% sp py cp; moderate to intense silica alteration from 41.0 to 44.65 m
	43.57	66.70		ep ab si ca bt		hornfelsing and epidote alteration is discontinuous to 46.65 m then diminshes, but is intense at 55.08 for a few cm and agian at 55.50 m with ab for 40 cm and becomes very intense at 57.72 m where epidote has replaced the next 1.3 m section; from 59.02 onward, ep ab replacement is spotty; moderate silica alteration from 49.0 to 49.6 m; tr diss py also throughout; porphyritic texture indicates series of invading dykes-contacts are diffuse (but could be introduced (i.e. porphyroblastic); samples at: 44.31-45.81 (si and ep-alt. zone cut by qz-sp-cp and qz-ca-cl-py veinlets), 48.41-50.11 (wacke, weak to mod and spotty si-bt (ctc thermal alteration), 50.11-51.06 (narrow banded qz-mo vein at top of section with several qz veinlets carrying tr po sp cutting si altered wacke); 51.06-52.06 (15% qz-mo-py banded veins cutting locally si altered wacke); 57.72-59.02 (moderate to intense ep-ab altered zone)
	66.7	72.26		si se		intensely silicified zone may be altered granodiorite, but includes porphyritic texture and possibly lenses of si-altered wacke/c g sst,
	72.26	77.05		si bt cl, ep		variably altered to patchy browns and greens and pale greys where silicified; tr py locally
	77.05	77.72		bt		hornfelsed argillite w sub-mm fabric-parallel laminae of po; magnetic
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	12.55	14.27	vein	banded	sp (2-3), py (2-3), cp (0.5)	moderate to well-developed banding throughout vein; py in upper part, mg-cp-cl in central part, sp py cp cl in lower part; second sample contains appreciably more sx: sp cp py higher; samples at 12.55-13.55; 13.55-14.27;
	14.27	14.97	stringers FW to main vein	banded	py (0.5-1) mo (tr)	stringers in FW cutting highly qz se altered country rock
	21.38		vein		mo (tr)	2 cm, with py
	28.11	29.06	vein			two closely spaced veins, separated by fol qz se rock, with c gr intergrown cp-py and mo-cp- py and sp-cp-py on FW selvage

Company:	Golden Odyssey					Date(s) Drilled: Oct. 11-13/09
Project:	Deer Horn			Azimuth:	359	Date(s) Logged: Oct. 16-18/09
Hole:	DH09-072	Site L		Dip:	-51	Start of Hole: 0.80 m
Collar Location:		613657.3	5913953.3	Elevation:	1374.3	End of Hole: 68.28 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.8	11.26	greenish-grey	foliated		cl py	**QUARTZ DIORITE**: mottled greenish-grey to grey, medium-grained, weakly to strongly foliated quartz diorite; locally magnetic; trace to 1% diss py; trace to 2% py in qtz veinlets; local discolouration to pale grey where foliation becomes shearing
11.26	15.97	pale grey to white	equigranular			**FELSIC DYKE**: bleached, qz veined and silicified felsic intrusion; euhedral, cubic pyrite up to 22 mm across; traces of diss py and diss cp; mo in banded qz veins; start of sample interval
15.97	28.06					**QUARTZ DIORITE**: mottled greenish-grey to grey to pinkish grey, medium-grained, weakly to strongly foliated quartz diorite; locally magnetic; trace to 1% diss py; sheared,silicified and chlorite-altered at contact with vein; is cut by numerous qz veinlets with trace py and cp; local discolouration to pale grey where foliation becomes shearing
28.06	31.70		massive qz with ~3% sx		qz, py, cp, sp, cv	**QUARTZ SULPHIDE VEIN**: traces of unknown grey-black metallic mineral
30.48	30.67		banded			19 cm section of banded py po mg with lesser sp: total sx = 10-12% internal to qz-dominated vein
30.67	31.70					qz vein with tr diss sx and inclusions of qz-se rock
31.70	32.18	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intense qz se altered rock (protolith = qz diorite?); cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide
32.18	32.64				qz py cp sp	**QUARTZ VEIN**: 46 cm length of white quartz with traces of py cp sp and small intensely qz se rock clasts; local drusy cavities
32.64	32.85				qz py sp cp ?	section of more sulphide-rich vein with network of intergrown py sp cp = 5-6%; and tr of a soft dull grey meallic mineral that is locally intergrown with py
32.85	33.58				py cp sp	73 cm length of white quartz with traces of py cp sp and small intense qz se alt'd rock clasts; local drusy cavities
33.58	33.81					intense qz se altered rock (protolith = qz diorite); cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide CA
33.81	34.51					qz vein with diss sx and inclusions of qz-se rock

34.51	34.92	pale green	foliated			**QUARTZ SERICITE ROCK**: intense qz se altered rock; cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide CA
34.92	35.23					**QUARTZ VEIN**: qz vein with diss sx and inclusions of qz-se rock
35.23	35.30				cp py ?	narrow zone of coarse-grained clots or aggregtes of intergrown cp py and a f-gr pale grey sub-metallic mineral
35.30	35.89				py cp sp	primarily py cp with lesser sp in intergrown aggregates or clots in white qz; angluar clasts of qz se rock
35.89	36.64				cp sp py	still in vein, but go from cp sp py to (see next line)
36.64	37.79				cp po mg	cp-po-mg with a grey overall colouration versus the typical white qz
37.79	38.89	pale green	foliated			**QUARTZ SERICITE ROCK**: intense qz se altered rock; cut by several qz veins up to 11 cm wide with traces of py +/- cp +/- sp
38.89	39.11				py sp cp	**QUARTZ VEIN**: 22 cm qz vein with 3-5% py-sp-cp
39.11	41.98	pale green	foliated			**QUARTZ SERICITE ROCK**: intense qz se altered rock; cut by several qz veins up to 8 cm wide with traces of py +/- cp +/- sp and tr silver metallic mineral
41.98	42.38					**QUARTZ VEIN**: discrete qz vein w tr py sp cp @ 65 to CA
42.38	47.24	pale green	foliated			**QUARTZ SERICITE ROCK**: intense qz se altered rock; cut by several qz veins up to 8 cm wide with traces of py +/- cp +/- sp and tr silver metallic mineral
47.24	48.48				sp cp py	**QUARTZ VEIN**: zone with > 50% qz-sx veins; sx = sp cp py in 0.5 - 1%
48.48	50.37	pale green	foliated			**QUARTZ SERICITE ROCK**:
50.37	50.38				sp cp py	**QUARTZ VEIN**: zone with > 50% qz-sx veins; sx = sp cp py in 0.5 - 1%
50.38	51.82	pale grey	foliated		py sp cp	**QUARTZ SERICITE ROCK**: silicified, foliated qz se rock; more siliceous than previous; 25% qz veins +/- tr diss f-gr py sp cp
51.82	53.02				sp cp py	**QUARTZ VEIN**: includes central 20 cm segment containing 15-20% sp-cp-py
53.02	54.22	pale grey-green	foliated			**QUARTZ SERICITE ROCK**: silicified, foliated qz se rock; more siliceous than previous; in contact with porphyritic dyke

54.22	56.98	grey	porphyritic			siliceous, sparsely plagioclase-phyric dyke with grey aphanitic groundmass; upper contact is silicified, bleached cut by qz stringers with tr to 1% total sx = py sp cp and a v f gr dark grey metallic mineral; dyke is also weakly magnetic
56.98	57.21	white			py po cp sp	**QUARTZ VEIN**: total diss sx 1-2%
57.21	63.27	grey	porphyritic			**PORPHYRITIC DYKE**: siliceous, sparsely plagioclase-phyric dyke with grey aphanitic groundmass; upper contatc is silicified, bleached cut by qz stringers with tr to 1% total sx = py sp cp and a v f gr dark grey metallic mineral; dyke is also weakly magnetic
63.27	65.51	green-brown	mottled			**GREYWACKE**: thermally altered (epidotized and hornfelsed) wacke in contact with porphyritic dyke
65.51	66.75	medium grey				**GREYWACKE**: hornfelsed
66.75	66.85	pale grey			sp	**QUARTZ VEIN**: 10 cm; qz w red-brown sp, also silver metallic mineral
66.85	68.28	grey to dark grey	foliated		po	**GREYWACKE**: graphitic, tr to 0.5% po on foliation
	Structure:					Notes:
	From	To	Type	TCA	Condition	
veinlets	7.98		veinlet	55	smooth	
	8.09		veinlet	37	smooth	
	8.23		veinlet	37	smooth	
foliation	11.00		foliation / shear	20-30	smooth	
contact	11.26		contact	35	smooth	bleached, qz veined and silicified felsic dyke; upper contact; start of sample
contact	15.97		contact	40	smooth	lower contact
vein	21.00		qz ksp vein	5	smooth	2.5-4.0 cm qz-ksp vein cutting potassic-altered qz diorite
vein	21.87		qz ab py	10	smooth	
vein	28.06		qz sx	60	sheared / healed	
	32.00		foliation	82	smooth	strong foliation in qz se rock
banding	36.00		sx banding in vein	60		

vein	40.16		vein	65		
vein	41.67		vein	62		veinlet of qz gl cp
vein	41.98	42.38	vein	65		qz w tr py sp cp and rare silver metallic mineral
fracture	51.50		joint	40		
vein	66.75	66.85	vein	70	smooth	qz w
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	0.80	11.26		cl py ca		weak
	11.26	15.97		si py		moderate to intense with veinlets
	15.97	24.34	propylitic	cl py ca		weak; locally weak, spotty potassic overprint
	24.34	28.06	potassic	fs		mottled pink, white, grey cut by
	31.70	32.18		qz se		intense qz se altered rock (protolith = qz diorite?); cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide
	34.51	34.92		qz se		intense qz se altered rock; cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide CA
	37.79	38.89		qz se		intense qz se altered rock; cut by several qz veins up to 11 cm wide with traces of py +/- cp +/- sp
	39.11	41.98		qz se		intense qz se altered rock; cut by several qz veins up to 8 cm wide with traces of py +/- cp +/- sp and tr silver metallic mineral
	42.38	47.24		qz se		intense qz se altered rock; cut by several qz veins up to 8 cm wide with traces of py +/- cp +/- sp and tr silver metallic mineral
	48.48	50.37		qz se		
	50.38	51.82		qz se		silicified, foliated qz se rock; more siliceous than previous; 25% qz veins +/- tr diss f-gr py sp cp
	53.02	54.22		qz se		silicified, foliated qz se rock; more siliceous than previous; in contact with porphyritic dyke
	54.22	56.98		qz		siliceous, sparsely plagioclase-phyric dyke with grey aphanitic groundmass; upper contact is silicified, bleached cut by qz stringers with tr to 1% total sx = py sp cp and a v
	57.21	63.27		qz		siliceous, sparsely plagioclase-phyric dyke with grey aphanitic groundmass; upper contatc is silicified, bleached cut by qz stringers with tr to 1% total sx = py sp cp and a v
	63.27	66.75		ep bt		thermally altered wacke in contact with porphyritic dyke
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	

	11.26	15.97	disseminated	vein	py (tr-1); cp (tr); mo (tr)	py and cp as diss and in veinlets; mo in banded qz veins up to 5 cm wide
	28.06	31.70	vein	disseminated and in narrow (mm) bands subparallel to vein wall; total sulphide content = 3	py (2-3); cp (tr-0.5); sp (0.5-2); po (tr-1); mg (tr-1); mo (tr)	sulphides typically intergown: py-po-mg and py-cp-sp; diss v f-gr soft silver grey mineral; mo primarily in narrow sheeted features within qz vein
	@	28.86			te	possible telluride mineral; grey metallic; subhedral
	@	30.00			te	possible telluride mineral; grey metallic; subhedral

Company:	Golden Odyssey					Date(s) Logged: Oct 13-15/09
Project:	Deer Horn			Azimuth:	359	Date(s) Logged: Oct 18-19/09
Hole:	DH09-073	Site L		Dip:	-61	Start of Hole: 1.52 m
Collar Location:		613657	5913953	Elevation:	1374.3	End of Hole: 68.58 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	1.52					**CASING**
1.52	11.36	grey	equigranular to locally foliated		cl py	**QUARTZ DIORITE**: overall weakly foliated salt-and-pepper, medium-grained, quartz diorite; weakly to moderately magnetic; trace to 1% diss py; trace to 2% py in qtz veinlets; local discolouration to pale grey where sparse narrow qz +/- tr py cp sp stringers occur
11.36	12.64	pale grey to white	equigranular		py	**FELSIC DYKE**: bleached, qz veined and silicified felsic intrusion; euhedral, local cubic pyrite; traces of diss py; inclusion of foliated qz di
12.64	14.00	grey	foliated		py	**QUARTZ DIORITE**
14.00	17.58	pale grey to white	equigranular		py	**FELSIC DYKE**: bleached, qz veined and silicified felsic intrusion; euhedral, local cubic pyrite;
17.58	26.88					**QUARTZ DIORITE**: local kspar alt'n from 17.58 m to 26 m assoc with qz-ab veinlets; strong foliation/shearing and silicification at 26.20 m with qz veinlets; from 26.29 to ctc at 26.88 m rock is pale grey 'mylonitized' and silicified qz di; two 1.5 m samples start at 23.88 m and 25.38 m
26.88	28.38	white	vague bands of sx		py cp po sp	**QUARTZ SULPHIDE VEIN**: 2-3% py cp po sp in mm width semi-continuous bands; spotty aggregates of mg; sample at 26.88-28.38; 28.38-29.38; 29.38-30.48; 30.48-31.28.
28.38	29.38	grey	network sx		cp py sp po cv	jump in total sx content to 6-8% form-long section w zone from 28.77 - 29.18 m carrying 12-15% - principal sx are cp 6-8%, py 3-5%, sp 2-3% and po 1-2%, tr also of cv and silver metallic mineral-some could be gl; sx form interconnected network in and around white qz; sample at 28.38-29.38.
29.38	31.26	white	bands of sx; networks also		py cp sp po	3-4% py cp sp(? straw-grey coloured) in mm width semi-continuous bands and intergrown aggregates and clots up to 2.5 cm across; also diss in qz and locally intergrown w other sx are tr subhedral silver metallic mineral and dull black metallic anhedral mineral; 8 cm from ctc is 1 cm band of po py cp; samples at 29.38-30.48; 30.48-31.28.

31.26	35.85	pale grey-green	foliated; veined		qz py cp sp	**QUARTZ SERICITE ROCK**: qz se rock cut by numerous qz veinlets with tr to 0.5% diss py cp sp and dull blk metallic mineral; veins up to 13 cm across; tr - 1% cubic py and tr cp and v f gr mo in qz vein at 31.7 m; py and sp in qz vein at 31.9 m; samples at 31.28-32.78; 32.78-34.28; 34.28-35.85.
35.85	37.83	white	massive; drusy		qz py cp	**QUARTZ SULPHIDE VEIN**: bull qz vein but with tr diss py cp; local drusy cavities in upper 1 m interval; lower 0.98 m interval same, but bottom 0.45 m has slight increase in sx content to 0.5% py cp sp; sharp ctc with fol qz se rock; samples at 35.85-36.85; 36.85-37.83.
37.83	39.43	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intense qz se altered rock (protolith = qz diorite?); cut by several foliation parallel qz+/-sx veins up to 6 cm wide; samples at 37.83-38.83; 38.83-39.43
39.43	39.73	pale white-gree	foliated		qz se	immediate HW to vein: tr diss silver metallic mineral in silicified fol qz se rock with bull qz on ctc of vein; sample at 39.43-39.73
39.73	40.33		banded		qz py cp sp	**QUARTZ VEIN**: 2 qz-sx veins with 15 cm interburden of qz se rock; upper vein contains 1-2% euhedral to subhedral py and tr cp; lower vein contains 3-4% py with 0.5% cp; sample at 39.73-40.33.
40.33	42.13	pale white-gree	foliated		qz se	**QUARTZ SERICITE ROCK**: immediate HW to vein: tr diss silver metallic mineral in silicified fol qz se rock with bull qz on ctc of vein; samples at 40.33-41.23 and 41.23-42.13.
42.13	42.76	pale grey			py cp sp	**QUARTZ VEIN**: 63 cm segment of qz sx vein w intergrown, interconnected sx totaling 8-10% (py, cp sp); networsection of more sulphide-rich vein with network of intergrown py sp cp = 5-6%; and tr of a soft dull grey metallic mineral that is locally intergrown with py; local drusy cavities; sample at 42.13-42.76 m.
42.76	43.23					47 cm length of white quartz veins cutting fol qz se rock with traces of py cp sp and small intense qz se alt'd rock clasts; local drusy cavities; sample at 42.76-43.23 m.
43.23	44.82	pale green	foliated			**QUARTZ SERICITE ROCK**: intense qz se altered rock; cut by several foliation parallel qz+/-sx veins up to 2.5 cm wide CA; sample at 43.23-44.73 m
44.82	45.14	blotchy grey-green	talcose		tc cl	talcose and chloritic zone; sample at 44.73-46.23 m.
45.14	52.33	pale green	foliated			intense qz se altered rock; cut by several qz veins up to 9 cm wide with tr - locally 5% sp cp py; samples at 46.23-47.73, 47.73-49.23, 49.23-50.73, 50.73-52.33
52.33	53.34	pale grey				**QUARTZ VEIN**: 101 cm length of white quartz vein and si altered qz se rock; tr - 0.5% py w tr cp sp; sample at 52.33-53.34 m.

53.34	55.17	pale grey				includes 33 cm length of si altered grey wall rock (dyke?) at start of interval, then ends with banded qz sx veinlets and inclusions of qz se rock; samples at 53.34-54.59 and 54.59-55.18 m.
55.17	55.30	pale grey-green	foliated			**QUARTZ SERICITE ROCK**: silicified, foliated qz se rock; more siliceous than previous; in contact with porphyritic dyke
55.30	67.04	pale grey	mottled; locally porphyritic			**PORPHYRITIC DYKE ZONE**: zone of siliceous, sparsely plagioclase-phyric dyke with grey aphanitic groundmass; upper contact is silicified, bleached, cut by qz stringers with tr to 1% total sx = py sp cp and a v f gr dark grey metallic mineral; dyke is also weakly magnetic; zone also includes narrow leucocratic dykes, possible strongly deformed (mylonitized wacke, qz se rock (foliated quartz diorite?); sample at 59.18-60.58 where qz stringers carry tr po cp sp py
67.04	68.58	green-brown	mottled		ep cl bt	**GREYWACKE**: thermally altered wacke in contact with porphyritic dyke
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	9.41	9.46	ptygmatic vein			qz with tr gl sp
	11.00		foliation	22	smooth	sericitic
	13.00		foliation	75	smooth	
vein	14.54	14.91	vein			qz w tr py
vein	18.44	18.57	vein	15	smooth	qz w tr py
foliation	26.38		foliation	75-80	smooth	tr py on foliation parallel planes
vein	26.88		upper contact	77		
banding	27.00		banding	75	smooth	py cp in mm width semi-continuous bands; spotty aggregates of mg
joint	28.30		joint in vein	50		
vein	31.26		lower contact	15		
joint	32.50		joint in vein	50	smooth	
foliation	35.39		foliation	78	planar	
vein	35.85		upper contact	65		
vein	37.83		lower contact	60		
vein	40.33		lower contact	58	planar	0.5% cp in slips near contact

vein	42.13		upper contact	62	smooth	
vein	42.76		lower contact	68	smooth	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	

Company:	Golden Odyssey					Date(s) Drilled: Oct 15-16/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct 19-20/09
Hole:	DH09-074	Site L		Dip:	-90	Start of Hole: 1.52 m
Collar Location:		613657	5913953	Elevation:	1374.3	End of Hole: 69.42 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	1.52					**CASING**
1.52	25.45	grey	weakly to strongly foliated	cl	py	**QUARTZ DIORITE**: overall moderately to strongly foliated salt-and-pepper, medium-grained, quartz diorite; weakly to moderately magnetic; mafics chlorite altered; trace to 1% diss py; trace to 5% py, tr cp po in qtz veinlets and near vein margins; local discolouration to pale grey where sparse narrow qz +/- tr sx occur; samples at 22.32-23.82; 23.82-25.32; 25.32-26.82 m.
25.45	26.82	pale grey	intensely foliated			f-gr contact zone; HW to vein
26.82	31.71	white to pale grey	massive qz; vaguely banded w sx		py sp cp po	**QUARTZ SULPHIDE VEIN**: massive white qz vein with vague sx banding and local concentrations of sx up to py sp cp po & tr silver mineral generally as intergrown aggregates forming semi-continuous bands; py locally as subhedral to eudhedral cubes to 2 cm; samples at 26.82-27.62 (last 30 cm is grey w po=py @ 10-12%, 2-3% sp, 1% cp + silver mineral), 27.62-27.97, 27.97-28.97, 28.97-30.21 (mo noted at 29.0-end of vein; f g mo on sub-mm scale fracture at 30.10), 30.21-31.71 m.
31.71	42.67	pale grey-green	foliated; veined			**QUARTZ SERICITE ROCK**: foliated qz se rock cut by numerous qz veinlets; FW to vein; with tr to 0.5% diss py; qz +/- ca veins up to 4 cm across; late cross-cutting ca filled fractrues; tr - 1% subhedral py and tr cp sp; samples at 31.71-33.21, 33.21-34.71, 34.71-36.21.
42.67	42.75	pale grey	smooth		tc	**TALC**: pale grey zone of 'pure' talc
42.75	50.32	pale grey-green				**QUARTZ SERICITE ROCK**: qz se rock cut by numerous qz veinlets with tr to 0.5% diss py; qz +/- ca veins up to 4 cm across; late cross-cutting ca filled fractrues; tr - 1% subhedral py and tr cp sp.
50.32	69.42	pale grey	weakly foliated			**FELSIC INTRUSION**: foliated, but equigranular felsic intrusive rock; possibly granodiorite and also possibl y the less altered version of the qz se rock seen up-section and in other Site L drillholes; locally pyrite occurs in narrow seams, but overall occurs in trace amounts, numerous qz veinlets (7 cm vein @59.51m; 6 cm vein @ 61.51m) with tr to 5% sp py cp

	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	17.30		foliation	65	smooth	
	23.00		foliation	74	smooth	
sx banding	28.20		vein	45		qz vein with vague to prominant sx banding
vein	26.88		upper contact	65		
vein	37.83		lower contact	60		somewhat disrupted and broken ctc
	41.80		foliation	65		
	49.90		veinlet	32		qz veinlet cutting foliation
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	26.82	31.71	vein			see notes above

Company:	Golden Odyssey					Date(s) Drilled: Oct 16-18/09
Project:	Deer Horn			Azimuth:	359	Date(s) Logged: Oct 20-22/09
Hole:	DH09-075	Site L		Dip:	-40	Start of Hole: 0.61 m
Collar Location:		613657	5913953	Elevation:	1374.3	End of Hole: 66.60

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	0.61					**CASING**
0.61	10.65	grey	weakly to moderately foliated	cl	py	**QUARTZ DIORITE**: overall moderately foliated salt-and-pepper, medium-grained, quartz diorite; weakly to moderately magnetic; mafics chlorite altered; trace to 1% diss py; trace to 5% py, tr cp po in qtz veinlets and near vein margins; local discolouration to pale grey where sparse narrow qz +/- tr sx occur;
10.65	11.89	pale pink	equigranular			**FELSIC DYKE**: m to c gr, equigranular to weakly porphyritic with qz ks pl cl as mineral phases; cut by 3 cm qz-ca-py-cp vein w se selvage/envelope that is parallel to CA; possibly a granodiorite or k-alt'd qz di; sharp upper ctc with faulted upper ctc at 70 to CA; sample from 10.65-11.89
11.89	17.60	grey	weakly to moderately foliated	cl, k	py	**QUARTZ DIORITE**: overall moderately foliated salt-and-pepper, medium-grained, quartz diorite; weakly to moderately magnetic; local weak to moderate potassic alt'n ks associated with narrow qz veins; mafics chlorite altered; trace to 1% diss py; trace to 5% py, tr cp po in qtz veinlets and near vein margins; local discolouration to pale grey where sparse narrow qz +/- tr sx occur;
17.6	20.16	offwhite	equigranular			**FELSIC DYKE**: leucocratic, m to c gr, equigranular to weakly porphyritic with qz ks pl cl as mineral phases; possibly a granodiorite; sharp lower ctc at 90 to CA;
20.16	32.81	grey	foliated; veined	cl, k	py	**QUARTZ DIORITE**: local weak to moderate potassic alt'n ks associated with narrow qz veins; mafics chlorite altered; trace to 1% diss py; trace to 5% py, tr cp po in qtz veinlets and near vein margins; local discolouration to pale grey
32.81	33.71	white	massive			**QUARTZ SULPHIDE VEIN**: massive white qz vein at high angle to CA w tr ca in HW of 'main' vein; contains inclusions of silica-sericite-chlorite altered wall rock; tr-0.5%cubic and aggregates of py, tr f gr flake mo on fractures and lesser disseminations and tr cp and sp.
33.71	36.11	pale grey-green	foliated			**QUARTZ DIORITE**: overall moderately foliated salt-and-pepper, medium-grained, quartz diorite; weakly to moderately magnetic; mafics chlorite altered; trace to 1% diss py; trace to 5% py, tr cp po in qtz veinlets and near vein margins; local discolouration to pale grey where sparse narrow qz +/- tr sx occur;

36.11	37.86	white to pale grey	massive qz; banded w sx		py sp cp po	**QUARTZ SULPHIDE VEIN**: intergrown po-py-cp and sp; traces of f gr soft silver-grey metallic mineral locally intergrown with cp; approx 2-3% overall sx primarily in narrow bands w chlorite, mm-scale parallel to vein wall and also of hair-line to 1 mm wide fractures that cross-cut banding, and as isolated grains in quartz matrix
37.86	44.01	pale grey-green	foliated; veined			**QUARTZ SERICITE ROCK**: foliated qz se rock cut by numerous qz veinlets; HW to vein; with tr to 0.5% diss py; qz veins up to 10 cm across; tr - 1% subhedral py and tr cp sp; samples at 37.86-39.36, 39.36-40.86, 40.86-42.36, 42.36-44.50
44.01	44.50	pale grey-green				**FELSIC INTRUSION**: foliated, but equigranular felsic intrusive rock; possibly granodiorite and also possibly the less altered version of the qz se rock seen up-section and in other Site L drillholes; locally pyrite occurs in narrow seams, but overall occurs in trace amounts, numerous qz veinlets
44.50	45.40	white to pale grey	weakly foliated			**QUARTZ SULPHIDE VEIN**: first 23 cm qz vein w sparse/tr sx; middle 21 cm qz se rock cut by narrow qz stringers; followed by 36 cm qz-sx vein (sx in several mm-scale bands - py sp cp gl & tr v f gr silver metallic mineral; sample 44.50-45-40 m.
45.40	46.90	pale grey-green	foliated; veined			**QUARTZ SERICITE ROCK**: zone of 80% qz se rock w 20% cm-scale qz veinlets, some cutting foliation, others parallel to foliation; qz veinlets carry tr py and occasional traces of v f gr silver metallic mineral
46.90	50.05	white to pale grey	banded; massive			**QUARTZ SULPHIDE VEIN**: qz-sx vein with bands of qz se rock; vein consists of zones of white 'bull' quartz with tr sx alternating with zones comprised of grey qz containing v f g diss sx and f g to c g intergrown py po cp sp with tr gl and other silver metallic mineral; often forming bands `parallel' to vein walls; upper part of vein includes numerous angular, silicifed clasts of qz se rock, common drusy cavities lined with subhedral qz crystals; tr cubic py and tr v f gr mo; local late ca fracture fillings and veinlets parallel to CA; samples 46.90-47.65, 47.65-48.45, 48.45-49.45, 49.45-50.05, 50.05-50.70, 50.70-51.20, 51.20-51.90, 51.90-52.80, 52.80-54.15, 54.15-54.90.
50.05	50.70	pale green	foliated; veined			**QUARTZ SERICITE ROCK**: zone of 60% qz se rock w 40% cm-scale qz-sx veinlets ~parallel to foliation; 2.5 cm banded qz-mo at top of segment; qz sx veinlets carry tr -
50.70	51.20	white to pale grey	banded			**QUARTZ SULPHIDE VEIN**: banded qz-mo vein sub-parallel to CA cutting qz-py-sp-cp banded vein that is at 70 to CA
51.20	51.90	pale green	foliated; veined			**QUARTZ SERCITE ROCK**: qz se rock w few cm-scale qz-sx veinlets ~parallel to foliation with tr - 5% py-cp-sp

51.90	54.90	white to pale grey				**QUARTZ SULPHIDE VEIN**: white to pale grey segment of qz vein w 0.5-1% c g (locally) py cp sp and v f gr diss sp py cp gl; sx form semi-continuous bands; minor clasts/inclusions of qz se rock
54.90	57.05	grey	clastic, bedded, foliated			**GREYWACKE**: thermally altered at contact (weakly hornfelsed); contains sub-cm scale qz-sx veinlets containing tr to 2-3% py-sp-cp at ~ 50 to CA; also c g intergrown py-sp-cp veinlet at 20 to CA; samples at 54.90-56.20 and 56.20-57.00 (includes 2 qz sx veins, 1) 12 cm brecciated qz-ca vein with 1% f g and m g py-sp +/- cp; 2) 9 cm banded qz-sx vein w sp-cp-py at 60 to CA; late ca parallel to CA.
57.05	57.25	pale grey	igneous, equigranular			**FELSIC INTRUSION**: possible granodiorite dyke
57.25	58.26	pale grey	clastic, bedded, foliated			**GREYWACKE**: pale grey f to m g wacke; thin bedded; minor interbeds; apparent bdg at 68 to CA
58.26	59.74	white	massive, banded			**QUARTZ SULPHIDE VEIN**: white qz vein with 10% inclusions of wacke; sx occur as f to c g mostly anhedral xtal aggregates of intergrown sp-py+/-cp and minor blotchy grey patches with v f g mo; py also as cubes; near bottom contact have narrow band of sp-cp parallel to ctc at 75 to CA
59.74	63.00	pale grey to green-brown	bedded, banded, mottled			**GREYWACKE**: wacke cu by 'sheeted' qz veinlets w blk 1% sp w tr py-cp in 0.5 - 1.5 cm widths cutting core at 75-80 to CA; from 63.00 - 64.62 is hornfelsed and epidote-altered and contains minor veins with trace to 1% py; bdg/fol at 67 to CA just above ctc w argillite
64.62	66.60	black	bedded, foliated			**ARGILLITE**: v f grained argillite w sub-mm fabric-parallel py
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	0.61	7.90	rubble		rubble	rounded pebbles, gorund rock and strongly fractured and broken from collar to 7.9 m depth
	7.90		joint	45	smooth	
	17.57	17.60	shear zone		smooth	
	35.80		foliation	64	smooth	well-developed foliation just above contact with vein

	36.11		vein contact upper	60	smooth	parallel to foliation in HW rock
	37.86		vein contact lower	40		
	40.94		fol	60		
	40.97		veinlet	50		veinlet cutting folication
	44.50		vein ctc - upper	50		
	45.40		vein ctc - lower	50		
	46.90		vein ctc - upper	75		but numerous stringers at a number of orientations cloud the upper ctc of the vein
	54.90		vein ctc - lower	35		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	0.61	7.00	p	cl		weak cl alteration of mafics
	7.00	7.40	k	ks		narrow zone of potassic alteration assoc with cl in mended fractures
	7.40	8.24	p	cl		weak cl alteration of mafics
	8.24	8.77	k	ks		narrow zone of potassic alteration assoc with qz veining; fractured/mended by cl
	8.77					
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	36.11	37.86	vein		cp (0.5), sp (0.5), po (0.5), py tr-0.5)	intergrown po-py-cp and sp; traces of f gr soft silver-grey metallic mineral locally intergrown with cp; approx 2-3% overall sx primarily in narrow bands w chlorite, mm-scale parallel to vein wall and also if hair-line to 1 mm wide fractures that cross-cut banding fabric, and as isolated grains in quartz matrix
	44.50	45.40	vein			
	46.90	47.65	vein			46.90-47.65, 47.65-48.45, 48.45-49.45, 49.45-50.05, 50.05-50.70, 50.70-51.20
	47.65	48.45	vein			

	48.45	49.45	vein			1-2 % py-cp + mo and/or f gr silver mineral in weakly defined bands
	49.45	50.05	vein			intergrown sp-cp-py and c g cubic py locally; sx total 3%; v f g mo w py at end of interval
	50.05	50.70	interburden		tr mo cp sp	zone of 60% qz se rock w 40% cm-scale qz-sx veinlets ~parallel to foliation; start of interval is 2.5 cm qz-mo-py veinlet w faint banding; remainder is qz se rock cut by qz+/-ab veins w drusy cavities and w tr py cp sp mo (also a v f gr dark grey metallic mineral that is striated parallel to its long axis) that cut foliation; late ca filled micro-fractures/veinlets are parallel to CA and cut qz veins; local micro-breccias occur; qz veinlets carry tr - 5% py-cp-sp
	50.70	51.20	vein			instructive piece of core with banded qz-mo vein that is sub-parallel to CA cutting py-sp-cp banding that is at 70 to CA
	51.20	51.90	interburden			qz se rock w few cm-scale qz-sx veinlets ~parallel to foliation with tr - 5% py-cp-sp
	51.90	52.80	vein			white qz segement of vein w 0.5-1% c g (locally) py cp sp and v f gr diss sp py cp gl; form semi-continuous bands; minor clasts/inclusions of qz se rock
	52.80	54.15	vein			white qz w tr - 0.5% overall py-cp-sp with se on fracatures and late ca-filled hairline fractures
	54.15	54.90	vein			pale grey qz (contains v f g diss sx); also 2-3% diss c g py, 1-2% c g po, ~0.5% cp intergrown with other sx phases, 0.5-1.0% sp, tr gl and tr of 'other' silver metallic mineral
	54.90	57.00				qz sx veins in FW sediments to vein described above

Company:	Golden Odyssey					Date(s) Drilled: Oct 18-19/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct. 24/09
Hole:	DH09-076			Dip:	-90	Start of Hole: 3.05 m
Collar Location:		613699.1	5913934.1	Elevation:	1349.4	End of Hole: 29.57 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	7.98	grey	weakly foliated		fs qz hb cl	**QUARTZ DIORITE**: strongly foliated at collar; overall weakly to moderately foliated salt-and-pepper, medium-grained, quartz diorite; cut by cm-scale qz-py stringers; sample at 6.48-7.98 m.
7.98	10.25	white to pale grey	massive, banded		qz py sp cp bi-te mo	**QUARTZ SULPHIDE VEIN**: white to pale grey quartz with 3-4% total sx as disseminations and bands; py as < 1-5 mm subhedral crystals; intergrown aggregates of py-cp-sp-mo(?) - or other soft grey metallic mineral (seems to 'grey' to be mo, so bismuthinite?-has wrong habit to be mo; so a telluride mineral?); also diss of a apple-green aggregate sp-looking mineral; samples at 7.98-9.14 and 9.14-10.25 m.
10.25	10.85	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intensely qz se altered and silicified and qz veined segment; immediate FW to vein described above; veins and si se-altered rock contain tr-0.5% py; sample at 10.25-11.75 m.
10.85	11.24	pale grey-green	crystalline		qz pl cl bt	**QUARTZ DIORITE**: mafics chlorite altered; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation intensity increases locally; tr cp sp po in qtz veinlets and near vein margins;
11.24	12.66	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intensely qz se altered and silicified and qz veined segment; veins and si se-altered rock contain tr-0.5% py; sample at 11.75-12.75 m.
12.66	24.97	pale grey-green	crystalline		qz pl cl ks se	**QUARTZ DIORITE**: mafics chlorite altered; trace to 1% diss py; trace to 5% py in narrow qz stringers; foliation intensity increases locally; weak to moderate k-spar and si alteration from 22.50 to ctc below
24.97	29.57	medium grey	flow banded, porphyritic		qz pl cl cy si	**PORPHYRITIC DYKE**: felsic to intermediate in composition; flow-banded at contact; sparsely porphyritic throughout;
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	3.05		foliation	60	smooth	well-developed foliation at collar

	7.98		vein contact upper	60	irregular	approximation as ctc is brecciated
	9.70		sx banding	63	planar	defined by
	10.25		vein contact lower	25	fauled	sheared; vein continues, but includes bands of qz se wall rock
	10.85		vein-int ctc	20	planar	
	12.25		foliation	80	smooth	in qz se rock
	24.97		dyke contact	33	smooth	sericite-talc on contact
	25.15		flow banding	16	planar	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	7.98		cl se		local intense chloritization of mafics and sericite alteration that locally masks crystalline texture
	10.25	10.85		si se		includes qz veins
	10.85	11.24		se		
	11.24	12.66		si se		includes qz veins
	12.66	22.50		cl si se		
	22.50	24.97		ks si se cl		
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	7.98	10.25	vein	banded	py (2) sp (0.5) cp (0.5), bi-te (0.5), mo (tr)	poorly to moderately developed banding throughout vein; py in upper part of vein that is somewhat fractured to brecciated with late calcite; samples at 7.98-9.14 and 9.14-10.25 m (second sample includes 10 cm of qz se rock interburden).
	10.25	10.85	stringers FW to main vein	silicified	py (0.5-1) mo (tr)	FW to vein; qz stringers carrying qz se altered country rock
	11.24	12.66	vein	silicified	cp (tr-0.5) mo (tr)	includes a 25 cm banded qz-mo-cp-py vein carrying 2% sx

Company:	Golden Odyssey					Date(s) Drilled: Oct 19/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 24-25/09
Hole:	DH09-077			Dip:	-43	Start of Hole: 1.98 m
Collar Location:		613699.1	5913934.1	Elevation:	1349.4	End of Hole: 23.77 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	1.98					**CASING**
1.98	4.00	dark grey				**QUARTZ DIORITE**: rubble, but in quartz diorite
4.00	6.06	grey	crystalline, foliated		fs qz hb cl	strongly foliated at collar; overall moderately foliated salt-and-pepper, medium-grained, quartz diorite; cut by cm-scale qz-py stringers
6.06	6.30	white to pale orange	banded	oxidized	qz py sp cp	**QUARTZ SULPHIDE VEIN**: white to pale orange quartz with 3-4% total py cp sp; samples at 5.67-7.87 m.
6.30	6.79	grey-brown	crystalline, foliated		py	**QUARTZ DIORITE**: weakly magnetic
6.79	6.89	off-white	banded		py sp cp	**QUARTZ SULPHIDE VEIN**
6.89	8.53	grey-brown	foliated		bt	**QUARTZ DIORITE**: strongly foliated to porphyritic qz di cut by qz-sx stringers;
8.53	12.59	white to pale grey	massive, banded		qz py sp cp gn	**QUARTZ SULPHIDE VEIN**: white to pale grey to pale orange massive quartz with mm-scale sx bands and also local c gr aggregates of intergrown py-cp-sp-gn; local soft dul grey metallic mineral also; overall 2-3 % sx; samples at 8.53-9.73, 9.73-10.63, 10.63-11.13, 11.13-12.43, 12.43-13.83, 13.83-14.96 m see below for individual sample descriptions)
12.59	14.96	white to pale grey	massive, banded		qz py sp cp gn	**QUARTZ SULPHIDE VEIN**: white to pale grey to pale orange massive quartz with mm-scale sx bands and also local c gr aggregates of intergrown py-cp-sp-gn; local soft dul grey metallic mineral also; overall 2-3 % sx; samples at 8.53-9.73, 9.73-10.63, 10.63-11.13, 11.13-12.43, 12.43-13.83, 13.83-14.96 m see below for individual sample descriptions)
14.96	16.66	pale green	foliated		qz se	**QUARTZ SERICITE ROCK**: intensely qz se altered qz di cut bu numerous qz-sx veins and stringers that account for 10-15% of the interval; immediate FW to vein described above; veins and si se-altered rock contain tr-0.5% py sp cp; sample at 14.96-15.66, 15.66-16.16, 16.16-16.66 m.

16.66	17.31	pale grey-brown	crystalline, foliated		qz pl cl bt se	**QUARTZ DIORITE**: mafics chlorite altered; trace to 1% diss py; wewakly foliated;
17.31	18.06	pale green	foliated		qz se py cp mo	**QUARTZ SERICITE ROCK**: intensely qz se altered and silicified and qz veined segment; veins and si se-altered rock contain tr-0.5% combined py cp mo; sample at 11.75-12.75 m.
18.06	23.77	pale grey-brown to grey-green	crystalline, foliated		qz pl cl bt se	**QUARTZ DIORITE**: less altered qz di alternating with bands of qz-se altered and qz veined rock to EOH
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	4.60		foliation	32	smooth	
	10.21		banding	40	planar	sx banding in qz-sx vein
	11.5		fracture	10	planar	coated in Fe-oxide
	14.97		vein contact lower	30	fauled	sheared; vein continues, but includes bands of qz se wall rock
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	7.87	8.53	vein	banded	py po (5 combined)	
	8.53	9.73	vein	banded	py sp cp gn (0.5-1 combined)	weakly banded qz-sx vein except for 13 cm section in centre of vein; white to grey to pale orange 'bull' qz with mm-scale bands of py sp cp gn; 13 cm band of grey qz in centre of section that carries 6-8% cp-py-sp;
	9.73	10.63	vein	banded	py sp cp gn (3-4 combined)	well-banded, white to pale grey 'bull' qz with mm-scale bands of py sp cp gn;37 cm central section of pale grey qz with prominant bands of intergrown py cp-sp gn; c gr aggregates of py-cp with tr of soft dull grey metallic mineral (bismuthinite?) at bottom of sample interval and into next sample interval

	10.63	11.13	vein	silicified	py sp cp gn (1-2 combined)	weakly to non-banded, with c gr aggregates of py-cp-sp-gn and also isolated disseminated grains of each locally;
	11.13	12.43			py sp cp gn (tr-1 combined)	white to pale orange massive qz w diss py cp sp gn
	12.43	13.83			py sp cp gn (tr-1 combined)	white to pale orange massive qz w diss py cp sp gn
	13.83	14.96				

Company:	Golden Odyssey					Date(s) Drilled: Oct 19-20/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct. 25-26/09
Hole:	DH09-078	Site Z		Dip:	-90	Start of Hole: 2.13 m
Collar Location:		613717.8	5913931.4	Elevation:	1342.5	End of Hole: 36.58 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.13					**CASING**
2.13	12.67	dark grey	crystalline, foliated			**QUARTZ DIORITE**: overall moderately foliated salt-and-pepper (50% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers; weakly magnetic; brownish cast to core suggestive of bt hornfelsing from 10.20 to 12.20 m
12.67	13.28	pale grey	strongly foliated		fs qz hb cl	strongly foliated, veined, silicified and bleached in immediate HW to vein; sample from 12.58-13.28 m.
13.28	19.20	white to pale grey	banded,		qz py sp cp gn	**QUARTZ SULPHIDE VEIN**: white to pale grey quartz vein with HW portion of vein (top 1.5 m is significantly more sx-rich than lower portion); joints coated with limonite; samples from 13.28-14.28, 14.28-14.78, 14.78-15.58, 15.58-16.78, 16.78-18.32, 18.32-19.22 m.
19.20	20.50	pale grey-green	foliated		qz se	**QUARTZ SERICITE ROCK**: intensely se altered and qz veined; forms immediate FW to vein; sample from 19.22-20.52 m.
20.50	36.58	pale grey-green	crystalline, foliated, porphyritic		py	**GRANODIORITE**: m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite and clay-altered w local zones of moderate to intense foliation and shearing; some qz sx veining
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	7.15		foliation	20		
	13.28		vein contact upper	75		
	13.72	14.28	banding	58		sx banding in qz-sx vein
	13.5		jointing	10		
	19.20		vein contact lower	60		
	27.80		foliation	55		

	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.13	10.20	cl	5		mafic minerals in diorite replaced to hi degree by chlorite
	10.20	12.20	bt	5		brown cast to zone suggests hornfels
	12.67	13.28	si	30		strong silicification and bleaching in immediate HW to vein
	19.20	20.50	se si	50		repalcement of original rock components with sericite and quartz (although qz may have been an original constituent of the protolith (granodiorite)
	20.50	36.58	se cl cy	20		
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	12.58	13.28	HW Stringers	disseminated	py (1-2)	HW qz py stringers in dk grey-blk foliated/sheared qz di w 1-2 % diss py
	13.28	14.28	vein	banded, fracture-controlled	py (3-4) cp (1-1.5) po (1-1.5) sp (0.5-1) mg (0.5) gn (tr) 5-6 combined)	massive white to pale grey qz w chlorite; local inclusions of se/graphitic wallrock; c gr aggregates of intergrown cp-py-po-sp-gn, banded to interconnected network of intergrown sx; 13.28-13.72 is principally py-cp (3-4%) with py locally rimming mg; from 13.72-14.28 is principally po-py-cp (6-8%) in well developed bands, but also aggregates of intergrown sx forming the interconnected network; tr of v f g silver metallic mineral;
	14.28	14.78	vein	fracture-controlled	py (3-4) sp (0.5-1) cp (1-1.5) gn (tr-0.5) 5-6 combined)	14.28-14.78 is 5-6% interconnected network of fractures w intergrown py-cp-sp-gn in grey qz w cl, se and locally ca; weak banding, sometimes following joint; dark cl makes for apparent higher sx content
	14.78	15.58	vein	banded, fracture-controlled	py (0.5-1) sp (1-1.5) cp (tr-0.5) gn (tr) 1-2 combined)	weakly to non-banded white qz with c gr aggregates of py-cp-sp+/-gn and also isolated disseminated f gr xtals of each locally; total 2-3% sx; sp is pale greenish-grey ('straw' coloured) and also brown
	15.58	16.78		banded, fracture-controlled	py (0.5-1) sp (0.5-1) cp (tr-0.5) gn (tr) 1-2 combined)	continuation of previous zone; straw and brn-blk coloured sp; tr of diss soft, dull grey metallic mineral; weaker sx content than in previous interval
	16.78	18.32		banded, fracture-controlled	py (0.5-1) sp (0.5-1) cp (tr-0.5) gn (tr) 1-2 combined)	continuation of previous zone;

	18.32	19.22			py (0.5-1) cp (tr-0.5) cv (tr) mo (tr)	interval starts w 12 cm inclusion of qz se wall rock; ends w banded vein where f gr sx consist of py cp cv mo (also possible tarnished silver mineral)-over last 25 cm before FW qz se rock
	19.22	20.52	FW Stringers	disseminated	py	qz se foliated rock w several 'bull' qz veins with small drusy cavities; tr diss py;

Company:	Golden Odyssey					Date(s) Drilled: Oct 20/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 25-26/09
Hole:	DH09-079	Site Z		Dip:	-68	Start of Hole: 3.05 m
Collar Location:		613717.8	5913931.4	Elevation:	1342.5	End of Hole: 28.65 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.13					**CASING**
2.13	11.60	dark grey	crystalline, foliated			**QUARTZ DIORITE**: overall moderately foliated dark grey salt-and-pepper (65% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers;
11.60	11.88	pale grey	strongly foliated		fs qz hb cl	strongly foliated, veined, silicified and bleached in immediate HW to vein; part of sample from 10.36-11.88 m.
11.88	17.51	white to pale grey	banded,		qz py sp cp gn mo	**QUARTZ SULPHIDE VEIN**: white to pale grey to locally dark grey (where sx content increases substantially) quartz vein; late local patches of ca infill vuggy qz cavities; abdt stress-fractures in qz material; upper selvage has tr f g py sp cp gn in white quartz; then into section rich in mg po py cp in grey quartz, followed by white quartz with 0.5-1.5% diss and fracture-controlled py sp cp gn and a dull-grey metallic mineral; joints coated with limonite; samples listed below with bit more detail.
17.51	28.65	pale grey-green to	crystalline to locally foliated		qz se cl bt py cp sp gn	**GRANODIORITE**: m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; brown cast to areas of section that are non to weakly foliated; stringers comprise 10-15% of core and carry c gr intergrown py cp sp gn; samples from 17.51-19.01, 19.01-20.51, 20.51-22.01, 22.01-23.51 and 23.51-24.81 m.
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	6.10		foliation	45		
	11.88		vein contact upper	80		
	17.51		vein contact lower	72		
	27.80		foliation	55		

	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.13	11.60	cl	5		mafic minerals in diorite replaced in part by chlorite
	11.60	11.88	si	15		strong silicification and bleaching in immediate HW to vein
	17.51	28.65	se si	30		variable degrees of sericite and clay alteration, although some some zones are weakly affected; others retain crystalline texture but carry secondary bt
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	10.36	11.88	HW Stringers	disseminated	py (1-2)	HW qz py stringers in dk grey-blk foliated/sheared qz di w 1-2 % diss py
	11.88	12.88	vein	banded, interconneted network, fracture-controlled	py sp cp gn (all tr)	white to pale grey quartz with tr sulphides
	12.88	13.88	vein	fracture-controlled	mg po py cp (5-6 combined)	in grey qz
	13.88	15.88	vein	banded, fracture-controlled	py sp cp gn (0.5-1.5 combined)	white quartz w 0.5-1.5% diss and fracture-controlled py sp cp gn and a dull-grey metallic mineral; joints coated with limonite
	15.88	17.51	vein	banded, fracture-controlled	py (tr) sp cp gn (tr)	continuation of previous zone; weaker sx n
	17.51	24.81	stringers & stockwork	disseminated	py sp cp gn (tr)	FW

Company:	Golden Odyssey					Date(s) Drilled: Oct. 20-21/09
Project:	Deer Horn			Azimuth:	vertical	Date(s) Logged: Oct. 26/09
Hole:	DH09-080			Dip:	-90	Start of Hole: 2.13 m
Collar Location:		613738	5913934	Elevation:	1338.8	End of Hole: 36.58 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.13					**CASING**
2.13	14.40	dark greenish grey	crystalline, foliated		fs qz hb cl	**QUARTZ DIORITE:** strongly foliated, greenish-grey to brown-grey and locally bleached, medium-grained quartz diorite; locally cut by cm-scale qz-py stringers;
14.40	16.76	white to pale grey	massive, banded		qz py cp sp mg gn mo	**QUARTZ SULPHIDE VEIN**: white to pale grey to locally dark grey (where sx content increases) quartz vein; HW contact is brecciated, but vein cuts foliated fabric of quartz diorite; with accompanying tr mo; FW contact is a stringer zone; mm-scale polymetallic bands of py cp sp +/- mg and dull grey mineral; local 'bull' qz sections; local drusy cavities; interconnected network of intergrown py-cp-po-mg-sp+/-gn in white to grey qz; fracture-controlled (healing fractures in the qz); local disseminated, monomineralic and multimineral aggregates in white qz also w cl;
16.76	36.58	pale grey-green	equigranular, crystalline to locally foliated		qz se cl py cp mo	**GRANODIORITE:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration) w tr diss py; variably sericite altered and locally intensely foliated to sheared peripheral to qz-sx stringers; qz stringers with tr amounts of py cp mo comprise 10-15% of core; samples from 16.80-17.80 and 17.80-18.80 m.
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	4.11		foliation	55	planar	
	14.40		vein contact upper	50	brecciated	
	15.27		banding	60	discontinuous	
	15.35		joint	50	planar	
	16.76		vein contact lower	55	planar	
	18.98		joint	65	planar	

	31.38		joint	65	planar	
	33.01		veinlet	62	planar	
	33.41		veinlet	26	planar	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	11.54	cl, ep	5		mafic minerals in qz di replaced in part by chlorite; green cast to diorite
	11.54	14.40	bt cl	15		brown cast locally to qz di suggesting bt hornfelsing
	16.76	36.58	se cy cl si	30		moderate to intense sericite and clay alteration w tr diss py;
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	11.90	13.40	HW Stringers	disseminated	py (1-2) cp (tr)	HW to vein; hornfelsed, dk grey-blk foliated/sheared qz di w 1-2 % diss py; cut by qz vein at 11.90 that runs at 5 to CA for 30 cm;
	13.40	14.40	HW Stringers	disseminated	py (1-2) cp (tr) sp (tr) po (tr) gn (tr)	HW to vein; hornfelsed, dk grey-blk foliated/sheared qz di w 1-2 % diss py; at 13.40 m, a qz-py-cp vein sub-parallel to CA is cut by one oriented at 45 to CA; stringers are mineralized with sparsely disseminated sx
	14.40	15.00	vein	banded, interconnected network, fracture-controlled	py (2-3) cp (0.5-1) po (tr-0.5) sp (0.5-1) 4-5 combined	massive white to pale grey qz w chlorite; mm-scale banded at top with py cp sp and dull grey mineral; 'bull' qz section then banded py-cp-sp-mg interval to end of sample that averages 6-8% sx; local drusy cavities
	15.00	15.40	vein	banded, interconneted network, fracture-controlled	py (3-4) cp (1-1.5) po (1-2) sp (1-2) mg (0.5-1) gn (tr) 6-8 combined	interconnected network of intergrown py-cp-po-mg-sp+/-gn in white to grey qz; fracture-controlled (healing fractures in the qz) and banding-follows jointing at 60 to CA; mm-scale banded py-cp-po-sp-mg averages 10-12% sx; local drusy cavities
	15.40	16.20	vein	disseminated	sp (0.5-1) cp (tr-0.5) py (tr-0.5) gn (tr) 1-2 combined)	disseminated, monomineralic and multimineral aggregates in white qz w cl; sp-cp-py+/-po-gn; also sx disseminations form vague bands at 58 to CA

	16.20	16.80	vein, stockwork	sheeted veins	sp (0.5-1) cp (tr-0.5) py (tr-0.5) gn (tr) mo (tr) 1-2 combined)	continuation of vein mineralization; includes 4 cm of veined, si-altered wall rock with tr mo at end of sample;
	16.80	17.80	stockwork	sheeted veins	py (tr-0.5) cp (tr) sp (tr) mo (tr) 0.5 combined)	FW; qz-sx stockwork/sheeted veins cutting foliated qz se cl altered rock; sx occur as tr diss in qz veins; mo is v f gr and commonly occurs as selvage mineralization; qz veins account for ~35% of sample interval
	17.80	18.80	stockwork	sheeted veins	py (tr-0.5) cp (tr) sp (tr) mo (tr) 0.5 combined)	continuation of FW mineralization; FW; qz-sx stockwork/sheeted veins cutting foliated qz se cl altered rock; sx occur as tr diss in qz veins; mo is v f gr and commonly occurs as selvage mineralization; qz veins account for ~15% of sample interval
	32.00	33.50	stringer	disseminated	py (tr-0.5) cp (tr) sp (tr) mg (tr-0.5) 0.5 combined	diss py in se and cl altered gd; cut by qz+/- sx veinlets 0.5 - 2 cm wide that account for 15% of sample interval; veins carry f - m gr mg sp cp; overall 0.5 % sx
	33.50	35.00	stringer	disseminated	py (tr-0.5) cp (tr) sp (tr) mg (tr-0.5) 0.5 combined	diss py in se and cl altered gd; cut by qz+/- sx veinlets 0.5 - 2 cm wide that account for 8% of sample interval; veins carry f - m gr mg sp cp; also tr of soft dull grey mineral diss in gd; overall 0.5 % sx

Company:	Golden Odyssey					Date(s) Drilled: Oct. 21/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 26-27/09
Hole:	DH09-081			Dip:	-60	Start of Hole: 4.27 m
Collar Location:		613738	5913934	Elevation:	1338.8	End of Hole: 29.87 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	4.13					**CASING**
4.27	9.00	dark grey	crystalline, foliated		fs qz hb cl py	**QUARTZ DIORITE**: non to locally strongly foliated to sheared dark greenish-grey salt-and-pepper (65% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers; development of foliation/shearing adjacent to veins; plag discoloured to pale green (sausseritized);
9.00	9.21	pale grey-orange	massive		qz py sp cp gn	**QUARTZ SULPHIDE VEIN**: weakly oxidized, pale grey to pale orange qz vein; polymetallic w 2-3 py, 1 sp, tr-0.5 cp, tr gn and a black sooty material (mn?) in fractures: 5% overall; 4 cm strongly foliated/sheared immediate FW to vein
9.21	12.09	dark grey	crystalline, foliated		fs qz hb cl py	**QUARTZ DIORITE**: non to locally strongly foliated to sheared dark greenish-grey salt-and-pepper (65% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers; development of foliation/shearing adjacent to veins; plag discoloured to pale green (sausseritized);
12.09	12.29	grey	sheared		py (1-2)	**SHEAR ZONE**: sheared qz di cut by qz veins w 1-2 f g py
12.29	16.53	grey-green	foliated			**QUARTZ DIORITE**: non to locally strongly foliated to sheared dark greenish-grey salt-and-pepper (65% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers; development of foliation/shearing adjacent to veins; plag discoloured to pale green (sausseritized); 14.54-14.67=shear w 30% mg
16.53	16.81	pale grey	strongly foliated		fs qz hb cl	**QUARTZ DIORITE**: strongly foliated, veined, silicified and bleached; immediate HW to vein; part of sample from 16.46-16.81 m.
16.81	17.90	white to pale grey	banded,		qz py cp mo	**QUARTZ SULPHIDE VEIN**: white 'bull' qz (w tr cl se) carrying tr diss and fracture-controlled cubic py, lesser mo & cp;
17.90	18.09	pale grey	sheared		py (1-2)	**SHEAR ZONE**: sheared, silcified and qz veined qz di w 1-2 f g py

18.09	29.87	pale grey-green to	crystalline, foliated, sheared		qz cl se cy kp py	**GRANODIORITE**: m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; minor shear zones locally - similar to the one described above
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	4.27	7.5	fracture		broken	moderate to strongly broken qz di;
	8.15		joint	45		
	9.00		vein contact upper	unknown	faulted	rubble
	9.21		vein contact lower	70	sharp	
	10.00	10.70	fault	unknown	broken	strongly broken, weakly altered qz di;
	12.09	12.29	shear	67	planar	
	14.54	14.67	shear	41		shear w 30% mg and cl
	16.81		vein contact upper	8		
	17.90		vein contact lower	45		
	18.65		joint	55	planar	in cy-se alt porphyritic zone (dyke?)
	18.75		foliation	55	planar	x-cutting, not parallel to jointing
	18.95		shear	31	planar	
	19.85		foliation	34	planar	
	22.60	23.40	fracture	5	rough	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	4.27	10.55	lm	2		Fe-oxide staining locally and tr lining some fractures
	4.27	16.81	cl, bt	5		mafic minerals in diorite replaced in part by chlorite; local bt 'hornfelsing'; sausseritization
	17.9	18.09	si, py	15, 2		silicified shear zone at base of vein with 2-3% py

	18.09	18.76	si, cy, se	10, 5, 5		moderate to strong clay alteration of granodiorite in FW to vein; disseminated py
	18.76	19.03				silicified shear zone at base of vein with 1-2% py
	19.03	28.7	cl cy se si	2, 2, 4, 3		variably cl cy se and si altered gd w diss cubic py; dense jointing; local zones of ksp alteration; alteration diminishes gradually down-hole
	28.70	29.87	cl se	2, 2		alteration is consistently weaker to EOH
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	9	9.27	vein		py (3-4) sp (1) cp (tr-0.5) gn (tr)	weakly oxidized, pale grey to pale orange qz vein; polymetallic w 3-4 c gr cubic py, 1 sp, tr-0.5 cp, tr gn and a black sooty material (mn?) in fractures: 5% overall; sample includes 5 cm strongly foliated/sheared immediate FW to vein
	16.46	16.81	sheared	disseminated	py (1-2)	immediate HW to vein; sheared with diss py
	16.81	17.90	vein	disseminated	py (tr) cp (tr) mo (tr) 0.5 combined	massive white qz vein w tr cl and se; tr of cp-py-mo; overall 0.5% sx
	17.90	18.90	veinlets	disseminated	py (1-2)	FW to vein; includes 2 cm qz-py veinlet in 9 cm sheared/silicified gd at top of interval; then into cy-se altered foliated, porphyritic gd with 1-2% diss py
	18.90	20.40	disseminated	veinlets	py (0.5-1)	disseminated f gr cubic py in se cl altered gd; local well-developed foliation/shearing;
	20.40	21.90	disseminated	veinlets	py (0.5-1)	continuation of previous style of mineralization: disseminated f gr cubic py in se cl altered gd; local spotty pale pink zones of kspar-qz alteration; local well-developed foliation/shearing;

Company:	Golden Odyssey					Date(s) Drilled: Oct. 21-22/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 26-27/09
Hole:	DH09-082			Dip:	-64	Start of Hole: 2.13 m
Collar Location:		613763	5913943	Elevation:	1333.4	End of Hole: 41.79 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.13					**CASING**
2.13	2.25	pale grey-orange	massive		qz py sp cp gn	**QUARTZ SULPHIDE VEIN:** collared in oxidized qz sx vein to depth of 2.25 m; weakly oxidized, pale grey to pale orange qz vein; polymetallic w 1-2 py, 1 sp, tr-0.5 cp, tr gn and a black sooty material (mn?) in fractures: 5% overall;
2.25	10.67	pale brown-grey	crystalline, foliated		fs qz hb cl py	**QUARTZ DIORITE:** strongly foliated pale brownish-grey salt-and-pepper (55% mafic minerals), medium-grained, quartz diorite; cut by cm-scale qz-py stringers; development of foliation throughout, shearing adjacent to veinlets with bleaching/silicification; tr-2% diss py
10.67	11.69	white to pale grey	massive, banded		qz	**QUARTZ SULPHIDE VEIN:** massive white qz; diss and network of intergrown f to m gr cp-py-sp with zone of c gr euhedral py-mg; local narrow zone of qz-se alterd wallrock inclusionsand 'bull' qz to 11.69 w tr diss py cp and sp; tr ma also and fe-ox staining on fractures and py coated with limonite
11.69	12.50	pale green-grey	strongly foliated		qz se	**QUARTZ SERICITE ROCK:** strongly foliated, veined, silicified and bleached; immediate FW to vein; part of sample from 16.46-16.81 m.
12.50	12.83	white to pale grey	massive, banded		qz py po mg cp	**QUARTZ SULPHIDE VEIN:** white qz with band of intergrown mg-py-po-cp at 25.25-12.27
12.83	12.90	pale green-grey	moderately foliated		qz se	**QUARTZ SERICITE ROCK:** not as strongly deformed or altered as above section
12.90	14.47	pale brown-grey	crystalline, foliated,		qz cl bt py	**QUARTZ DIORITE:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered, foliated/shear and locally bleached; brown cast suggest bt alteration; cut by narrow qz+/-sx stringers; py as dissmeinations and aggregates on fractures
14.47	14.64	white to pale grey	massive, banded		qz	**QUARTZ SULPHIDE VEIN:** white qz with limonite on fractures and 2-3% c g py; includes 3 cm sheared and silicified FW

14.64	17.95	pale brown-grey	crystalline, foliated,		qz cl bt py	**QUARTZ DIORITE:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered, foliated/shear and locally bleached; brown cast suggest bt alteration; cut by narrow qz+/-sx stringers; py as dissmeinations and aggregates on fractures
17.95	18.52	white, pale grey-brown	stockwork		qz	**QUARTZ STOCKWORK**: qz veins cutting foliated to sheared, hornfelsed and silicified qz di; lack of original crystalline/igneous fabric
18.52	30.65	pale maroon-brown	crystalline, foliated, sheared		qz cl hb bt py	**QUARTZ DIORITE:** typically weakly hornfelsed and magnetic; non-magnetic where hornfelsing is lacking; locally foliated - sheared and bleached peripheral to qz+/-sx veins and stringers; diss py
30.65	34.00	white to pale grey	massive, banded		qz	**QUARTZ SULPHIDE VEIN:** massive white to locally pale grey quartz with occasional cm-scale drusy cavities; 2-3% overall sx: sx consist bands and disseminated aggregates of py sp cp po with tr of gn; locally mg is intergrown with po and/or py-cp;
34.00	34.12	pale grey-green	sheared		qz se py	**QUARTZ SERICITE ROCK:** narrow band of sheared, intensely qz-se altered granodiorite; locally weakly magnetic
34.12	41.79	pale grey-green	crystalline, equigranular		qz cy se cl py	**GRANODIORITE:** moderately to strongly argillic & sericite altered, and qz veined to FW; diss py
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	2.2		banding	64	planar	
	4.22		foliation	40	planar	
	6.22		joint	60	smooth	joint orientation and also hairline veinlets/fracture fills of qz+/-sx and or ca
	7.75		foliation	44	planar	
	10.67		vein contact upper	25	rough	
	11.69		vein contact lower	45	rough	
	12.38		stringer in FW	28	planar	
	14.61		vein contact lower	52		banding and vein FW ctc

	17.95		vein contact upper	78	planar	qz vein stockwork/sheeted vein zone
	18.52		vein contact lower	72	irregular	
	19.11		shear	45	planar	in pale green, altered qz di
	22.65		vein contact upper	12	planar	
	23.08		vein contact lower	60	irregular	
	23.79		vein contact upper	18	planar	
	30.65		vein contact upper	63	planar	sub-parallel to foliation; both are cut by later qz-sx vein oriented 32 to CA
	31.00		banding	54		
	31.88		shear	55		shear in vein w slicks
	32.20		banding	62		mm-scale bands of py and straw-coloured sp in qz
	34.00		vein contact lower	71	smooth	
	33.15		joint	30	planar	
	36.30		joint	40	smooth	
	38.32		vein	30	planar	qz-sx veinlet
	38.33		vein	76	irregular	qz-sx veinlet
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.25	10.67	hornfels	bt (3)		pale maroon-brown cast to originally dark grey to black qz di is indicative of bt - hornfels
	11.69	12.50	hornfels	bt (3)		pale maroon-brown cast to originally dark grey to black qz di is indicative of bt - hornfels
	12.50	14.47	hornfels	bt (3)		pale maroon-brown cast to originally dark grey to black qz di is indicative of bt - hornfels

	14.64	22.65	qz bt se cl ep ca			pale maroon-brown cast to originally dark grey to black qz di is indicative of bt - hornfels; late ca on fractures; alteration results in mottled appearance and 'pseudo-porphyry' texture;
	23.08	26.30	qz bt se cl ep ca			zone of alternating bt hornfels and bleached foliated/sheared zones with accompanying si, se, cl alteration
	26.30	27.27	qz bt se cl ep ca			zone of weaker bt hornfelsing and shearing
	27.27	29.1	cl ca cy se py			increase se alteration and destruction of crystalline / igneous fabric in qz di as HW to Main Vein is approached
	29.1	30.65	qz se cl			HW alteration to Main Vein; most of crystalline fabric destroyed (some remanant texture) by shearing and strong si se +/- cl alteration
	34.00	41.79	argillic	cy se si cl ep ca py		granodiorite: moderate to strong clay alteration in immediate FW to vein; tr - 0.5% disseminated py
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	10.06	10.67	stringers	disseminated	py (tr-1)	qz stringers w diss py cutting weakly hornfelsed qz di
	10.67	11.69	vein	disseminated	py (2-3) cp (0.5-1) sp (0.5-1) mg (1-2) ma (tr)	massive white qz; from 10.67-11.17 have diss and network of intergrown f to m gr cp-py-sp with zone of c gr euhedral py-mg at 11 m; narrow zone of qz-se alterd wallrock inclusions then 'bull' qz to 11.69 with tr diss py cp and sp; tr ma also and fe-ox staining on fractures and py coated with limonite
	11.69	12.50	stringers	disseminated	py (tr) cp (tr) mo (tr) 0.5 combined	FW to vein; includes 2 cm qz-py veinlet in 9 cm sheared/silicified gd at top of interval; then into cy-se altered foliated, porphyritic gd with 1-2% diss py
	12.50	13.50	stringers	disseminated	py (tr) cp (tr) mo (tr) 0.5 combined	continues from previous interval
	14.47	14.64	vein	disseminated	py (2-3)	white qz with limonite on fractures and 2-3% c g py; includes 3 cm sheared and silicified FW
	17.95	18.52	stockwork	disseminated	py (tr-1) sp (tr) cp (tr)	tr to 1% sx as diss and fracture-controlled
	21.15	22.65	stockwork	disseminated	py (tr-0.5) sp (tr) cp (tr)	zone comprised of 7 qz+/-sx stringers that account for 15% of interval; carrying tr py cp sp; py also occurs as diss and on fractures in host rock
	22.65	23.08	vein	disseminated	mg po sp cp py	includes 23 cm wide qz-mg-po-cp-py-sp+/-gn vein at 12 to CA; accounts for most of sampled core
	23.08	24.08	stockwork	disseminated	mg po sp cp py	includes 6 cm wide qz-mg-po-cp-py-sp vein+/-gn at 18 to CA; accounts for most of sampled core

	24.08	25.58	stockwork	disseminated	py (tr-0.5) mo (tr) cp (tr) sp (tr)	tr py mo cp py sp; diss in veinlets and on vein selvages; veins cut foliation of qz-se altered qz di; py as diss in host rock also
	25.58	27.13	disseminated	stringers	py (tr-0.5)	mainly weakly hornfelsed to chloritically altered, crystalline to weakly foliated qz di; one 14 cm qz vein with c gr aggregate of py; diss py also in host rock
	27.13	28.65	disseminated	stringers	py (tr) mo (tr)	clay-altered qz di cut by narrow qz veinlets carrying tr to 1 % py and tr mo, mainly on selvages and rare hairline fractures; diss py also in host rock
	28.65	30.65	disseminated	stringers	py (tr)	HW to Main Vein: chlorite-altered qz di cut by narrow qz veinlets carrying tr to 1 % py; diss py also in host rock
	30.65	31.70	vein	banded, disseminated	py (1-1.5) sp (1-1.5) cp (tr-0.5) gn (tr) mg (tr) po (tr)	Main Vein: massive white to locally pale grey qz with tr of se rare late ca on micro-fracatures; 2-3% overall sx; mm-scale bands of f g aggregates of intergrown py (locally cubes up to 3 mm) and of sp; diss isolated grains of sp cp py; locally mg is intergrown with po and/or py-cp; also;
	31.70	32.88	vein	banded, disseminated	py (1-2) sp (1-2) cp (tr-0.5) gn (tr)	Main Vein continued: white to pale grey qz w mm-scale bands of f g aggregates of py (locally cubes up to 3 mm) and of honey-coloured sp; diss aggregates of intergrown sp-cp-py also; tr f g soft grey metallic mineral;
	32.88	34.00	vein	banded, disseminated	py (tr-0.5) sp (tr) cp (tr) mg (tr) mo (tr)	Main Vein continued: white qz w traces of diss isolated sx and aggregates of intergrown sp-cp-py also; tr of mg locally; tr mo immediately above FW ctc
	34.00	35.50	disseminated	stringers	py (0.5-1)	disseminated f g py
	35.50	37.00	disseminated	stringers	py (tr-0.5) sp (tr) cp (tr)	disseminated f g py; narrow stringers carrying 3-5% intergrown py-cp-sp
	37.00	38.50	disseminated	stringers	py (tr-0.5) sp (tr) cp (tr)	disseminated f g py; narrow stringers carrying 3-5% intergrown py-cp-sp

Company:	Golden Odyssey					Date(s) Drilled: Oct 22/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct 28/09
Hole:	DH09-83			Dip:	-45	Start of Hole: 3.05
Collar Location:		613763	5913943	Elevation:	1333.4	End of Hole: 46.33 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	5.18	Varicolored white & black; "salt & pepper"	Crystalline, wkly foliated		Qtz-Fx-Mf-Bi-Epi-Chl-Se	**QUARTZ DIORITE**: Hard, well-indurated; weakly foliated w/ penetrative fabric @ 040° TCA; also foliation parallel qtz stringers. Patchy epidote. Unit has a pale brown cast, discernible but patchy; rings when struck (hornfels). Minor Ep-Ch-Li coatings on open fracs; typically @ 050° TCA. Weak pale-yellow-green sericite alt.
5.18	5.78	Pale ylw-grn-black-white	Shear fabric		Qtz-Se-Chl±Py	**QUARTZ SERICITE ROCK**: Intense penetrative shear fabric parallel or sub_// to 020° - 030° TCA; weakly bleached. Slickensides on open fracs. Patchy Chl alt. White Qtz-Py stringer @ 5.32m. Qtz veining is post-shearing. 30 cm broken rubbly gravel from 5.32-5.62m
5.78	10.7	Varicolored white & black	Crystalline, wkly foliated		Qtz-Fx-Mf-Bi±Chl±Se	**QUARTZ DIORITE**: Slight increase downhole in mafic content; up to 15% of volume. Patchy pale green cast (Ch). Pale brown cast (hornfels) proximal to mm wide shear zones. Sericite alt increases proximal to HW and FW of mm-scale shears. Late (?) Qtz stringers occupy core of shears. Open, coated, fractures @ 4-5 per m from 6.6 to 12.8m @ 050-060° TCA. Ch alt. & bleaching increase where fracture density increases. Infrequent open hematite-limonite coated fracs. Patchy hornfels. 8.23-8.3m - rubbly Qtz-Chl-Se vein, some core loss. 10.3-11.0m - fractured zone; rubbly; open, rusty Fe oxide coatings; typically long open fracs @ 011° TCA; few Qtz stringers; wk argillic alt.; softer section. 10.03 - 5cm qtz veinlet w/ int Se/shearing @ HW & FW over 5cm either side
10.7	11.8	Varicolored white & black	Crystalline, wkly foliated		Qtz-Fx-Mf	**QUARTZ DIORITE**: Hard, well-indurated. Pale yellow-green chlorite - sericite alt. & bleaching slightly increasing.
11.8	12.6	Pale gry-grn-cream pale yellow	Shearing		Ch-Se-Si	**QUARTZ SERICITE ROCK**: Shear zone; int Ch-Se-Si alteration & shearing; xstalline texture nearly obliterated
12.6	14.5	Varicolored white & black; pale yellow-grn	Crystalline, wkly foliated		Qtz-Fx-Mf-Bi	**QUARTZ DIORITE**: Hard, well-indurated. Pale yellow-green, patchy chi - se alt. & bleaching slightly increasing downhole. Pale brown cast (bi alt.); rings when struck.
14.5	15.5	Pale ylw-grn	Shear fabric		Se-Chl-Epi	**QUARTZ SERICITE ROCK**: Intense bleaching & Se-Ch alt; local Epi alt. Structural deformation of igneous fabric. Few narrow mm-scale qtz stringers; penetrative shear fabric parallel or sub_// to TCA

15.5	17.27	Varicolored white & black	Crystalline, wkly foliated		Qtz-Fx-Mf-Bi-Chl-Se	**QUARTZ DIORITE**: Relatively fresh; 25-30% mafic & secondary bi content (rings; hornfels). Weakly foliated. Patchy Se alt; weakly chloritized (green cast). Patchy silicification. Minor diss. & clotty py. Se alt, bleaching & crystalline textural destruction increasing downhole HW to qtz vein
17.27	18.02	Pale ylw-grn	Shear fabric		Se-Ch	**QUARTZ SERICITE ROCK**: Sheared & veined with white - clear qtz stringers. 17.32m - 5 cm thick Qtz-Py stringer w/ int. proximal Se-Chl alt. & shearing at irregular diffuse contact - Py occupies drusy vugs in qtz.
					Se-Ch-Si	17.37-17.7m: intense se alt. & bleaching in sheared interval; weakly silicified
					Qtz-Sx-Se-Ch-Bi	17.7-18.02m: Qtz-Sx vein; upper contact distinct but wavy & irregular; marked by int se/shearing in HW; upper contact roughly 050° TCA. Shear fabric @ 30-40° TCA. Sx comprise Py-Cpy-Mag-Sp ± Gn. Sx tend to occur near or at upper contact. Py is brassy colored, forms in aggregates or masses; Cpy is bright yellow-green, brassy and can be clotty in drusy cavities. Sp is blk, brn, eroded & might be replaced by later Py. Gn (?) appears intergrown with Sp. Mag tends to occur as irregular masses. Sx content is < 5% overall. Qtz vn has sheared look; parallel fractures @ 025° TCA; also conchoidal frac pattern offset by later // fracs. Lower contact at 075° TCA & marked by Ch-Se shear/slickensides
18.02	18.55	Pale ylw-grn	shear fabric		Se-Ch-Si	**QUARTZ SERICITE ROCK**: int se-Ch alt & silica veining; clotty Py in Qtz stringers ± Cpy
18.55	19.11	White, black, grn	vein		Qtz-Sx-Se-Ch-Bi	**QUARTZ SULPHIDE VEIN**: Massive, bull, clear to white quartz vein w/ sheared, fractured appearance (shattered look). Conchoidal irregular frac pattern thru-out; offset & overprinted by roughly parallel close-spaced shears at 050° TCA. Rafts of stngly to int. altered wallrx within vein. Int sheared, bleached fragments. Upper vein contact distinct but irregular; roughly 060° TCA. Clotty Py - Cpy at selvages of rafts. Main Sx zone is 5cm thick in middle of vein & roughly oriented @020° TCA & appears to occupy shear. Sx comprise Py-Sp-Cpy; dull brass Py; black-brn, earthy Sp. Lower contact is broken & rubbly; might be 050° TCA; marked by vuggy, eroded wallrx impregnated by Py-Cpy.
19.11	21.2	Varicolored white & black; pale grn; pale brown cast	crystalline, wkly foliated		Qtz-Fx-Mf-Bi-Fe-Chl-Se	**QUARTZ DIORITE**: Crystalline, massive with narrow intervals of variably sheared; altered, and microveined Rx. Se & shearing proximal to cm-scale Qtz veinlets & stringers @ 030° TCA. Some open, long, fe oxide coated fracs @ 020° TCA. Bleby Py common at Qtz selvages. 20.7m - 3cm wide Qtz-Sx stinger w/ massive Py -Sp aggregates @040° TCA
21.20	25.00	Varicolored pale green & salt & pepper black & white; patchy pale brown cast	Weak foliation		Qtz-Fx-Mf-Bi-Chl-Se	**QUARTZ DIORITE**: Moderately intense hornfels. 3-4 qtz veinlets and stringers/m; veinlets typically marked at upper and lower contact by intense bleaching, shearing and pronounced sericite alt. Py & Cpy noted at veinlet selvages. Qtz stringers appear more randomly oriented; anywhere from 30-70° TCA

25.00	26.50	Pale grey-grn-yellow			Se-Ch-Si	**QUARTZ SERICITE ROCK**: Strongly sheared/sericite altered; upper contact marked by 6cm white quartz stringer @ 030° TCA; sharp planar contacts. <1% Cpy-Po-Sp as fine diss & small clots near vein selvage. 2cm wide qtz Sx stringer at base of section @045° TCA, parallel to shearing.
26.50	30.30	Salt & Pepper blk & white, pale grn cast	Weakly foliated		Qtz-Fx-Mf-Bi-Chl-Se	**QUARTZ DIORITE**: Relatively fresh, hard and well cored. 1-2 cross-cutting Qtz stringers and veinlets /meter @ 60-70° TCA. <1% fine diss & clotty Py ± Cpy at vein selvages. Minor Ch + Se alt. in gangue. Healed fractures @40° TCA, roughly parallel to foliation. Unit appears to have weak silicification & Py alt. Few narrow, strong sericite-chlorite/shear zones intermittent throughout; measure from 2-10 cm wide. Some occupied by qtz stringers @ 060° TCA. 28.7m - 4cm wide Qtz-Sx stringer w/ Py-Cpy-Sp. Rusty shearing at contacts @ 030° TCA. Lower unit has pseudo-porphyritic look; patchy silica alteration?
30.30	30.81	Off-white, pale grey			Clay-Se-Ch	**FAULT**: Strongly clay-altered, bleached, chlorite-sericite altered; probably qtz diorite protolith. Upper contact marked by clay-chlorite gouge and slickensides; mm wide @ 040° TCA. Broken rubbly unit. Long open fracture thru-out at 010° TCA. Several Qtz stringers. Lower contact marked by slickensides with white calcite coating @ 040° TCA
30.81	35.45	Salt & pepper blk & white, pale grn cast, pale brown cast	Weak Foliation		Qtz-Fx-Mf-Bi-Chl-Se	**QUARTZ DIORITE**: Coarse grained; hornfels alt. passing below 33.2m to more of apple-green chlorite alt. Open fracs @ 025° TCA. Few rusty chlorite coatings. Patchy strong sericite alt. <1% fine diss Py. 32.85 - mm-scale Qtz stringer with clotty Py - Cpy w/ sericite shearing at both contacts. Overall unit has 1-2 mm-scale Qtz stringers and veinlets per meter but are typically barren white Qtz w/ random or variable orientations. Blebby Py -Cpy at selvages of Qtz stringers at 34.5m and 35.2 m (both stringers @ 060° TCA). Unit is cross-cut by tiny, wispy, calcite microveinlets @ 040° TCA. Below about 37.83 calcite microveinlets become more dominant to about 4-7 /meter. Good buffering capacity in HW. 34.6m - patchy epidote alt. proximal & within fractured section, accompanied by Py-Cpy plus very f.g. dark blue shiny Sx (possibly Mo). 34.8m patchy k-spar alt. 35.0m - local diss Py-Cpy in quartz diorite mtx,up to 2% over 10cm.
35.45	39.23	Pale gry-grn	Weak foliation, local intense shear fabric		Se-Ch-Si	**QUARTZ SERICITE ROCK**: Increasing downhole from mod. to strongly sheared/sericite altered; bleaching and weak clay alteration increasing downhole. Textural crystalline deformation & destruction approaching immediate HW to Main Vein. Patchy epidote clots. Calcite microveinlets common. Dominant shearing @ 040° TCA. Strong local chlorite coatings on open fracs. Few clotty calcite-chlorite-Py stringers at 060° TCA. 38.95M - 8cm wide Qtz-Sx stringer interrupted by calcite microstringers. Sx consist of Py-Cpy. Intense shear fabric FW to stringer over 20cm.

39.23	40.54	White, grey, pale green	Qtz Vein		Qtz-Sx-Se-Ch-Bi	**QUARTZ SULPHIDE VEIN**: Lost core at FW contact. Vein is white, massive with local patchy chlorite. Upper contact marked by intense Ch-Se shearing @ 060° TCA & slicks. Healed gouge. Conchoidal fracture pattern thru-out vein. X-cut by shear parallel cracks @ 020° TCA. Rafts of intensely sheared/altered wallrx apparent in vein. <1% Sx in upper 60cm of vein. Unit is broken and there may have been some wash-out. Sx consist of Py-Cpy-Sp as fracture fillings & net-textured rough bands in vein. Calcite-healed microbreccias of Qtz-Ch in some vugs. Sx content increased to 1--15% over 10cm from 39.93m. Net-textured Py clots appear to be eroded with replacement honey Sp at cores. Minor Mag, Po & Cpy. 39.93m - broken rubbly Ch sheared & altered gravel. Core loss to bottom of unit. FW contact broken, probably marked by Ch shearing & intense bleaching & alteration.
40.54	46.83	Varicolored, pale green, white, grey, black	Massive, crystalline		Qtz-Fx-Mf-Bi-Ch-Se-Py	**GRANODIORITE**: Upper contact with overlying main vein is broken, irregular marked by intense Ch shearing w/ 1-2% Py-Cpy-Mag-Sp; shearing might be roughly oriented at 045° TCA. Strong Se & bleaching to EOH. Starting to freshen up below 44.5m. Unit is strongly fractured w/ random or variable orientations. Prominent open fracs @ 0-10° TCA. Healed shears @ 030° TCA & healed fractures @ 020° TCA. Few tiny Sx microveinlets; possibly Mo @ 030° TCA. Minor diss Py ± Cpy thru-out unit.
46.83						EOH
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	5.18	Open fracs	030°	Irregular, rough	Wk Ch-silica coatings
	4.75		Qtz veinlet	050°		Minor Py - wk sericite @ selvages
	5.36		Qtz veinlet			White Qtz veinlet w/ clotty Py - accompanied by intense Ch-Se shearing proximal to veinlet
	5.28	5.78	Shearing	020-030°	Penetrative	Local intense shear fabric, accompanied by sericite alt. & bleaching
	6.60	12.80	Open fracs	050°	Planar, rough & smooth	Wk Ch-Se-silica coatings; some fracs are rusty w/ Fe oxide coatings (irregular)
	8.23		Shearing			Broken, rubbly Qtz gravel - Shear?
	8.85	9.75	Shearing, open fracs, Qtz stringers			Shear Zone: broken, sheared, slickensided. Also rusty open fracs & random or variably oriented white Qtz stringers & microveinlets
	10.05		Qtz veinlet, shearing	050°	Minor Py	12cm wide intense Se alt. /shearing enveloping 1.5 cm wide white qtz stringer. Bleby Py
	10.35		Qtz veinlet, shearing	040°	Minor Py	Similar to above; Qtz stringer enveloped in narrow Se alt./shearing w/ bleby Py

	10.35	11.80	Fractures	040°	Open, rough, healed	3-4 open & healed fractures/meter; planar with irregular stepped surfaces. Few rusty fracs w/ Fe oxide coatings
	11.80	12.60	Shearing			Shear Zone: intense alteration & structural deformation (strong shear fabric); slickensides on open surfaces. Qtz stringers and microveinlets thru-out. Minor Py
	14.00		Qtz veinlet	060°		3cm Qtz-minor Sx stringer
	14.50	15.50	Shearing, fracs	030°	Penetrative	Strong shear fabric; also healed and open fractures
	15.50	17.27	Open fracs	040°, 050°	Rough	Cross-cutting fracture patterns, may be conjugate set
	17.32		Qtz-Sx veinlet			5cm veinlet
	17.37	17.70	Shearing, fracs	040°	Penetrative, coated fracs	Shear fabric & open coated planar fractures
	17.70	18.05	Qtz-Sx veinlet	050°, 075°	Planar	Internal shearing/fracturing @ 035° TCA; also parallel fractures @025° TCA
	18.55	19.11	Qtz-Sx veinlet	060°, 050°	Planar	Parallel shears @ 050° TCA
	19.11	21.20	Qtz-Sx stringers, open fracs	070°, 020°	Variable, rough	Cm-scale; Fe-Mn oxide coatings on open fracs
	21.20	25.00	Qtz stringers; shear fabric	030-050°	Variable; penetrative shearing	Intense bleaching shearing & Se alt. at contacts
	25.00		Qtz-Sx stringer	030°	Planar	6cm wide; sharp contacts; <1% Cpy-Po-Sp
	26.50		Qtz Stringer	045°		Shear-parallel; 2cm wide
	26.50	30.30	Qtz stringers/veinlets, healed fracs, shearing	060-070°, 040°, 060°	Planar, rough, planar	Qtz stringers/veinlets are variably oriented and X-cutting each other; shear zones are narrow, intermittent
	28.70		Qtz-Sx stringer		Planar	4cm wide Py-Cpy-Sp w/ rusty open fracs
	30.30	30.81	Fault	040°	Broken	Clay-alt., bleached; gouge at upper contacts; slicks noted
			Open fracs	010°	Open, rough	
	30.81	35.45	Open fracs	025°	Open, rough	Ch coatings
	32.85		Qtz stringer	055°	Planar	
	34.50		Qtz stringer	060°	Planar	
			Calcite veinlets/microfractures	040°	Healed	Tiny, wispy Cc-Qtz veinlets/healed cracks
	35.45	39.23	Shearing	040°	Penetrative	Shear fabric & open coated planar fractures

			Open fracs	060°	Rough	Ch coatings
	38.95		Qtz-Sx stringer	050°	Irregular	Py-Cpy; X-cut by Cc microveinlets
	39.23	40.54	Qtz-Sx veinlet	060°	Broken	Main Vein; some lost core, broken, rubbly sections
			Cracks	020°		Shattered appearance
	40.54	46.33	Shearing	030°	Penetrative	Shear fabric, Ch alt.
			Healed Fracs	020°	Rough	
			Open Fracs	010°	Rough	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	8.23	Se-Ch-Bi		Patchy	Patchy Se-Ch; intervals of hornfels
	8.23	10.70	Bi ± Si, Se-Ch		Increasing	Hornfels from weak to locally strong, increasing downhole, strong local Se w/ shears
	10.70	14.50	Ch-Se-Bi±Si		Variable	Weak to local moderate Ch-Se, narrow strong Se and Si alteration, patchy and irregular
	14.50	15.50	Se-Bh-Ch±Ep±Bi		Variable	Intense bleaching, irregular strong Ch-Se±Ep alt. Patchy Bi alt. Silica veining. Rusty Fe-oxide fracs.
	15.50	17.27	Bi-Se-Ch±Si±Py		Patchy	Hornfels overprinting patchy wk Se-Ch, patchy Si & Py
	17.27	18.05	Se-Bi-Ch±Py		Variable	Wk-mod Se-Ch, patchy Bi; Qtz veinlets in alt. shear zones
	18.05	19.11	Si-Se-Py		Localized	Local Qtz veining enveloped in intense Se shears
	19.11	21.20	Ch-Bi-Se±Si±Py		Variable	Patchy Ch-Bi-Se; also Fe-Mn oxide coatings
	21.20	25.00	Si-Bi-Se			Local Qtz veinlets; bleaching, shearing & Se alt. at veinlet contacts
	25.00	26.50	Se-Si-Py		Variable	
	26.50	30.30	Bi-Si-Py-Ch-Se		Variable	Narrow intermittent Se-Ch shear zones w/ Qtz stringers/veinlets; patchy secondary Bi alt.
	30.30	30.81	Cy-Ch-Ca		Structural	Fault gouge-slicks-calcite coatings on fracs
	30.81	35.45	Bi-Ch-Se-Py-Si-Ep-Cc		Patchy	Fine calcite cracks & microstringers; patchy localized epidote blooms and rosettes
	35.45	39.23	Se-Bh-Ch±Ep±Cc			
	39.23	40.54	Ch-Se-Cc			Main Vein
	40.54	46.83	Ch-Se-Bi			Granodiorite
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	

	3.05	15.45	Py			Bleby Py local to Qtz stringers & microveinlets; minor fine diss Py and occasional bleby or clotty Py in wallrock
	17.3	17.67	Py		<5	Sheared & veined w/ Qtz ± Py stringers & veinlets
	17.67	18.02	Py-Cpy-Sp-Mag±Gn		<5	Qtz-Sx stringer within Se shears
	18.02	18.55	Py ± Cpy-Mag-Sp		<2	Clotty Py ± Cpy-Mag-Sp w/ intense Se shearing & Qtz stringers
	18.55	19.11	Py-Sp-Cpy±Gn		<5	Qtz-Sx vein
	19.11	19.64	Py		<2	Blebby Py @ Qtz-stringer selvages
	19.64	20.69	Py ± Cpy		<2	Qtz-Sx stringers & veinlets in sheared/altered intervals
	20.69	21.85	Py ± Cpy-Mag±Gn		<2	Qtz-Sx stringers & veinlets, same as above
	37.35	38.41	Py ± Cpy		<2	Qtz-Sx stringers & veinlets
	38.41	39.23	Py ± Cpy		<2	Intense Se-Ch shearing w/ Qtz-Sx stringers & veinlets
	39.23	40.54	Py-Cpy-Sp-Mag ± Po		<5; local 10-15% over 10 cm from 39.93m	Main Vein: broken rubbly Qtz, some honey brown Sp, minor Mag ± Po
	40.54	41.55	Py-Cpy±Mo		<1	Bleaching, shearing & Py-Cpy stringers at FW contact w/ main vein. Minor Mo in tiny fractures/microveinlets. <1% diss Py-Cpy in granodiorite mtx
	41.55	42.55	Py-Cpy±Mo		<1	Alt/shearing decreasing downhole, rock is freshening up. <1% diss Py-Cpy in granodiorite mtx
	42.55	46.33	Py-Cpy±Mo		<1	Lessening from above; <1% diss Py-Cpy in granodiorite mtx

Company:	Golden Odyssey					Date(s) Drilled: Oct 22-23/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct 28/09
Hole:	DH09-084			Dip:	-90	Start of Hole: 3.05 m
	Collar Location:	613752	5913921	Elevation:	1331.8	End of Hole: 32.92 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05	Variable	Broken			**CASING/OB:** broken, rubbly, gravel - 15% Qtz frags
3.05	7	Pale grn, blk & wht	Broken		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE:** Mod - stng Ch - Se alteration. Shear fabric. Fractured, broken w/rubbly sections; some lost core. Few centimetric Qtz strngers. Patchy hematite & limonite coatings on open fracs; variable orientation. 5.08 - 5cm rusty Qtz stringer; sheared @ 050°; clotty Py - Cpy. 6.70m - 4cm white Qtz stringer w/clotty Py - sulphide filled crack in Qtz @ 050° TCA.
7	10.77	Blk & wht	Wk foliation		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE:** Relatively fresh, intact, hard, crystalline. Local penetrative shear fabric @ 040° TCA - usually marked by intense Se-Ch alt. Minor rusty weathering at 7.62m. Open broken fractures with Ch at 035°TCA. Minor diss Py thru-out matrix. Several mm-scale Qtz stringers @ 040° studded w/ subhedral Py. Patchy brown cast - Bi ± Si alt.
10.77	16.1	Gry, blk & wht	Wk foliation, local shear fabric		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE**: Sharp increase in Qtz veining & local flooding. Overall unit is less crystalline; more local Se-CH shear zones, often enveloping Qtz stringers.
16.1	18.19	Blk & wht, local gry - grn	Wk foliation, local shear fabric		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE:** Crystalline**.** Minor Qtz veining. Local diss to clotty Py in matrix. Brown cast. Some mafics have Se - alt rims. Unit is coarse grained. Calcite coating on open fracs. Few rusty Fe-oxide coatings on open fracs @ 030° TCA
18.19	19.1	Grn - gry	Shear fabric		Qz-Se-Ch-Py	**QUARTZ SERICITE ROCK:** strong to locally intense Se-Ch shear fabric. Crystalline texture obliterated in places. Shear fabric @ 060° TCA. Few mm sized Qtz +/- sulphide veinlets/ stringers.
19.1	20.1	Grn - blk	Crystalline, wk foliation		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE**: More crystalline than above. Weak foliation. Open fracs @ 050° TCA. Green Ch cast to unit.
20.1	21.98	Grn - gry - white	Shear fabric		Qz-Se-Ch-Py	**QUARTZ SERICITE ROCK**: strong to intense sericite - chlorite shearing & penetrative fabric @ 060° TCA. Strong silica flooding & veining - 40% of volume is Qtz. Locally Qtz is impregnated with coarse sulphides.

21.98	23.83	White - local pale gry - blk	Vein		Qz-Ch-Se-Bi-Sx	**QUARTZ SULPHIDE VEIN:** White, bull qtz-sulphide vein. Very diffuse, irregular contact at HW - in & out of vein - upper contact might be shear @ 045° TCA. Intense Qtz-Se±Chl±Py alt at upper contact. Tiny specs shiny grey sulphide - Gn? (shiny luster - sectile - small aggregates). Minor Cpy near upper contact. Rafts of chlorite-Se altered wallrock common as "zenoliths" in vein. Open fractures @ 020° TCA. Qtz has very shattered appearance - sulphides appear to infill fractures in vein - some cracks filled with Sp. Cpy occurs as aggregates within Py masses. 22.22 - 22.45m - mainly intensely sheared Ch-Se wallrock. Fabric @ 055° TCA - Py ± Cpy infill shear planes with & without Qtz. Some clotty Py - Cpy. Tiny specs of red mineral - bright red. 22.45 - 22.91m - mixed sheared CH-Se alt wallrock & Qtz. Fine diss & locally clotty Py±Cpy rims shear planes - occupies cracks & vugs in Qtz as blebs & agglomerates. Shearing @ 050° TCA. Sulphide content overall is < 2%. 5-8% sulphides over 6cm at 22.82m - coarse, clotty Py - network textured slips & masses of sulphide. Mainly Py with Cpy. Some Py clots are eroded and occupied with honey Sp masses & rimmed with Gn. Black mm-scale Mag slips & stringers, typically at selvage of wallrock rafts. 23.18 - 23.25m - 10-15% diss, bleby & clotty sulphides - concentrated inter-vein Py-Cpy-Sp-Mag±Gn. Strong shear control @ 060° TCA. Shear slips occupied by Sx masses. Cpy as core to Py & stand-alone blebs. Mag looks like replacement of Py masses. 23.85 - 23.73m - mainly white Qtz with strong fracture pattern @ 020° TCA - generally barren with local Py-Cpy-Mag. Strong Chl-Se shearing@ 060° TCA. 23.73-23.83m - 2- 5% Sx near lower vein contact. Py-Sp-Mag±Cpy - crack filled & net textured - cracks aligned @ 070° TCA. Lower vein contact with FW broken & irregular - might be marked by intense Ch-Se shearing/alt. Sx at contact on shear/ frac planes@ 070° TCA offset by fault slips at 020° TCA slickensides at lower FW contact - calcite healed cracks more common toward FW.
23.83	32.92	Gry - blk - white	C.g. crystalline, wk foliation (localized)		Qtz-Fx-Mf-Ch-Se-Bi±Py	**GRANODIORITE**: Coarse grained, equigranular to local porphyritic. Narrow 10 - 25cm intervals have weak foliation/shear pattern @ 030° TCA. Unit is hard, dense, well-cored. Upper contact at FW to vein is bleached silica-chlorite-Se alt. Minor diss & clotty Py. Calcite healed cracks @ 015° TCA. Clotty epidote rosettes. Pale pink cast to unit - might have weak K-spar alt. 26.24 - 26.45m - texture nearly obliterated; might be later dyke - pale pink cast. Strong chlorite slips within. 27.70 - 28.10m - simlilar to above w/ common open fracs @ 030° TCA. Unit has <1% overall fresh Py - diss & clotty. 30.48 - 30.78m - broken, rubbly section. Below 31.0 unit is relatively more Se - Ch sheared & altered. Narrow shear-controlled clay - alt zones; millimetric; abundant. Chlorite coating on open fractures.
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	6.93	Fault?	Random, 040°		Broken, rubbly, drill-ground gravel. Shears in Qtz veining @ 040° TCA - 10cm Qtz - Sx vein at 5.28m - 5cm Qtz-Sx vein at 6.63m @ 040° TCA.

	6.93	10.67	Fractures	030°	Stepped	Ch coated open fracs - 1-2/m - infrequent Cc coating
	10.67	15.60	Veining, fractures	Variable 040°	Shattered, Ch coated	11.52 20cm Qtz vein @ 005° TCA 12.00-7cm Qtz vein @ 040° TCA 13.00-13.42 - irregular Qtz veining/ stock work 13.42-15.6 - 2.3 Qtz stringers±Sx/m
	15.50		Fractures	015°	Ch-Cu	Coating
	16.10		Shearing	050°	Planar	Se-Ch-Ep-intense but localized
	17.00		Open fracs	030°	Rough	Rusty Fe oxide coating
	17.49		Veinlet	015°	Planar	Qtz-Sx veinlet
	18.29		Shearing	050°	Slicks	Intense Ch-Se shearing, localized. HW to small Qtz-Sx veinlet
	19.10		Shearing	050°	Slicks	Intense, localized Ch-Se shearing
	20.10	20.63	Qtz-Sx vn	~030°	Shattered, Ch coated	Sharp but irregular contact w/sheared wallrock.
	20.63	20.73	Qtz-Sx vn	~040°	Shattered, Ch coated	7cm Qtz-Sx stringer
	20.73	21.98	Shearing, Qtz stringers	~060°	Fabric, random	Prominent, penetrative shear fabric. 6-7 millimetric Qtz stngers/m
	21.98	23.73	Qtz-Sx vn			Main vein - See lithology description.
	23.73	27.70	Fractures, fracs shearing	060° 10-20° 035°	Open-rough, healed, local	Ch coated. 3-5/m throughout. Calcite cracks & healed micro-fracs. Intense Ch-Se alteration at FW contact to main vein. Similar to above. Overall density of fracs & local shearing increases downhole. Might be approaching fault downhole. Few mm-sized Py stringers.
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	7.00	Ch-Se, He			Local stng Ch-Se alt; rusty, rubbly sections, patchy He
	7.00	10.77	Bi±Ch-Se			patchy Bi; local Ch-Se shearing; rusty Fe oxides
	10.77	16.10	Si; Ch-Se			Silica flooding/veining - local Ch-Se shears
	16.10	18.19	Py,Bi,Se, Cc, Fe			Wk Py alt; - patchy hornfels - local Se & Cc & Fe
	18.19	19.10	Se-Ch, Si			Se-Ch shearing, Qtz veining
	19.1	20.1	Ch-Se, He			Pale green cast
	20.1	21.98	Ch-Se-Si			Penetrative shear fabric; also Si flooding/veining
	21.98	23.83	Ch±Se			Main vein

	23.83	32.92	Si-Ch-Se Ca, Py Ep, Cy			Localized at shear contacts - minor local clay alteration. Cc microveinlets/ healed cracks; diss weak Py, clotty epidote.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	5.18	6.9				Sheared, broken section with narrow Qtz-Sx stringers
	11.52	13.02				Qtz veined with local stockworking - clotty Py±Cpy local
	13.02	14.52				Same as above - hornfels, Spotty Py
	19.1	20.1				HW to Qtz-sulphide vein. Clotty Py
	20.1	20.73				Qtz-Sx vein - clotty Py-Cpy-Mag cores rimmed by Py
	20.73	21.98				Sericite - chlorite sheared & veined. HW wallrock diss & clotty Py
	21.98	22.98				Main vein - Qtz-Sx vein - Py-Cpy-Mag-Sp±trace Gn
	22.98	23.27				Main vein - Qtz-Sx vein - more sheared - Chl-Se wallrock.
	23.27	23.73				Main vein - Bull white Qtz - shattered
	23.73	25.38				Fw Granodiorite - diss Py±Cpy. Py±Cpy seem to be replacements of eroded Mag

Company:	Golden Odyssey					Date(s) Drilled: Oct 23-24/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct 29-30/09
Hole:	DH09-085			Dip:	-60	Start of Hole: 3.05 m
	Collar Location:	613752	5913921	Elevation:	1331.8	End of Hole: 36.27 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05	Blk - wht, salt and pepper	Crystalline		Qz-Fx-Mf-Bi-Ch-Se	**CASING/OB**: Rusty Quartz Diorite boulders
3.05	4.7	Blk - wht, salt and pepper	Crystalline		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE**: Broken, fractured, rubbly gravel - some drill ground pieces. Pale green cast. Coarse grained. Local rusy Fe oxide frac coatings.
4.7	5.79	Blk - wht, salt and pepper	Wk foliation		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ DIORITE**: C.g.; crystalline, wk foliation @ 050° TCA
5.79	8.34	Blk - wht, salt and pepper	Wk foliation; shearing		Qz-Fx-Mf-Bi-Ch-Se±Py	**QUARTZ DIORITE**: Possible fault or strongly fractured zone - rubbly, broken core - some lost core. Common shear planes @ 030° TCA. Few cm-scale Qtz - Py veins orthogonal to shearing @ 050° TCA. Overall zone is more strongly Ch - Se altered w/ rusty Fe overprint. Patchy - Stng Ch - Mn - Fe coating + cavity linings at 7.93 m. @ 060° TCA; frac fillings + coatings.
8.34	20.12	Blk - wht, salt and pepper	Wk foliation @ 030° TCA		Qz-Fx-Mf-Bi-Ch-Se±Ep±Py	**QUARTZ DIORITE**: Coarse grained, locall (almost) porphyritic look. Relatively fresh, well - cored, hard. Weak, Ch - Se + Py ± Si Alt. Patchy Epidote. Pale green cast. Epidote seems preferentially proximal to Qtz Stringers. Se Alters Mafics - Ch alters Fx.
						17.2 - 17.7 - Pale brown cast - rings when struck (hornfels). Local zone (cm scale) has more of a flooded Si Look (secondary ?). Calcite veinlets noten below 18.m - 1-2/m. Cm-scale Qtz - Py stringers more common below 18m - 3-4/m. Patchy epidote adjacent to Qtz stringers.
20.12	20.69	Pale gry-blk-wht-grn	Sheared		Qz-Fx-Mf-Bi-Ch-Se	**QUARTZ SERICITE ROCK**: Strong, penetrative shear fabric; strong Se-Si alt. Shearing @ 030° TCA.
20.69	21.76	Blk-wht, pale grey	Crystalline		Qz-Fx-Mf-Bi-Ch-Se±Kspar	**QUARTZ DIORITE**: Coarse grained, psuedo-porphyritic brown Bi cast. Ch alt. Very weak patchy pink cast; K - Spar?.

22.21	25.49	Wht-Grn-Gry	Vein		Qtz-Sx-Ch-Se-Bi	**QUARTZ SULPHIDE VEIN**: Massive Qtz - Sx vein w/ large rafts of chlorite - altered, sheared, wallrock. Upper contact w/ Hw marked by sulphide - filled shears @ 050° TCA. Sharp, distinct contact but irregular surface. Sx up to 10% of volume from 22.21 - 22.52; consists of Py-Mag-Cpy-Sp . Cubic Py looks secondary + post mineral to aggregate, bleby Py. Mag clotty + tends to occur alone or rarely as infill to eroded Py. Elsewhere Py ± honey Sp looks to replace Mag (later). 22.82 - 23.02m - diss + wispy Sx strung out along shear slips in vein; 3-5% of volume @ 060° TCA; Py - Mag ± Cpy ± Sp. 23.02 - 23.29m - white bull Qtz; few mm scale Sx stringers. 23.29 - 23.69m - Raft of wall rock; extreme Ch - Se shear fabric; intense Si flooding; fine diss Py <1%. 23.69 - 24.22m - white bull Qtz w/ cm-scale chlorite - sericite - silica alt rafts + laminations at 050° TCA shear fabric. Vein has shattered look. Clotty Py - <1% overall; locally Py content increases at selvage of chlorite rafts (shear planes). 24.22 - 24.77m - intense Ch-Se-Si sheared raft or vein has bifurcated around alt/ sheared wallrock. Late Calcite veinlets mark upper contact. Sulphide content <1% in this section; Py ± Cpy. 24.77-25.49m - white bull Qtz; upper contact is sheared + studded w/ fine diss + clotty Py @ 060° TCA. Missing net textured Sx from previous hole. Lower vein contact at 25.29-25.49m marked by 20% Sx by volume; Py - Mag ± Cpy ± honey Sp. Lower contact at 25.49 is sharp, distinct, sheared w/ slickensides + shears at 040° TCA.
25.49	36.27	Pale gry-blk	Crystalline		Qtz - Fx - Mf	**GRANODIORITE:** Coarse grained, massive, no discernible foliation. Pale grn cast w/ local patchy pale pink cast (K-Spar?). Upper contact proximal to overlying vein. Bleached w/ shearing evident down to 25.89m. Unit overall is massive, hard, well - cored w/ occassional cm-scale Qtz ± Py stringers; 1-2 /m. Small, randomly oriented calcite healed / filled cracks; 1-2/m. Epidote clots w/ Py cores. <1% diss + clotty Py overall. Pale pink, bleached intervals from 28.75 -29.26m and 30.95-31.75m 35.20 - 36.07 - shearing + Py content increasing. Crystalline texture less obvious; textural destruction. Py- Si- Ch ± Se alteration increasing. Last 20 cm - Ch - clay shears @ 020° TCA; possibly approaching fault. 36.27 EOH
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	4.2	Rubble	010°	Broken	Broken, rubbly gravel - Few open fracs @ 010° w/ Fe
	4.20	5.79	Fracs	030°	Rough	Fe oxide coating on open fracs - @ 030° TCA
	5.79	7.30	Fault?	?	Shearing	Possible Ft or fracture zone - Qtz stringers @ 050° TCA
			Qtz Vn	050°	Planar	Orthogonal to planar Fe coated open fracs @ 030° TCA
			Shearing	030°	Planar	Stng Ch - Mn + Fe coating on open fracs + slicks
	7.30	8.10	Fracs	030°	Rough	Open fracs @ 030° - Ch coating
	8.10	8.24	Rubble		Broken	Drill ground gravel - Possible fault / frac zone

	8.24	20.12	VN	040°	Planar	Occasional Qtz stringer - cm scale
			Shears	040°	Planar	Occasional Ch healed frac / shear
			Fracs	025°	Rough	Occasional Fe-oxide coated open frac
	20.12	20.69	Shearing	030°/040°	Planar	Ch - Se shearing at 030 - 040° TCA - penetrative
	20.69	21.76	Vn-Qtz	050°/020°	Irregular	020° TCA vein stringer cross - cuts 050° vein stringer
			Vn-CC	005°/080°	Cracks	Tiny calcite cracks - 005° TCA cross - cuts 080° TCA
	21.76	22.21	Shearing	060°	Planar	Bleaching + shearing @ HW.
	22.21	25.49	Shearing	035°		Main vein - see notes - lithology
			Vn	035°		
	25.49	29.26	Shears	035°	Planar	Chlorite - Se
			Fracs	050°	Rough	Open Ch - coated fracs
			Fracs	005°/030°	Cracks	Hairline calcite fracs - variable orientation
	29.26	32.67	Shears	050°	Planar	Parallel shears/ open fracs - some slicks - Ch coatings
	32.67	36.27	Shears	070°/050°	Planar	Increase in clay / ch shears down hole to EOH.
			Fracs	050°	Rough	Ch coatings - some calcite
			Fracs	015°	Cracks	Tiny calcite cracks - random orientation
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	4.70	Ch-Se, Fe		Patchy	Green cast - Ch-Se, local Fe oxide
	4.70	8.34	Ch-Se, Fe		Mod-Strong	Ch-Se±Si increasing downhole, Mn-Fe coatings
	8.34	20.12	Ch-Se, Ep ± Bi		Patchy	Wk Ch-Se±Ep - Some patchy Bi sequences
	20.12	20.69	Se-Si		Stng	
	20.69	21.76	Bi-Ch-Kspar(?)		Wk	Brown cast - Patchy pink cast (Kspar?)
	21.76	22.21	Bh-Ch-Se-Py		Stng	Bleaches + sheared - strong to intense alteration.
	22.21	25.49	Qtz, Ch-Se (local)		Vein	Main Vein - intense local Ch-Se
	25.49	35.20	Ch, K-Spar			Pervasive wk - mod Ch. Local pathy pink cast (K-spar)
			Calcite			Weak calcite, tiny cracks

			Epidote			Local Epidote
	35.20	36.07	Py-Si-Ch-Se			Alteration / shearing increasing downhole
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	20.69	21.76	Py		</%	Hw Qtz diorite - Diss Py
	21.76	22.21	Py ± Cpy		</%	Hw - Sheared, bleached - Py ± Cpy - clotty + diss
	22.21	23.29	Py-Mg-Cp-Sp		Local 5%	Main vein - Bull Qtz w/ clotty + diss / shear Py - Mag ± Cpy ± Sp
	23.29	23.69	Py		</%	Main vein - sheared / alt raft wallrock - fine diss Py
	23.69	24.22	Py ± Cpy		</%	Main vein - white bull Qtz - clotty Py
	24.22	24.77	Py		</%	Main Vein - Mostly sheared / alt wallrock Py ± Cpy
	24.77	25.49	Py-Mg ± Cpy ± Sp		Local 20%	Main vein - white bull Qtz - Py - clotty + diss - local Py - Mag ± Cpy ± honey Sp at lower contact
	25.49	26.51	Py		</%	Fw - Locally sheared / alt granodiorite - diss Py - local clots

Company:	Golden Odyssey					Date(s) Drilled: Oct 24/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct 30/09
Hole:	DH09-086			Dip:	-43	Start of Hole: 4.57 m
Collar Location:		613752	5913921	Elevation:	1331.8	End of Hole: 32.31 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.00	4.57	Varicoloured				**CASING/OB**: Drill ground rubble with few Qtz fragments.
4.57	21.75	Blk-wht, salt & pepper, patchy grn & grn/ylw cast. Local pale green	Weak foliation	Rel fresh	Qtz-Fx-Mf-Bi-Ch_Se	**QUARTZ DIORITE**: Med to dominantly coarse grained; weakly foliated. Massive crystalline. Hard. Well cored except for narrow broken intervals. Weak Ch and Ch-Se alteration. Minor <1% fine diss & local clotty Py in matrix. Rare Qtz or Qtz-Sx stringers.
						4.57 - 6.50 Broken rubbly section. Some drill ground core. Few long open fracs at 010° TCA coated with Fe oxides. Secondary frac set @ 060° TCA also Fe oxide coated.
						7.80 - 8.05 Broken rubbly, fractured interval. Slight increase in Se alteration below 8.00 m. Epidote becoming more evident. Rusty open Fe oxide coated fracs at 9.10m & below. 1-2/m @ 050° TCA.
						Pistachio-green epidote more common on open fractures below 11.0m. Mm-scale. Epidote-Sericite alteration bands enveloping mm-scale Qtz stringers at 10.40m @ 060° TCA.
						Parallel open fracs at 11.28m @ 020° TCA. Li+Mn oxide coating. Few Mag/Chlorite healed fractures/microveinlets noted below 12.00 m. Random orientation but some at 040° TCA.
						15.3m; narrow interval of strong Bi ± tourmaline(?)-Ch-Se alteration. Fine, black, acicular mineral.
						Wispy calcite cracks noted throughout section <1/m.
						Zones of patchy Bi alteration overprint noted below 19.00m.(hornfels). Foliation intensity also increasing.
21.75	23.10	Pale gry-grn	Well foliated		Qtz-Fx-Bi-Se-Ch-Si	**QUARTZ DIORITE:** Passing downhole tp fine grained bleached Qtz sericite Rx with extreme shear fabric at immediate HW to vein. Fabric averages about 040° TCA. Few mm-scale Qtz stringers at 050° TCA approaching main vein contact. Alteration includes Se-Ch-Si±Bi (secondary) & diss Py immediate to contact.
23.10	28.04	Wht-local pale gry-grn	Vein		Qtz-Sx-Ch-Se-Bi	**QUARTZ SULPHIDE VEIN:** Massive, white bull Qtz vein with altered rafts of Qtz sericite (Qtz diorite?) near upper contact & more commonly granodiorite rafts near lower contact. Upper contact sheared, irregular orientation, distinct.
						23.10 - 23.90 White mostly broken Qtz vein. Has "shattered" look. Upper 6cm at HW contact has banded sulphides. Band roughly oriented @ 050° TCA & appears to mimic shear fabric in unit above.

						Sx include: Brassy, subhedral Py aggregates; dendritic pattern. Cpy intergrown with Py. Clotty magnetite which appears eroded & in places replaced by Py±Cpy, pale honey brown Sp also seems to replace Mag. Fine wispy pale grey metallic unidentified sulphide. Mostly broken barren Qtz below band down to 23.90m. Few clots and slips of Py. Sooty black-grey Sx+Py on some open fractures as coatings. Few clots of Sp-Gn-Cpy.
						23.90 - 24.25 Mainly rafts of extreme Se-Si-Ch altered Qtz-sericite Rx. Shear fabric variable. Roughly 050° TCA. Fine diss Py & Cpy as inclusions in shear fabric. Veined with mm-scale Qtz. Large 5cm long "zenolith" of hornfels Qtz diorite at 24.20m (could be alteration pattern).
						24.25 - 25.87 Bull Qtz vein. White with strongly broken intervals. Unit has "shattered" look. Common frac pattern @ 030° TCA. Sx are dispersed clots or disseminations, as fracture coatings & as diffuse "bands" spaced out through interval at roughly 1 band/every 15-20cm. Py-Sp±Gn±Mag±Cpy are common band constituents. Bands measure 2-5cm & roughly oriented. Sx content increasing as band density increasing. More of a net-textured look. Calcite healed shears/fracs @ 060° TCA are common.
						Sx content in this interval is is 10% of volume. Mosty Py+Mag (50-35 ratio). Also lesser Sp (honey brown & black jack), Cpy±Gn.
						26.50 - 27.44 Qtz vein with 35% altered Qtz-Sericite wallrock rafts. Looks like altered/sheared Granodiorite. Constituents are Si-Se-Ch±Py. Few large open fracs at 010° TCA; slickensided with Ch-Se. 26.83 - 25cm wide interval of well Sx mineralized Qtz vein. 5-10% magnetite intergrown with Chlorite and impregnated with Py±Cpy in dentritic pattern. Not as obvioulsly banded as before. Mostly barren Qtz from 27.08 - 27.44. Strongly shattered with few vugs infilled with albite(?). Cream coloured.
						27.44 - 28.04 Few 5-10cm rafts of Qtz-Sericite Rx within Qtz vein. Sx are mainly restricted to dissiminations of Py or clots of Mag-Py±Cpy.
						Footwall vein contact is broken, sharp but irregular. See detailed photos of HW, vein and FW.
28.04	32.31	Pale gry-grn	Massive crystalline local sheared		Qtz-Fx-Mf-Bi-Ch-Se	**GRANODIORITE:** Massive. Eqigranular to locally psuedo-porphyritic. Broken, altered, appears to be strongly sheared in narrow intervals. Fine diss Py with matrix common. Upper 5cm contact with overlying main vein is intensly Ch-Se altered. Overall unit is mod-strong chlorite altered, patchy to local strong Se alteration. Parallel hairline calcite cracks/healed fractures are common at 030 - 050° TCA . React vigorously to dilute HCL. Up to 5-10/10cm. Long, open, Ch & Se & Mn oxide coated fractures are common at 010° TCA .
						Pale orange cast below 29.00m strengthening below 31.20m. Might be weak Kspar alteration or lessening of Ch-Se alteration and natural Fx color coming through. Broken, fractured, rubbly & weak clay altered below 32.10 to EOH. Must be approaching fault structure. Fx softer than above. 32.31 EOH

	Structure:					Notes:
	From	To	Type	TCA	Condition	
	4.57	6.5	Fractured	Random	Rubbly	Rubbly, broken.
			Fracs	050°	Coated-rough	Fe oxide. Ch coated open fracs.
			Fracs	015°	Rough	Long, open Fe oxide coated.
			Veinlet	030°	Qtz-Sx	Mm scale-Qtz-albite-Sx veinlets. Atypical.
	6.50	7.80	Weak foliation	035°		Weak penetrative foliation.
			Fracs	015°	Rough	Open long, coated fracs. Ch-Se-Fe oxide.
	7.80	8.05	Fractured	Random	Rubbly	Parallel shears at 050°. Drill ground.
	8.05	12.00	Weak foliation	050°		
			Fracs	015°	Coated-rough	Long, open Ch-Si-Li(?) coated fracs. 1-2/m.
			Shears	030°	Slicks	Narrow zones of parallel shears. Infrequent.
	12.00	21.75	Weak foliation	040° - 050°		
			Qtz stringers	Random		Mm-scale Qtz ± Py stringers -1/m.
			Cracks	Random	Hairline	Tiny calcite veins/healed fracs.
			Veinlet	Random		Mm-scale chlorite veinlets.
			Fracs	030°	Rough	Ch-Se open coated 2-3/m.
			Fracs	030°	Healed	Healed parallel fracs.
	21.75	23.10	Shear fabric	040° - 060°	Penetrative	Crystalline passing downhole to intense alteration/shearing.
	23.10	28.04	Vein	050°	Massive	"Shattered" look but mainly intact. Parallel shear/fracs at 050° TCA .
			Fracs	Random	Calcite	Calcite healed parallel structures. Tiny cracks up to 5-10/10cm.
			Fracs	020°	Rough	Open long, coated fracs. Typically in wallrock rafts.
	28.04	30.00	Fractured	015°	Rubbly	Long, open Ch±Se coated shears/fracs. Narrow rubbly sections.
	30.00	32.31	Massive			
			Fracs	015°		Long, open Chlorite±Se coated fracs.
			Fracs	040°		Conjugate fracs. 2 sets orthagonal at 040° TCA . Rubbly broken section at EOH. Possibly approaching a fault.
	Alteration:					Notes:

	From	To	Assemblage	Mineral (%)		
	0.00	6.40	Ch-Se±Fe			Weak Ch-Se alteration. Local Fe oxide staining.
	6.40	8.00	Ch-Se±Fp			Weak Ch-Se alteration. Patchy Epidote increasing downhole.
	8.00	12.50	Ch-Se-Fp			Weak Ch-Se-Epidote alteration. Minor Si flooding/veining.
	12.50	21.75	Ch-Se±Fp			Relatively fresh. Epidote typically at margins of fracs/veinlets.
	21.75	23.10	Ch-Se-Si			Mod passing to intense alteration/shearing HW to vein.
	23.10	28.04	Vein			Qtz vein. Strong to intense Ch-Se-Si alteration of wallrock rafts.
	28.04	29.50	Ch-Se			Strong passing to mod to weak Ch±Se alteration.
	29.50	32.31	Ch-Se±Kspar			Weak to mod Ch-Se alteration. Patchy Kspar alteration(?). Shearing & strong alteration (clay?) below 32.00m.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	21.75	23.10		Py	<1%	HW - Quartz diortie passing to Qtz-Sericite Rx. <1% diss Py.
	23.10	23.90		Py-Mag-Cpy±Sp	<2%	Main vein - Bull Qtz. <2% Sx.
	23.90	24.25		Py	<1%	Main vein - mixed Qtz & rafts of Qtz-Sericite Rx. <1%Sx.
	24.25	25.87		Py-Sp±Mag	<2%	Main vein - Bull Qtz. Sx bands & narrow net textures. <2%.
	25.87	26.50		Py-Mg±Sp(±Gnc?)	<5%	Main vein - Bull Qtz. Bands & network textured. <5%.
	26.50	26.85		Py	<1%	Main vein - rafts of Qtz-Ch-Se altered granodiorite. <1% Sx.
	26.85	27.10		Py-Mg±Cpy±Sp	<15%	Main vein - subsiduary splay(?). <15% polymetallic Sx.
	27.10	27.44		Py±Mg±Cpy±Sp	<1%	Main vein - splay vein. Bull Qtz. <1% Sx.
	27.44	28.04		Mg-Cpy-Py±Sp	<1%	Main vein - mixed alt granodiorite rafts/bull Qtz. <1% Sx.
				Py±Mg	<1%	FW - Altered granodiorite. <1% diss & clotty Py.

Company:	Golden Odyssey					Date(s) Drilled: Oct 24-25/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct. 29/09
Hole:	DH09-087	Site F'		Dip:	-90	Start of Hole: 2.13 m
Collar Location:		613788	5913945	Elevation:	1328.8	End of Hole: 48.77 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.13					**CASING**
2.13	5.18	dark grey	crystalline, foliated		fs qz hb cl bt p	**Quartz Diorite:** moderately to strongly foliated, and locally sheared, brownish-grey to greenish-grey, medium-grained, quartz diorite; cut by mm-scale qz+/-py stringers; locally weakly magnetic;
5.18	6.52	pale greenish grey	sheared		qz se	**Shear Zone:** zone comprised primarily of qz and se altered qz di cut bynarrow stringers of white qz; veins account for < 5% of interval; interval of some loss in core recovery
6.52	7.77	pale grey-orange	massive		qz py mg cp sp	**Sheeted Veins:** zone of sheeted veins hosted in sheared qz se rock; veins include slivers of qz se rock; veins account for 75% of interval and carry intergrown aggregates of py mg cp and sp totaling 3%
7.77	7.90	dark grey	crystalline, foliated		fs qz hb cl py	**Quartz Diorite:** moderately to strongly foliated, and locally sheared, brownish-grey to greenish-grey, medium-grained, quartz diorite; cut by mm-scale qz+/-py stringers; locally weakly magnetic; in intrusive contact with granodiorite below w narrow qz-py stringers at contact
7.90	23.78	pale grey-green to	crystalline, foliated, sheared		qz cl se cy kp py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; minor shear zones locally - similar to the one described above
23.78	25.52	white to pale grey	banded,		qz py cp mo	**Main Vein:** white 'bull' qz (w tr cl se) carrying tr diss and fracture-controlled cubic py, lesser mo & cp;
25.52	27.57	pale greenish-grey	foliated, sheared		py (1-2)	**Quartz Sericite Rock:** foliated, sheared and qz+/-sx veined granodiorite; interval inlcudes qz stockwork and sheeted qz-sx veins sampled and described below
27.57	48.77	pale grey-green to	crystalline, foliated, sheared		qz cl se cy kp py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and weakly to moderately foliated, locally sheared peripheral to qz-sx stringers;

	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	4.27		foliation	63	planar	fol in qz di
	6.00		shear	42	planar	
	6.52		vein contact upper	59	smooth	HW ctc of uppermost vein of sheeted vein zone
	7.9		intrusive contact	47	irregular	contact between quartz diorite and granodiorite;
	10.31		joint	55		
	17.22		joint	54		
	20.29		joint	30		
	21.48		fault	80	clay gouge	1 cm
	21.65		fault	80	clay gouge	mostly intense clay alt of gd
	23.63		foliation	69		
	23.78		vein contact upper	57	smooth	
	25.01		banding	70	discontinuous	py+/- sp-cp banding in quartz vein
	25.11		banding	64	discontinuous	py+/- sp-cp banding in quartz vein
	25.52		vein contact lower	84	irregular	
	27.45		foliation	56		
	29.85		joint	62		
	35.55		joint	45		
	43.13		vein	20		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.13	7.9	lim			Fe-oxide staining locally and tr lining some fractures
	2.13	6.52	cl bt			chloritization of mafics; weak brownish cast suggests secondary bt
	7.9	8.39	si cl	5		weakly silicified granodiorite near ctc
	8.39	10.82	cy cl ze			Propylitic and Argillic: moderate to strong clay alteration of granodiorite cut by late mm-scale veinlets of zeolite(?); non-magnetic; disseminated py

	10.82	13.10	se cl si, py			Phyllic: zone of weak to moderate cl se alteration, with local silica-sericite with pyrite as disseminations and fracture fillings
	13.1	13.80	cl se ze			Phyllic
	13.8	21.90	cl, se			Phyllic
	21.9	27.55	si se cl			Advanced Argillic/Phyllic
	27.55	34.25	cy se cl si			Advanced Argillic/Phyllic
	34.25	45.82	si cy			Advanced Argillic/Phyllic
	45.82	48.77	ks si cl			Advanced Argillic/Phyllic; weak Potassic overprint
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	4.57	6.52	stringers		py (tr) sp (tr) cp (tr)	narrrow qz stringers with tr sx cutting weakly bt hornfelsed and chlorite-altered qz di;
	6.52	7.77	vein	disseminated	py (1-2) mg (tr-0.5) cp (tr) sp (tr-0.5)	set of closely spaced qz-sx veins: locally stained pale orange (Fe-oxide) with limonite coating fractures veins account for 75% of interval and carry intergrown aggregates of py mg cp and sp totaling 3%;
	22.38	23.78	stringers	disseminated	py (tr)	HW to Main Vein: foliated to sheared granodiorite; chlorite-sericite altered; cut by qz stringers that account for ~5% of the the interval; veins carry tr py
	23.78	24.52	vein	disseminated	py cp sp tt (all tr)	white qz w tr of diss f gr py cp sp and rare traces of dull, soft grey mineral (tt?)
	24.52	25.52	vein	disseminated	py (tr-0.5%) sp (tr) cp (tr)	white to pale grey qz w f - m gr aggregates of sub-hedral py mainly on fractures and locally intergrown with brown sp and lesser cp to form vague, discontinuous bands
	25.52	26.67	stringers	disseminated	py sp cp tt (all tr)	FW to Main Vein: white qz stockwork cutting strongly foliated qz se rock; veins cary tr diss py sp cp and rare dull grey mineral (tt?); largest vein in stockwork is 27 cm wide;
	26.67	27.43	sheeted veins	disseminated	py sp cp gn	series of narrow sheeted pale grey qz-sx veins from 1 - 3 cm wide carrying tr - 5% combined py-sp-cp+/-gn cutting strongly foliated qz se rock.
	33.45	34.95	disseminated	stringers	py (0.5-1)	clay-altered gd w 0.5% diss py, cut by qz veinlets w c gr aggregates of py
	39.65	41.35	disseminated	stringers	py (0.5-1) cp (tr)	qz stockwork cutting ks and se alt gd; diss py; py and cp in veinlets

Company:	Golden Odyssey					Date(s) Drilled: Oct. 25/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 30/09
Hole:	DH09-088	Site F'		Dip:	-70	Start of Hole: 3.55 m
Collar Location:		613788	5913945	Elevation:	1328.8	End of Hole: 50.29 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.55					**CASING**
3.55	3.79	dark grey	crystalline, foliated		fs qz hb cl bt p	**Quartz Diorite:** moderately to strongly foliated, and locally sheared, brownish-grey to greenish-grey, medium-grained, quartz diorite; cut by mm-scale qz+/-py stringers; locally weakly magnetic;
3.79	4.19	pale greenish grey	sheared		qz se	**Shear Zone:** zone comprised primarily of qz and se altered qz di cut by narrow stringers of white qz;
4.19	5.05	white to pale grey	massive, banded		qz se cl mg (tr) cp (tr) py (0.5)	**Quartz Sulphide Vein:** white 'bull' qz (w tr cl se) carrying tr diss and fracture-controlled cubic py, lesser mg & cp;
5.05	6.34	pale greenish grey	foliated		qz py mg cp sp	**Quartz Sericite Rock:** mostly shattered rock; in FW to narrow vein
6.34	25.73	pale grey-green	crystalline, foliated, sheared		qz cl se cy kp py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; minor shear zones locally - similar to the one described above
19.30	25.25	pale grey-green	crystalline, foliated		qz se cl	**Granodiorite:** zone of equigranular to foliated gd cut by qz-sx stockwork; HW to Main Vein described below;
25.25	25.73	pale grey-green	foliated, sheared		qz se	**Granodiorite:** immediate HW to Main Vein described below; strongly foliated to sheared gd, cut by qz-ca stringers
25.73	28.78	white to pale grey	massive, banded		qz se cl mg py po sp cp gn te mg mo	**Quartz Sulphide Vein:** white 'bull' qz (w tr cl se) carrying tr diss and fracture-controlled cubic py to pale grey, banded with 3-5% sx;

28.78	38.00					**Quartz Sericite Rock:** foliated, sheared and qz+/-sx veined granodiorite; interval inlcudes qz stockwork and sheeted qz-sx veins sampled and described below; FW Zone to Main Vein
38.00	50.29	pale grey	foliated, sheared		py (1-2)	**Quartz Sericite Rock:** foliated, sheared and qz+/-sx veined granodiorite; interval inlcudes qz stockwork and sheeted qz-sx veins sampled and described below
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	3.65		foliation	60	planar	fol in qz di
	4.19		vein contact	30	rough	
	20.01		joint	52	smooth	
	20.32		sheeted veins	52	planar	qz-se w tr py in se-altered gd
	22.83		joint	74	planar	
	25.39		shear	67	planar	in sliver of wallrock internal to vein
	26.66		banding	59		sx banding in vein
	26.83		banding	68		sx banding in vein
	25.73		vein contact	70	planar	Main Vein
	27.73		banding	55	planar	sx banding in vein
	28.19		banding	50	planar	sx banding in vein
	28.78		vein contact lower	62	planar	marked by basal band / selvage of se-cp-py-po+/-gn
	38.01		joint	28	smooth	
	44.00		foliation	40	smooth	
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.55	5.50	lim			Fe-oxide staining locally and tr lining some fractures
	6.34	17.11	ks cl			local epidote
	17.11	23.72	cl cy py ep se			medium grey-green

	23.72	24.73	cy cl ze			Propylitic-Phyllic altered gd cut by qz stringers w tr disseminated py & py in fractures; traces also of diss sp +/- cp
	24.73	25.73	cy cl ze			similar to above, but with sheared zone from 25.25-25.73m
	29.28	30.33	cl se			Propylitic-Phyllic altered
	30.60	31.60	cl se			includes qz-pyt-sp-mg
	31.60	EOH	si se cl			Propylitic-Phyllic altered
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	4.19	5.05	vein	disseminated, fracture-controlled	mg (tr) py (0.5) sp (tr) cp (tr)	discrete vein with disseminated and fracture-controlled mg and sx
	23.73	24.73	stockwork - HW		py (tr-0.5) cp (tr) sp (tr)	sx in qz stringers cutting propylitic altered GD
	24.73	25.73	stockwork - HW	shear	py (tr-0.5) cp (tr) sp (tr)	includes narrow shear zone (25.25-25.73m)
	25.73	26.11	vein	disseminated, fracture-controlled	py cp sp tt (all tr)	top of vein; c-gr intergrown py sp cp on vein selvage; bands of sx & mg w chlorite on fractures/joints; w mg & sp; tr disseminated v soft bright white silver metallic mineral (Te)
	26.11	26.41	vein	disseminated, fracture-controlled	py (tr-0.5%)	white 'bull' qz w inclusions of qz se altered rock; tr py only
	26.41	26.82	vein	disseminated, fracture-controlled	mg (3) py (1) sp (0.5) cp gn mo (all tr)	well-banded zone of grey qz; bands of v f-gr py cp sp gn w mg in c-gr crystal aggregates; locally mo w chlorite on selvages; also tr of soft bright silver mineral (te?)
	26.82	27.08	vein	disseminated, fracture-controlled	mg py sp cp po (all tr)	white 'bull' qz w 4 cm section of qz se altered wall at base of interval; tr only of mg py sp cp po
	27.08	27.43	vein	disseminated, fracture-controlled	py (0.5-1)	zone of white to pale grey qz w diss and vague bands of mg py sp cp gn & dark grey dendritic grains (tarnished Ag?); also bright silver metallic mineral (te?)
	27.43	27.73	vein	massive sx	po (55-60) cp (4-5) sp (3-4) py (2-3)	30 cm massive (>70% sx) sulphide section: intergrown po cp sp py w rounded qz clasts

	27.73	28.23	vein	banded	sp (6) mg (6) po (1) py (1) cp (1) gn (tr)	banded sp-mg w lesser cp py po gn in pale grey qz and accessory cl
	28.23	28.78	vein	disseminated, fracture-controlled	sp (6) mg (6) po (1) py (1) cp (1) gn (tr)	banded sp-mg w lesser cp py po gn in pale grey qz and accessory cl
	28.78	29.28	vein	disseminated, fracture-controlled	sp (0.5) py (0.5) po (tr) cp (tr)	quartz vein w interburden (qz se altered rock): FW to unsegemented (upper) Main vein; vein and qz stringers carry tr sp py and occasional c-gr patches of sp py po w tr cp
	29.28	30.33	stringers	disseminated, fracture-controlled	py (tr-0.5)	qz se altered rock cut by minor qz-sx stringers; also diss c-gr aggregates of py and fracture-controlled py
	30.33	30.60	vein	banded	sp po py cp mg (tr-0.5)	qz vein with bands of intergrown sp po py cp and mg
	30.60	31.60	FW Stringers	stockwork	sp py cp (all tr - 0.5)	qz stockwork w tr to 5% (locally) sp py cp cutting bt-altered GD
	31.60	32.60	FW Stringers		sp py cp (all tr - 0.5)	qz stockwork w tr to 0.5% (locally) sp py cp
	32.60	33.60	FW Stringers		sp py cp (all tr - 0.5)	qz stockwork w tr to 0.5% (locally) sp py cp
	33.60	34.60	FW Stringers		sp py cp (all tr - 0.5)	qz stockwork w tr to 0.5% (locally) sp py cp
	34.60	36.00	Stockwork		py cp sp (all tr)	qz stringers/loose stockwork cutting variablt altered GD
	36.00	38.00	Stockwork		py cp sp (all tr)	qz stringers/loose stockwork cutting variablt altered GD

Company:	Golden Odyssey					Date(s) Drilled: Oct. 25-26/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct. 30-31/09
Hole:	DH09-089	Site F'		Dip:	-49	Start of Hole: 3.20 m
Collar Location:		613788	5913945	Elevation:	1328.8	End of Hole: 41.45 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.2					**CASING**
3.20	3.86	pale grey - orange	massive		fs qz hb cl bt p	**Quartz Sulphide Vein:** pale grey-orange qz with limonite lining fractures
3.86	4.10	pale greenish grey	sheared		qz se py	**Shear Zone:** zone comprised primarily of qz and se
4.10	6.82	pale grey	foliated			**Quartz Diorite:** pale grey, foliated, locally mottled; in gradational contact with granodiorite below;
6.82	27.29	pale greenish grey	crystalline			**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; minor shear zones locally - similar to the one described above
27.29	27.51	pale grey-green	foliated, sheared		qz se py	**Quartz Sericite Rock:** foliated, sheared and qz+/-sx veined granodiorite; interval inlcudes qz stockwork and sheeted qz-sx veins sampled and described below
27.51	27.86	white	massive		qz ep py (cp, sp)	**Quartz Sulphide Vein:** with 4 cm seam of sx (py>>cp-sp)
27.86	28.11	pale grey-green	foliated, sheared		qz se py	**Quartz Sericite Rock:** strongly foliated to sheared qz se rock with local remnant crystalline fabric
28.11	38.20	pale greenish grey	crystalline, equigranular		qz se cl	**Granodiorite:** equigranular, crystalline, pale grey-green with chlorite replacing mafic minerals; chlorite and pyrite on fractures; late microfractures lined with calcite; secondary biotite forming envelopes to qz stringers
38.20	40.30	white to pale grey	massive, banded		qz se cl py cp sp po gn mo te?	**Quartz Sulphide Vein:** white 'bull' qz to pale grey quartz carrying ~ 1% total sx as disseminations and vague bands

40.30	41.00	pale greenish grey	crystalline, equigranular		qz se cl	**Granodiorite**: zone of equigranular to foliated gd cut by qz-sx stockwork; FW to Main Vein;
41.00	41.45					rubble of same; EOH
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	3.2		vein contact upper	70		
	3.2	3.86	fracturing	10		
	3.71		fracture	47		mineralized with cp
	3.86		vein contact lower	75		
	4.47		foliation	58		
	5.10	5.15	fault	unknown	broken rock	zone of oxidized and intensely broken rock
	5.70	6.15	fault	unknown	broken rock	zone of oxidized and intensely broken rock
	6.22		joint	63		
	7.10		shear	45		zone of sheared gd(?) with minor qz veining and shattered rock
	8.64	9.5	joint	14		
	19.6	21.3	fractures	10		broken zones with joints at 010 to CA
	27.85		vein contact lower	27	irregular	bottom contact of 34 cm qz vein with py
	36.85		joint	35		
	38.2		vein contact upper	28	planar	close to angle of foliation/shearing on immediate HW
	38.3		sx banding	53	planar	marked by basal band / selvage of se-cp-py-po+/-gn
	39.83		sx banding	54		
	40.3		vein contact lower	44		
	40.39		foliation	54		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		

	3.20	6.50	li			weak Fe-oxide staining locally
	4.10	6.82	cl			chloritization of mafics
	6.82	8.98	cl ep ze			
	8.98	22.56	cy cl ks bt			local punky weathering (moderate to strong argillic alt)
	22.56	27.51	cl se ks qz			
	27.86	38.20	cl bt ks qz py			Minor micro (psuedo?) breccia healed with chlorite
	40.30	41.00	cl, se			Advanced Argillic; weak silicification
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.2	3.86	vein		sx (1-2)	fractured/ healed w qz; fracture-controlled c-gr cp po sp py
	26.91	27.51	stockwork	disseminated	py (1) cp-sp (tr)	cubic py as disseminations and in fractures; narrow veinlets;
	27.51	27.86	vein	fracture-controlled	py (4-5) cp-sp (tr) ? tr	subhedral py (4-5%) intergrown w trace cp, sp; mainly concentrated as one 4 cm seam
	27.86	28.76	stockwork	disseminated, fracture-controlled	py (1-2) cp-sp (tr)	disseminated py; mainly qz veinets 0.5 - 2 cm wide with traces of py sp cp
	29.69	30.59	stockwork	disseminated, fracture-controlled	py (1) gn (tr) mo (tr)	cubic disseminated py to 0.3 mm; also gn, mo
	36.10	37.20	stockwork	disseminated	py (1) mo (tr)	cubic disseminated py to 0.3 mm; tr moly on late(?) fractures
	37.20	38.20	stockwork	disseminated	py (1)	cubic disseminated py to 0.3 mm;
	38.20	39.00	vein	disseminated, fracture-controlled	py (1) mg (tr) cp (tr) sp (tr), po (tr) mo (tr)	Mostly 'bull' white quartz with pale grey upper section; disseminated & microfracture-controlled py, cp, sp, gn & po; possible other bright silver Te mineral and f-gr almost dendridic dark grey metallic mineral; mo on late fractures

	39.00	39.80	vein	disseminated, fracture-controlled	py (0.5-1) cp (tr)	qz stockwork cutting ks and se alt gd; diss py; py and cp in veinlets
	39.80	40.35	vein	silicified lower ctc	mg (tr-0.5) py (tr)	magnetite with tr pyrite
	40.35	41.00	disseminated	stockwork		weakly silicified with quartz veinlets

Company:	Golden Odyssey					Date(s) Drilled: Oct 26-27/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct 30-31/09
Hole:	DH09-090			Dip:	-90	Start of Hole: 3.05 m
Collar Location:		613804	5913954	Elevation:	1326.9	End of Hole: 53.34 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.00	3.05					**CASING/OB:** Rubbly boulder fragments - few Qtz pieces.
3.05	4.37					**OB:** Rubbly & broken core - cave
4.37	7.28	Gry-grn-blk	Massive		Fx-Qtz-Mf-Bi-Se-Ch±Kspar	**Granodiorite:** V. pale pink cast; patchy. Unit is course grained to pseudo-porphyritic, massive. Wk-mod Ch-Se alteration. Fx have very pale pink cast (Kspar Alt?). Mafics look like secondary Bi Alt. (Retrograde). Fine diss Py & few local clots. Some mafic clasts partially replaced with fine grained magnetite. Lower 40 cm sheared & more stngly Ch-Se altered.
7.28	7.48	Pale grey	Sheared		Se-Si-Ch	**Quartz Sericite Rock:** Highly sheared, Se altered interval - texture nearly obliterated; might be granodiorite.
7.48	8.30	Grey-grn-blk	Mssive		Fx-Qtz-Mf-Bi-Se-Ch±Sx	**Granodiorite:** Massive, wk lineation of sericite @ 040°. Few Py-Mag-chlorite stringers @ 015° TCA. Ch-Se alteration increasing.
8.30	8.64	White, locally grn-blk	Vein		Qtz-Ch-Se±Py	**Quartz Sulphide Vein:** Pale green-white; mixed with chlorite-sericite alterated rafts of wallrock. Upper contact marked by intense shearing over few cm - lower contact grades into coarse grained granodiorite. Diffuse clotty Py.
8.64	8.80	Dark grey-wht	Massive		Fx-Qtz-Mf-Bi-Se-Ch	**Granodiorite:** Patchy chlorite alteration gives pseudo-porphyritic appearance.
8.80	9.34	White-grn	Vein/Stock		Qtz-Ch±Py	**Quartz Stockwork:** rafts of Ch altered wallrock. Clotty Py. Small diss of shiny grey metallic Sx; might be galena or Ag-bearing Sx.
9.34	11.77	Pale grey-grn, pink cast	Massive		Fx-Qtz-Mf Se-Ch-Kspar-Bi	**Granodiorite:** FW section to vein. Coarse grained, massive but more structure/alteration evident. Pale pink cast. Some narrow, parrallel shears. Few mm-scale Qtz stringers - diss & clotty Py - diss of magnetite. Sericite alteration forms wk lineation. Secondary Bi replacement of mafics (Hornblende).
11.77	16.10	Med gry-blk-wht	Massive		Fx-Qtz-Mf Se-Ch-Kspar-Bi-Ca	**Granodiorite:** Relatively fresh interval. Coarse grained to weakly porphyritic, massive, well cored. Parallel calcite cracks more common; 3-4/10 cm in some narrow intervals. Partially pale pink cast. Few mm-scale Qtz stringers. Diss and clotty Py throughout. <1% Py. Bi replacement of altered mafics (hornblende).
16.10	18.50	Pale gry-blk-wht	Massive		Fx-Qtz-Mf Ch ± Se	**Granodiorite:** Unit is passing downhole to less mafic content; consequently also more bleaching & alteration increasing - could be an alteration effect. Mafic content appears to be in 5% of total volume in some intervals.
18.50	19.85	Blk-gry-wht	Veined/ Stockworked		Fx-Qtz-Mf-Si-Ch-Se-Bi	**Granodiorite:** Cut by cm-scale Qtz stringers & narrow stockworks. Stng chorite alteration of Fx; bleaching evident. Narrow mm-scale Qtz-chlorite stringers.
19.85	21.02	Pale pink - grey-blk-wht	Veined/ Stockworked		Fx-Qtz-Mf-Kspar-Ch-Se-Bi-Si	**Granodiorite:** Irregular cm-scale Qtz stringers & minor stockworks. Interval is more Kspar altered than previously seen & tends to envelope Qtz stringers. Pale pink to salmon colour. Vuggy Py. Euhedral Qtz xstals in vugs & cracks. Unit has a "monzonite" appearance. Some clotty Py & CPy stringers; common at vein selvages.
21.02	23.16	Orange-pnk-gry-wht	Veined		Fx-Qtz-Mf-Kspar-Ch-Se-Bi-Si	**Granodiorite:** Increase in Kspar alteration. Few cm-scale Qtz Py ± Cpy stringers. Also diss Py in vugs in Qtz clasts & secondary silica. Minor mag aggregates & diss.
23.16	23.67	Blk-wht	Veined/ Stockworked		Fx-Qtz-Mf-Kspar-Ch-Se-Bi-Si	**Granodiorite:** Less obvious Kspar alteration. General increase in Ch alteration. Veined/stockworked parallel TCA. 050° TCA veinlet cross cuts 010° TCA vein. Diss Py throughout.

23.67	24.00	Blk-wht	Silica Flooded		Qtz-Fx-Mf-Bi-Ch±Se	**Granodiorite:** Strong mineral lineation of mafics/second. Biotite; gives striped "zebra" look. Silica flooding is mod - stng. Lineation orients roughly 060° TCA. Diss Py throughout. Calcite filled cracks.
24.00	24.86	White, lesser pale Grn	Vein		Qtz-Ch±Sx	**Quartz Sulphide Vein/Stockwork:** Mainly white bull Qtz vein with up to 35% rafts of altered wallrock. Upper contact marked by Qtz stringer @ 030° TCA. Diss Py abundant @ selvage. Chlorite alt rafts are roughly aligned in narrow mm-cm scale bands @ 050° TCA. Orthogonal, closely spaced fracture pattern is 040° TCA. Clotty & Diss Py±Mag±Sp appear at margins of raft bands & are roughly oriented same as raft bands. Lower contact marked by Qtz-Sx stringer at 040° TCA.
24.86	25.91	Grn-gry-wht	Crystalline, Silica flooded		Qtz-Fx-Mf-Ch-Se-Bi-Si-Py	**Granodiorite:** Upper contact with overlaying vein/stockwork is highly sheared & Ch-Se alt @ 040° TCA. Qtz stngers at core of shears. Diss Py throughout section </1%.
25.91	26.75	White, varicoloured gry, grn,blk	Veined/ Stockworked		Qtz-Ch±Sx	**Quartz Vein/Stockwork:** HW stockwork zone to main vein. 70% Qtz & 30% Ch-Se alt. rafts/inclusions of wall rock. Upper contact sharp but broken & irregular. Parallel open coated fracs at 030° TCA. Alt rafts are Ch-Se-Si (later?) flooded with strong lineation at 040° TCA. Py clots & diss are impregnated in Qtz & alt rafts; often at selvages of rafts but no obvious orienation. Cpy±Sp also noted as clots. Few large Mag-Py±Cpy clots & masses. Can measure up to 3 cm long. Lower contact marked by 3cm wide Qtz-Sx stringer at 060° TCA. Up to 15% Mag, 5% Py+CPy, & <1% honey Sp. Py±Cpy seems to replace "older" eroded mag.
26.75	28.27	White-grn-blk	Veined/ Stockworked		Qtz-Ch-Se-Mf-Sx-Ca-Fx-Ep	**HW Stockwork/Vein Zone (upper 40cm):** Section is 80% altered, silicified granodiorite or rafts of alt granodiorite grading downhole to more Qtz. Overall unit is 50-50% Qtz/Alt wallrock. Numerous calcite cracks at upper contact. Stng bleaching. Rough mineral lineation at 050° TCA. Sx <1% overall with small inclusions/diss of Py-Cpy-honey Sp-Mag. Few dull grey metallic grains (Ag?). Patchy pistachio-green epidote. Rough Sx lineation at 060° TCA.
28.27	28.80	White	Vein		Qtz-Ch±Sx	**Quartz Sulphide Vein:** Transitional from above to more pure vein. Few wallrock inclusions but mainly white, bull Qtz w/ <1% Sx. Upper contact marked by mm-scale Sx band at 050° TCA; Py-Cpy-Mag±Sp. Qtz has "shattered look". 2 dominant sets of closely spaced fracs @ 040° TCA which offsets & cross cuts early fracs at 050° TCA. (orthogonal).
28.80	29.08	Grey-grn-wht	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** White bull quartz, passing to dark grey-green sulphide rich quartz section. Sulphides at clots, aggregates & diss formed in net-textured bands & slips; might be slip plane controlled. Has unique pale yellow-green cast; might be dispersed chlorite alt. Suphides comprise bright,brassy Py; dull black & shiny metallic (burnished?) magnetite; with lesser honey and brown Sp and lesser Cpy. Sx comprise 15-20% of unit over 20cm. Py seems to be replacement of vggy & eroded Mag. Cpy appears intergrown with Py. Sp as solo aggregates or at margin of Py aggregates. Dominant frac/shear planes at 030° TCA.
29.08	30.00	Varicoloured grn-pale ylw-blk-wht	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** White, bull Qtz with Sx masses & bands but overall Sx content is <2%. Color contrast at upper contact suggests episodic Qtz veining; i.e. diffuse, irregular contact. Qtz has "shattered" look. Sx consist of Py-Mag with lesser Cpy & Sp. Cpy & Sp appear as intergrowths to Py aggregates. Py is very shiny & "new looking"; replacement? episodic? Dark grey, sooty sulphide on some open fracs; has weak pale blue irridesence.

30.00	31.50	Varicoloured pale ylw-grn-wht-blk-gry	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** Similar to unit from 28.80m. Same colour & tenor. Unique green/pale yellow look. Sx comprise up to 8-10% of unit. Much higher Cpy content by volume; but Mag dominates all Sx; makes up 5% volume of Sx; 1-2%. Py-Cpy; < 1% Sp. Mag occurs as masses & aggregates up to 2 cm across. No obvious orientation. Cpy & Sp appear intergrown with Mag & in some places as replacement of eroded Mag. Py & Cpy appear intergrown. Sp tends to occur alone or with Mag. Dull silver grey metallic mineral; typically as specs; rare to observe; intergrown with Mag and stand alone as fine diss. Close spaced frac/shear pattern throughout @ 040° TCA; up to 2-3/mm. Py intergrown with or replacement of Se altered clasts. Closely spaced fracture pattern also at 0 to 010° TCA. 10-15/10cm from 31.25-32.00. Thin section taken at 30.38m for unidentified silver metallic mineral.
31.50	32.40	Varicoloured	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** Same as above. Sx content and density of core unique; & unique grey yellow colour; drops off below 31.80. Trace fine grained pale blue metallic mineral noted. Might be intergrown moly.
32.40	33.30	Varicoloured	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** Similar to unit above. Unique green/yellow colour. Strongly mineralized with Sx passing below 33.00m to white bull Qtz with lesser Sx dominated mostly by Py.
33.30	34.94	Pale grn-wht	Vein, FW shearing		Qtz-Ch-Se-Py	**Quartz Stockwork:** Bull white Qtz enveloping rafts & fragments of extremely sheared & altered wallrock. Assume granodiorite. Shearing common at 040° TCA. Altered fragments are mostly Ch-Se-Si. Fairly soft; weakly clay altered; intensifying down hole. Diss Py common but <1% overall. Could be albite in Qtz. Qtz has shattered look.
34.94	35.36	Wht-gry-grn-blk	Vein, stockwork		Qtz-Ch-Se-Sx	**Quartz Vein/Stockwork:** Either Qtz-Sx vein cross cutting Qtz stockwork or suphide-rich zone within stockwork. Sx up to 15% of volume. May be replacing intensly alt/sheared rafts of wallrock. Sx mostly Py with lesser Cpy & Mag.
35.36	35.66	Pale green, white	Stockwork		Qtz-Ch-Se	**Quartz Vein/Stockwork:** White bull qtz stockwork enveloping highly altered rafts of wallrock similar to unit 33.30. Minor Py.
35.66	35.86	White-gry-grn-blk	Vein, stockwork		Qtz-Ch-Se-Sx	**Quartz Vein/Stockwork:** Similar to unit at 34.94. Sx rich; 30% of volume dominated by Mag-Py.
35.86	36.60	Pale green, white	Stockwork		Qtz-Ch-Se	**Quartz Stockwork:** White bull qtz stockwork with highly altered rafts of wall rock. Similar to unit 35.36. Minor Py <1%. Fracture pattern common at 020° TCA.
36.60	36.85	Pale green, white	Stockwork		Qtz-Ch-Se-Py	**Quartz Stockwork:** White bull Qtz stockwork with highly altered rafts of wall rock. Same as above with 1-2% clotty and aggregate Py.
36.85	37.84	Pale yellow, green	Shear Fabric		Se-Ch-Si±Py	**Quartz Sericite Rock:** Intensely alt/sheared unit. Strong shear penetrative fabric at 040° TCA. Qtz stringers ll to shear fabric. Mm-scale 3-4/m. Barren or with minor Sx-Py & Mag. Diss Py in quartz sericite matrix. Minor epidote.
37.84	38.41	Green, wht, blk	Sheared, veined		Se-Ch-Si-Sx	**Quartz Sericite Rock:** Veined & stockworked with Qtz-Sx suphides dominated by Mag-Py±Cpy±Sp± trace grey Ag (?) mineral. Sense of structure @ 040° TCA. Sx comprise 5% of unit.
38.41	39.82	Green, white	Sheared, veined		Se-Ch-Si±Py	**Quartz Sericite Rock:** With multiple parallel Qtz stringers @ 020° TCA varying to 050° TCA to 060° TCA; passing downhole to pure white Qtz vein from 39.00 - 39.20m.
39.82	42.97	Ylw-grn-wht-blk	Vein		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** Similar to unit from 30.0 to 31.50m. Massive qtz vein heavily mineralized with polymetallic sulphides; unique pale yellow-green cast. Very identifiable. Contact with qtz sericite unit above is gradational & more like a stockwork passing to vein. Sx comprise 5-8% of overall unit. Net textured & aggregates. Net textures have weak lineation at 030° TCA. Sx dominated by Mag±Py±Cp±Sp±silver metallic mineral. By volume Mag is 85% of Sx. Massive Cpy-Po-Mag aggregate/mass at 40.80m; over 20cm; >80% Sx. **"Marker" horizon to DH-088 @ 27.43-27.73m** Massive magnetite masses & aggregates dominate below 41.65 to 42.75m up to 50% of volume.
42.97	43.59	White, grn	Vein		Qtz-Ch-Se-Py	**Quartz Vein:** Transition from sulphide rich quartz vein to white bull quartz vein with diminished Sx content. Unit is shattered and broken along long, open fracture at 005°. Dark black thick frac coating; possibly Mn oxide.

43.59	44.50	White, grn, blk	Vein		Qtz-Ch-Se±Sx	**Quartz Sulphide Vein:** Similar to above with narrow 5-10cm bands of Mag-Py-Sx; up to 5% content. Below 45.00 is white bull qtz.
44.50	45.75	Pale yellow-grn-wht	Stockwork		Qtz-Se-Ch	**Quartz Stockwork:** At FW to vein. Large cm-scale Se+Ch altrered Qtz sericite frags in Qtz stockwork. Gradational from vein above. Indistinct and diffuse contact. Strong shear fabric in altered rafts @ 025° TCA. Minor Py. Unit has more of a mixed brecciated look. Not as uniformly banded as above. Minor diss Py.
45.75	46.35	Wht-ylw-grn-blk	Vein		Qtz-Sx-Se-Ch	**Quartz Sulphide Vein:** 2-3% Cpy-Py-Mag±Sp in qtz vein with rafts of sericite alt wallrock.
46.35	47.18	Wht-grn-gry-blk	Stockwork		Qtz-Se-Ch±Sx	**Quartz Stockwork:** <1% overall diss Sx. Cpy clots evident. Unit darker green than above; might be dominated more by chlorite.
47.18	48.30	Pale yellow, grn, wht	Stockwork		Ch-Se-Qtz	**Quartz Stockwork:** With rafts of altered wallrock. Swirling mixed texture suggests healed breccia. Minor Mag-Py-Cpy.
48.30	48.66	Wht-blk-grn	Vein		Qtz-Ch-Se-Sx	**Quartz Stockwork:** Strockwork above grades downward to more of a pure Qtz-Sx vein. Very gradational. Sx in rough bands @ 035° TCA. Sx overall is 2% of unit comprised of Py-Cpy-Sp-Mag±Gn(?).
48.66	50.44	Green, white	Shear Fabric		Se-Ch-Qtz±Py	**Quartz Sericite Rock:** FW with discrete cm-scale Qtz stringers transitional from stockwork above. Shear fabric at upper contact @ 040° TCA. Minor diss Py. Unit is very fine grained. Unknown protolith.
50.44	52.00	Green, white	Shear Fabric		Se-Ch-Qtz±Py	**Quartz Sericite Rock:** Similar to above only grain size is finer. Unit from 50.82 to 51.36 might be very fine grained Se alt dyke. Little if any remnant granodiorite texture left.
52.00	52.34	Green, white	Shear Fabric, veining		Se-Ch-Qtz±Py	**Quartz Sericite Rock:** Shear fabric prominent at 050° TCA. Veined with discrete cm-sized Qtz veins. Parallel to fabric at 040° TCA. Unit becoming more bleached towards EOH. Minor Py. EOH 53.34
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	4.27	Fractured	Random	Rubble	Broken fractured rubble. Some cave; ground core.
	4.27	5.07	Fractured	040°/030°	Open Rough	Conjugate frac set; 040° open with Mn-Fe oxide coatings & 030° TCA, same coating.
	5.07	7.08	Fractured	030°/020°		Close spaced, open & healed fracs; Ch-Se & Fe & Mn oxide. Secondary frac set @ 020°. Open, rough, wk Cc coating. Few chlorite-silica stringers at 020° TCA.
	7.08	7.58	Shearing; vein	050-060020° TCA.	Fabric/Vein	Intense alt/shear fabric with stng Se alt & Qtz stringers.
	7.58	8.20	Fracs	020°		Open rough coatings.
	8.20	9.14	Fracs/vein	030°	Vein, Stockwork	Narrow interval of Qtz veining. Stockwork with open fracs.
	9.14	19.85	Fracs/vein	various	Open Fracs	5-6 open fracs/meter. Also mm and cm-scale Qtz stringers. One frac set 060° TCA with wk Fe oxide coating. Some slicks. Calcite healed cracks at 030 - 040° TCA. Density varies from 1-2/m to upwards of 10/m in short segments. Rough mineral lineation at 040° TCA. Qtz stringers at 040 ° / 080° & 020° TCA (preferred but also random). Below 16.10m qtz stringers increase to 6-7/m. From 19.85 - 24.86m; multiple open fracs 3-5/m.
	19.85		Vein		Stockwork	Small stockwork 030 - 050° TCA.
	20.70		Vein		Stockwork	Small Vein/stockwork 020° TCA.
	22.05		Sx vein		Planar	6cm Qtz±Sx stringer @ 040° TCA.

	23.16	23.67	Veined	050°/010°	Stockwork	050° TCA veinlet cross-cuts 010° TCA vein.
	23.67	24.00	Flooded	060°	Fabric	Rough; silica flooding.
	24.00	24.86	Sx vein	030°/050°	Stockwork	Qtz vein & altered wallrock "rafts". Closely spaced frac pattern @ 040° TCA. (Orthogonal to vein structure).
	24.86	25.91	Si flooded	040°	Shear fabric	Sheared and flooded appearance.
	25.91	26.75	Sx vein	030°/040°	Stockwork	HW stockwork qtz zone to main vein. Open fracs within unit @ 030° TCA. Mineral lineation within zone at 040° TCA.
	26.75	28.27	Sx vein	variable	Stockwork	HW stockwork qtz zone. Calcite cracks common. Rough mineral lineation @ 050° TCA. Sx lineation in bands at 060° TCA.
	28.27	33.30	Sx vein	variable	Massive	Bull Qtz-Sx vein. Transitional and gradational from stockwork above and below. 2 dominant frac patterns; closely spaced at 040° TCA; offsets & cross cuts 050° TCA. Closely spaced healed fractures from 31.30 - 32.00m @ 090° TCA & might be drill induced. 32.60 Sx bands & slips rougly orientated 030° TCA.
	33.30	35.66	Qtz	030°/050°	Stockwork	Stockwork with intensly altered wallrock. Shear fabric @ 050° TCA. Open broken fracs at 030° TCA; Se coated.
	35.66	35.86	Qtz vein	050°		Qtz-Sx vein. Sx banding roughly @ 050° TCA.
	35.85	36.85	Qtz	variable	Stockwork	Qtz stockwork. Cm-scale Qtz stringers @ 020 - 040° TCA. Open Se coated fracs at 030° TCA.
	36.85	39.82	Sheared, Qtz stringers	030°, 045°-050°	Fabric	Qtz Sericite Rx. Qtz stockwork. Prominent shear frabric (lineation?) @ 030° TCA. Also parallel mm to cm-scale Qtz stringers @ 2-3/m. Open Se coated fracs. Slickensided @ 045° TCA - 060° TCA; 1-2/m.
	39.82	44.50	Sx vein, banding, lineation, fracs	020-030°, 030°, 020°, 005°	Massive	Qtz Sx vein. Closely spaced closed or healed fracs @ 020° - 030° TCA. Sulphide masses roughly orientated orthogonal @ 030° TCA - 020° TCA. Fracs appear to be offset Sx stringers. Stng lineation of Mag @ 030° TCA at 42.30m. Open, broken fractures @ 030° 1-2/m. Long open Ch±Fe-Mn oxide coated frac at 005° TCA from 42.97m-43.89m. Clean, open, planar, smooth frac @ 030° TCA at 44.30m.
	44.50	48.66	Qtz, banding, lineation, fracs	030°, 040°	Stockwork	Stockwork veining. Open, clean and Ch coated fracs @ 030° TCA; 1-2/m. Orthogonal to shear fabric in altered rafts of wallrock @ 040° TCA. Parallel to discrete mm to cm-scale Qtz stringers. Sulphide banding where evident has rough orientation @ 040° TCA (parallel to open fracs above). Shattered Qtz apearance throughout; preferred orientation seems to be 040° TCA but can be random. Stng sulphide banding at 040° TCA at 48.3m.
	48.66	53.34	Shearing, Qtz stringers	040°/040°	Fabric	Multiple open facs at 040° TCA. Planar clean 5-8/m. Qtz stringers orthogonal at 040° TCA. Stng shear fabric in Qtz-Sericite Rx parallel to Qtx stringers at 040° TCA. EOH 53.34
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	7.18	Ch-Se±Kspar		Wk	
	7.18	7.48	Se-Ch		Stng-int	
	7.48	9.54	Ch-Se-Kspar		Wk	Pale pink cast "overprints" pale green-yellow cast.
	9.54	20.05	Ch-Se		Wk-mod	Chlorite dominated section. Narrow bleached zones proximal to Qtz stringers. Also narrow stng Se alteration at wallrock contact with Qtz stringers.
	20.05	23.30	Kspar-Ch-Se±Si		Mod-wk	Mod Kspar alt "overprints" Ch-Si. Si flooding related to Kspar.
	23.30	24.86	Ch-Se-Si		Mod-stng	Mod-stng Ch-Se alt with stng Si veining/stockwork.
	24.86	28.27	Ch-Se-Si-Clay		Stng-int	Stng intense Ch-Se alt & Si flooding. Narrow zones of clay altered rafts of wallrock in vein.

	28.27	33.30	Si-Ch-Se		Stng-mod	Stng silicifilation. Patchy green Ch cast. Se evident.
	33.30	36.85	Ch-Si-Si-Clay		Stn-intense	Stng passing downhole to intense Ch-Se-Si alt passing to weak clay alt from 34.00 to 35.66 & then passing again to stng Ch-Se-Si alt.
	36.85	39.82	Ch-Se-Si		Stn-mod	Stng Ch-Se-Si-Alt.
	39.82	44.50	Si-Ch-Se		Stng-mod	Stng silicifilation. Patchy green Ch cast. Se evident.
	44.50	47.18	Se-Si-Bh-Ch		Stn-intense	Stng Se alt. Si & stng bleaching. Patchy Ch.
	47.80	48.20	Se-Si-Ch-Bh		Mod-stng	Stng Se alt. Si & bleaching. Patchy Ch.
	48.20	53.34	Se-Si-Ch-Bh		Stng-int mod	Stng to int Se & Si alteration. Stng bleaching. Mod patchy Ch.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	19.85	Py±Cpy±Mag±Sp		<1%	Diss Py ubiquitous throughout granodiorite @ <1% overall. Narrow Qtz veinlets, occasionally with clotty Py & less often clotty Cpy±Mag±Sp (honey). Some clasts in Gd are replaced by Py±Mag. Rare Py stringers.
	19.85	21.02	Py-Cpy		<2%	Veined stockworked Qtz.
	21.02	23.16	Py±Cpy±Mag		<2%	Veined Qtz.
	23.16	23.57	Py±Cpy		<5%	Qtz veined and stockworked.
	23.67	24.00	Py		<1%	Si flooded.
	24.00	24.86	Py±Mag±Sp		<2%	Vein.
	24.86	25.91	Py		<1%	Si flooded.
	25.91	26.75	Py±Cpy±Mag±Sp		<5%	Qtz vein stockwork.
	26.75	28.27	Py-Cpy-Sp-Mag		<1%	Qtz vein stockwork.
	28.27	29.08	Py-Cpy-Mag±Sp		<1%	Qtz vein.
	29.08	30.00	Py-Mag±Cpy±Sp		<2%	Qtz vein.
	30.00	31.50	Mag-Cp-Py±Sp		8-10%	Qtz-Sx vein.
	31.50	32.40	Mag-Cp-Py±Sp		3-5%	Qtz-Sx vein.
	32.40	33.40	Mag-Cp-Py±Sp		5-8%	Qtz-Sx vein.
	33.40	34.94	Py		<1%	Qtz stockwork.
	34.94	35.36	Py-Mag-Cpy±Sp		15%	Qtz Sx Vein/Stockwork
	35.36	35.66	Py		<1%	Qtz stockwork.
	35.66	35.86	Mag-Py-Cpy±Sp		30%	Qtz Sx vein.
	35.85	36.60	Py		<1%	Qtz stockwork.

	36.60	36.85	Py±Cpy		<2%	Qtz stockwork.
	36.85	37.84	Py		<1%	Qtz Sericite Rx
	37.84	38.41	Mag-Py±Cpy±Sp±Ag?		5%	Qtz Sericite Rx. Stockwork with Qtz-Ag bearing Sx(?).
	38.41	39.82	Py		<1%	Qtz Sericite Rx. Veined.
	39.82	40.80	Mag-Py±Cpy±Sp±Ag(?)		5-8%	Qtz-Sx vein. Ag bearing silver mineral (?).
	40.80	41.04	Cpy-Po-Py-Mag		5-8%	Qtz Sx. High grade vein section
	41.04	41.75	Mag-Py±Cpy±Sp±Ag?		5-8%	Qtz Sx vein.
	41.75	42.97	Mag-Py±Cpy±Sp±Ag?		5-8%	Qtz Sx vein.
	42.97	43.59	Py±Cpy±Mag		<1%	Qtz vein.
	43.59	44.50	Mag-Py±Cpy±Sp		5%	Qtz Sx vein.
	44.50	45.75	Py		<1%	Qtz Sericite Rx. Stockwork.
	45.75	46.35	Cpy-Py-Mag±Sp		<2%	Qtz Sx vein.
	46.35	47.18	Py-Mag-Cpy		<1%	Qtz vein. Qtz stockwork.
	47.18	48.20	Mag-Py-Cpy		<1%	Qtz Sericite Rx. Stockworked; brecciated(?).
	48.20	48.66	Py-Cpy-Sp-Mag±Gn(?)		2%	Qtz-Sx vein. Galena or Ag bearing sulphide(?).
	48.66	50.44	Py		<1%	Qtz Sericite Rx. Veined.
	50.44	52.00	Py		<1%	Qtz Sericite Rx. Veined.
	52.00	53.34	Py		<1%	Qtz Sericite Rx. Veined.

Company:	Golden Odyssey					Date(s) Drilled: Oct 27-28/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Oct 30-31/09
Hole:	DH09-091			Dip:	-69	Start of Hole: 3.05 m
Collar Location:		613804	5913954	Elevation:	1326.9	End of Hole: 39.01 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.00	3.05					**CASING:** No recovered core.
3.05	4.27					**OB:** or downhole cave. Broken rubbly drill ground section. Argillite, Qtz & granodiorite rubble.
4.27	4.97	Pale gry-grn, rusty orange	massive, crystalline		Fx-Qtz-Mf-Bi-Fe	**Granodiorite:** Ch-Se altered. Broken fractured interval. Local, patchy, rusty Fe-Mn oxide coatings on open fracs & healing some fracs.
4.97	5.40	Wht-pale grn-yellow	Vein, stockwork		Qtz-Ch-Se±Py	**Quartz Sericite Rock:** Veined with Qtz. Upper contact diffuse & gradational & broken. Rafts of stng Se-Si-Ch altered wallrock has stng shear fabric @ 045° TCA. Clotty Py lozenges with slips. Fracture pattern within Qtz at about 035° TCA.
5.40	8.40	Pale gry-grn, local blk	Massive, crystalline, psuedo-porphyritic		Fx-Qtz-Mf-Bi-Ch-Se	**Granodiorite:** Mainly massive, locally unit has a crude banding at 050° TCA. Could be a alt effect. Minor diss & clotty Py. Few massive Qtz stringers. Unit seems to have a wk silicification overprinting Ch-Se alt.
8.40	8.90	Gry-wht-dark green	Breccia, stockwork		Qtz-Albite-Se-Ch-Py	**Breccia/Stockwork:** Qtz in fragments & intensly altered silicified wallrock fragments weakly cemented by Chlorite-Sericite. Albite altered frags also evident. Upper contact marked by broken Qtz/altered HW contact; irregular but distinct. Wallrock is highly sheared & silicified for 20cm above vein. Lower contact is diffuse & indistinct & seems to pass to silicified crystalline granodiorite. Py ± Cpy aggregate/masses measure up to 3 cm long. Py content <2%.
8.90	13.92	Gry-blk-patchy, wk grn cast.	Massive, crystalline		Qtz-Fx-Mf±Py	**Granodiorite:** Psuedo porphyritic appearance. Some narrow intervals with crude banding. Unit appears relatively fresh with local patchy green cast (chlorite alt). Some narrow intervals appear bleached & more stngly Ch-Se altered or appearance is due to lesser mafic Bi content.
13.92	16.29	Pale salmon-pink-gry-blk-grn	Massive, crystalline		Qtz-Fx-Mf±Py±Kspar	**Granodiorite:** Pale pink salmon color imparted by wk Kspar alt of Fx.
16.29	23.92	Pale gry-blk, pale to dark grn	Massive, crystalline		Qtz-Fx-Mf±Py	**Granodiorite:** Massive, coarsly crystalline. Locally has psuedo-porphyritic & banded appearance. Alteration is not uniform throughout & there may be biotite alteration locally overprinted by wk Ch-Se alt. Some narrow intervals have a bleached silicified appearance. Local intervals of higher mafic content or strong Bi alt. include 16.26 - 16.86m, 19.01 - 20.81m, & 21.59 - 22.12m. Gives sections a "intrusion breccia" or "brecciated" appearance. <1% diss & local clotty Py.

23.92	25.45	Pale grn-gry-wht-blk	Massive, shear fabric		Qtz-Ch-Se-Mf-Bi-Fx-Sx-Si	**Granodiorite:** Passing downhole from crystalline & massive to stngly altered with pronounced shear fabric @ 050 ° TCA. Diss Py, Cpy and Sp. noted; 1-2% locally. Se & Si alteration is uniformly stn. Chlorite alteration stng but patchy. Mm-scale Qtz-Sx stringers at 030° TCA ll to fabric; minor Mag. Unit is HW to main vein.
25.45	26.84	White-pale grn-gry	Vein, massive		Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** bull white Qtz vein with stringer sulphide bands. Mainly Py ± Cpy ± Mag. Sx bands tend to congregate toward upper & lower contact. Upper vein contact marked by distinct, sharp but irregularly sheared Se alt. wallrock & white Qtz. Closely spaced Clorite coated fractures in Qtz @ 050° TCA. Cross HW contact. Older set of close spaced cracks in Qtz at 025° TCA & offset by 050° TCA set. Sx content up to 2% of unit. No obvious Sp-Po. Lower vein contact is diffuse, indistinct & gradational to sheared Se alt. Quartz Sericite Rx - Shear frabric @ 060° TCA.
26.84	27.75	Pale gry-pale grn-blk-wht	Massive, crystalline, stockworked		Qtx-Fx-Bi-Ch-Se±Py	**Granodiorite:** Mixed interval stockworked with stringer Qtz & narrow contact zones of highly sheared Quartz Sericite Rx. Shear fabric where developed @ 050° TCA. Qtz is highly random. <1% diss & clotty Py overall.
27.75	29.93	Pale gry-blk, locally pale grn	Massive, crystalline		Fx-Qtz-Bi-Se-Ch	**Granodiorite:** Massive crystalline. Wk Chl-Se alt. Very locally intense Se shearing adjacent to several mm-scale Qtz veinlets; at 28.10m, 29.60m. Minor diss Py. Locally stng chlorite alt from 29.57 - 29.93m.
29.93	31.38	Pale gry-pale grn-blk-wht	Massive, wk shearing		Fx-Qtz-Bi-Ch-Se	**Granodiorite:** Massive, crystilline, passing gradually downhole to more intensly Ch-Se altered & sheared & silicified Quartz-Chlorite Rx. Shear fabric is penetrative & marked by stng chlorite banding @ 030° TCA.
31.38	31.90	Grn-wht, pale to dark gry	Sheared, banded		Qtz-Ch-Se±Py	**Chlorite Quartz Rock:** Stngly chlorite altered. Fw to vein. Banded appearance with chlorite-white Qtz sets. Stng penetrative fabric @ 030° TCA. Diss & clotty Py±Cpy occurs; generally strung out on slips ll to fabric in Qtz bands. <1% Py.
31.90	32.33	Grn-wht	Sheared, stockworked		Qtz-Ch-Se-Py±Cpy	**Quartz Stockwork:** Qtz stockwork with rafts of sheared & strong chlorite alt. wallrock. Up to 5% Py ± Cpy.
32.33	35.60	Wht-local grn	Massive		Vein Qtz-Ch-Se-Sx	**Quartz Sulphide Vein:** Massive white Sx vein. Relatively clean vein with less 10% volume of altered wallrock. Upper contact is intensly sheared & white clay altered (illite?) @ 060 - 070° TCA. Distinct but irregular. 1-2% Py at contact selvage. Healed gouge. Qtz has "shattered" look. Closely spaced fracs/crack @ 070° TCA offsets earlier close spaced fracs /cracks at 010° TCA. Sx occurs at aggreegates & clots in narrow 10-15cm concentrated zones. No obvious structural control. Sx contain Py-Mag±Cpy±Sp. Overall Sx is <2%; not well mineralized compared to other holes (lean). Sx agglomerates occur at 32.33m, 32.71m & 34.30m. Lower contact broken, sheared, roughly at 050° TCA.
35.60	39.10	Grn-gry-wht	Sheared		Fx-Qtz-Bi-Ch-Se-Si	**Granodiorite:** Bleached, stngly sericite altered; proximal to mm to cm-scale Qtz stringers. <1% Py. Unit is silicified but patchy & conforms to zones of strongest Se alteration. EOH 39.10 m.

	Structure:					Notes:
	From	To	Type	TCA	Condition	
	3.05	4.27	Fractured		Rubbly	Broken fractured OB/Bedrock. Some cave.
	4.27	4.97	Fracs	030°	rough/coated	Open Fe oxide coated fracs at 030° TCA.
				005°	rough/coated	Long, open stngly Fe oxide coated fracs.
	4.97	5.4	Sheared	050°	fabric	Penetrative.
			Veined	030°	Stockworked	Open Ch-Se coated fracs at 030° TCA.
	5.40	8.4	Fracs	050°	Open/rough	Open Ch±Fe oxide coated fracs 1-2/m.
			Fracs	030°	Open/smooth	Planar - open Ch ± Fe oxide coated fracs; 2-3/m; slicks. Sets are not conjugate to ech other but are 090° to each other (right angles)
			Fracs	005°	Closed	Healed tiny cracks cross cut & offset by 030° TCA set.
	8.40	8.9	Breccia	050°	Veined	Healed Qtz vein. 050° TCA at upper contact. Sheared
				030°		Lower contact @ 030° TCA.
	8.90	21.79	Fracs	040°	Healed	040° TCA - <1/m.
			Fracs	050°	Open	Ch coated.
			Fracs	030°	Open	Ch coated. Close spaced up to 10/10cm in short intervals. Common slicks.
			Stringers	Random	Qtz Vein	Mm-cm scale Qtz stringers - variable orientation 1-2/m.
	21.79	23.92	Fracs	030°	Open/rough	Closed spaced parallel open fracs with wk Se & Ch coating; 5-8/m. Crude biotite alteration pattern gives pseudo-brecciated look to interval.
	23.92	25.45	Shear	050°	Fabric	Shear fabric in Se altered intervals. From 030 - 050° TCA.
			Fracs	060°	Open/rough	1-2/m. Mm to cm-scale Qtz stringers - variable orientation.
			Qtz Stringers	Variable	Mm-cm scale	Few are ll to shear fabric.
	25.45	26.84	Qtz Vein	Variable	Massive	Qtz vein.
	26.84	27.75	Qtz stockwork	Variable	Veined	Variable orientated cm-scale Qtz stockwork.
			Shears	Variable	Fabric	Penetrative Se atl. Shear fabric at margins of Qtz.
	27.75	29.93	Fracs	020°	Open/rough	1-2/m.
			Fracs	050°	Open/rough	2-3/m.
			Cracks	015°		Calcite healed fracs or micro veinlets - Fizz
	29.93	31.38	Shearing	030°	Fabric	Not penetrative. Fabric developing at 030° TCA.
	31.38	32.33	Shearing; Banding	030° - 040°	Fabric	Penetrative at 030 - 040° TCA.
	32.33	35.60	Qtz Vein	Variable	Massive	Qtz Vein. Common shatter cracks at 020° TCA. Up to 15-20/m.

			Fracs	030°	Open/rough	Open fracs.
			Veinlets	060°		Later cross cutting Qtz stringers; mm-scale. Crude, chlorite alt. clots/wallrock rafts toward FW contact.
	35.60	39.10	Shear	020°	Fabric	Poorly developed & localized Se altered shear fabric.
			Fracs	020°	Open/rough	Fracs 1-2/m.
			Qtz Stringers	Variable		Mm-cm scale.
			Fracs	050°	Open/rough	Ch coated; 1-2/m.
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.05	4.97	Ch-Se-Fe-Mn		Wk-Wk	Wk Ch & Se alteration. Patchy irregular Fe-Mn weathering overprint.
	4.97	5.40	Ch-Se-Si		Stng-Int	Stng-Intense alt associated with vein/stockwork.
	5.40	8.40	Ch-Se±Si±Fe		Wk-Mod	Wk Ch-Se alt.; local mod Si overprint.
	8.40	8.90	Ch-Se-Si-Albite		Int-Mod	Intense chlorite alteration; Se mod. Fracs are silicified. Some Albitized(?) clasts in breccia.
	8.90	13.92	Ch-Se-Bh		Wk-Stng	Wk Ch alt overall. Narrow strng Ch-Se alt & bleached.
	13.92	16.29	Ch-Se-Kspar		Wk-Wk	Wk Ch & Se alteration. Overprinted(?) with wk Kspar alt.
	16.29	23.92	Ch-Se±Bi-Si		Wk-Stng	Wk Ch-Se alt. Overprinting earlier(?) Stng Bi alt. Local stng bleached & Si alt intervals (narrow).
	23.92	25.45	Se-Si-Ch		Wk-Stng	Wk passing downhole to stng at HW contact with vein. Chlorite alt appears stng but patchy.
	25.45	26.84	Ch-Se		Wk-Mod	Main vein? Wk-mod chlorite - sericite alt.
	26.84	27.75	Se-Si-Ch		Stng	Highly sheared Qtz sericite Rock in narrow intervals.
	27.75	29.57	Ch-Se		Wk	Local stng Se alteration proximal to Qtz stringers.
	29.57	32.33	Ch-Se		Mod-Stng	Mod chlorite alteration passing downhole to strong.
	32.33	35.60	Ch-Se		Wk-Mod	Main vein? Wk-mod chlorite - sericite alt.
	35.60	39.10	Se-Ch		Mod-Wk	Moderate Se alteration passing downhole to weak. Chlorite is uniformally mod to very locally stng.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	4.27	4.97	Py		<1%	Minor diss & rare clotty Py.
	4.97	5.40	Py±Cpy		<2%	Clotty & diss Py±Cpy in stockworked Qtz Sericite Rx.
	5.40	8.40	Py		<1%	Minor diss Py.
	8.40	8.90	Py±Cpy		<2%	Coarse clotty Py±Cpy aggregates up to 3cm long axis.
	8.90	23.92	Py±Cpy		<1%	Minor diss Py±Cpy throughout.
	23.92	25.45	Py-Cpy±Sp		<2%	Diss & clotty Py±Cpy±Sp. Local but not uniform.

	25.45	26.84	Py-Mag-Cpy		2-3%	Qtz Vein. Stringer & crudely banded Sx. Focus @ upper & lower contact.
	26.84	27.75	Py-Cpy		<1%	Granodiorite with Qtz stockwork veining & diss & clotty Sx.
	29.93	31.38	Py		<1%	Granodiorite with Qtz stringers.
	31.38	31.90	Py±Cpy		<1%	Qtz-Chlorite Rx.
	31.90	32.33	Py-Cpy		<2%	Qtz Stockwork - HW
	32.33	32.83	Py-Cpy		<5%	Main vein - Sx aggregates. Focused around HW contact & 32.71m.
	32.83	34.10	Py-Cpy		<1%	Main vein - mostly barren Qtz diss Py.
	34.10	34.45	Py-Mag±Cpy±Sp		<3%	Main vein. Sx aggregates focused around 34.30m.
	34.45	35.60	Py-Cpy		<1%	Main vein - mostly barren Qtz diss Py.
	35.60	37.08	Py		<1%	FW sone - Minor diss & clotty Py.

Company:	Golden Odyssey					Date(s) Drilled: Oct. 28-29/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Oct. 31 - Nov. 1/09
Hole:	DH09-092			Dip:	-90	Start of Hole: 2.33 m
Collar Location:		613801	5913916	Elevation:	1313.8	End of Hole: 30.79 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	2.33					**CASING**
2.33	5.92	white, pale grey	massive, banded		qz cp sp py	**Quartz Sulphide Vein:** hole collared in GD? rubble which may/may not be bedrock; first certain bedrock core is vein; vein w inclusions of qz se alt'd wallrock & 0.5 - 3 mm wide qz-sx veinlets; vein terminates in sheared pale qz se rock (protolith may be QD)
5.92	17.34	pale grey-green	crystalline, equigranular, locally foliated			**Granodiorite:** equigranular with local mottled, clay-altered (also w cl & se) zones w minor qz stringers (some carrying tr to 3% py-po-cp); tr py throughout silicified and sericite altered granodiorite cut by narrow stringers of white qz with traces of py
17.34	18.12	pale greenish grey	foliated, sheared			**Quartz Sericite Rock:** strongly foliated
18.12	23.00	white to pale grey	massive		qz cp py sp cv	**Quartz Sulphide Vein:** cp w py & sp (& tr cv) in interconnected network (of fractures); py also as aggregrates; vein cuts foliations
23.00	23.80	pale greenish grey	equigranular, crystalline			**Granodiorite:** immediate FW to vein; badly broken core; locally well-developed foliation
23.80	30.79	pale greenish grey	equigranular, crystalline			**Granodiorite:** w qz py stingers; late ca-bearing microfractures
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	3.45		joint	44	rough	
	3.80		vein bottom ctc	20		
	6.39		joint	58	planar	

	4.74		vein upper ctc	34	planar	
	5.76		fracture	10	planar	
	9.12		mineralized veinlet	13		
	13.90	14.00	shear w veinlet	45	planar	
	19.32		banding	63		lined w chlorite
	20.38		vein ctc	47	irregular	sx banding in vein
	23.20		foliation	62	planar	joint/fracturing in qz vein
	23.05	23.30	fracture	10	rough	
	21.15		joint	40		
	20.08		fracture	5		in qz vein
	26.20	26.60	joint	5		in qz vein
	29.96		joint	69		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.33	6.02	se, qz, cl			
	6.02	14.01	cl			
	14.01	15.09	bt			
	15.09	17.34	cl, bt			
	17.34	18.12	cl, se, qz		py	shear
	23.00	26.10	cl, se			
	26.10	30.79	cl,se.vy,si,ca			weak local sil also
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	2.33	3.15	vein	diss, fracture-controlled	cp sp py (0.5-1 total)	white qz with diss sx; fracture-controlled sx locally forming vague bands; 30-35% of interval is altered wallrock inclusions
	3.15	3.80	vein			break from above sample is altered wall rock inclusion
	3.80	4.74	stockwork			qz se rock cut by qz-sx veinlets
	4.74	5.92	vein	banding		discrete vein; ~10% lost core at start of interval; diss and fracture-controlled sx; intergrown aggregates of mg-cp-py-sp forming vague to locally well-defined bands

	16.15	17.34	disseminated	veinlets	py (tr) cp (tr)	c-gr cubic py w tr cp
	17.34	18.12	shear zone	stringers	py (tr) cp (tr) sp (tr)	tr of diss py in host rock and diss py cp sp in qz veins
	18.12	18.82	vein	banding	py (0.5-1) sp (tr) cp (tr)	white to pale grey qz w mm-scale bands of py w diss py sp cp; top 10 cm of interval contains inclusions of cy-se altered wallrock
	18.82	19.52	vein	banding	py (1-2) sp (1-2) cp (tr) po (tr-0.5) gn (tr)	white -pale grey qz cut by bands of intergrown sp (red-brown) cp py po gn
	19.52	20.08	vein	disseminated	py sp cp po gn (all tr)	white qz w tr diss gn sp cp py; end of interval is banded w tr gn sp cp py also
	20.08	20.38	vein		py sp cp gn (total 1%)	qz w diss & fracture-controlled py sp cp gn
	20.38	20.88	vein		py cp sp (all tr)	qz vein w inclusions of qz se rock that account for 30% of the rock; tr of py cp sp
	20.88	21.85	vein	disseminated	sp py cp (all tr)	white 'bull' quartz w tr sp py cp aand small qz se altered wallrock inclusions
	21.85	23.00	vein	disseminated	sp py cp (all tr)	white 'bull' quartz w tr sp py cp aand small qz se altered wallrock inclusions
	23.00	23.80	disseminated	fracture-controlled	py (tr)	rare traces of diss py

Company:	Golden Odyssey					Date(s) Drilled: Oct. 29-30/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Nov. 1/09
Hole:	DH09-093	Site D		Dip:	-59	Start of Hole: 3.05 m
Collar Location:		613801	5913916	Elevation:	1313.8	End of Hole: 29.26 m

Lithology:						
From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	3.05					**CASING**
3.05	3.34	white	massive, banded		qz py sp cp gn	**Quartz Sulphide Vein:** white quartz with bands of py intergrown with lesser sp, cp and gn; c-gr py on FW selvage
3.34	3.56	pale grey	sheared / foliated			**Shear Zone:** narrow zone of silicified and sericite altered granodiorite cut by narrow stringers of white qz with traces of py
3.56	3.85	pale greenish grey	equigranular, crystalline			**Granodiorite:** equigranular, locally foliated
3.85	4.17	white to pale grey	massive		qz cp py sp cv	**Quartz Sulphide Vein:** cp w py & sp (& tr cv) in interconnected network (of fractures); py also as aggregrates; vein cuts foliations
4.17	5.49	pale greenish grey	equigranular, crystalline			**Granodiorite:** equigranular, locally foliated
6.86	7.00	pale grey	foliated, sheared		qz se	**Quartz Sericite Rock:** cut by 1.5 cm qz stringers that parallel the fabric
7.00	17.01	pale greenish grey	equigranular, crystalline			**Granodiorite:** equigranular, locally foliated
17.01	17.59	pale grey	foliated, sheared		qz se	**Quartz Sericite Rock:** includes several foliation parallel qz py cp sp gn stringers; sheared HW to view
17.59	21.07	white, pale grey	massive, banded		qz sx	**Quartz Sulphide Vein:** top part of vein is intensely fractured to 17.98 m - possible core loss; altermnating white 'bull' qz and local pale grey qz w polymetallic sulphide bands
21.07	22.07					**Quartz Sericite Rock:** qz and se altered granodiorite-sheared FW to vein

22.07	29.26					**Granodiorite:** equigranular, locally foliated
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	3.34		vein-bottom co	72	planar	
	3.85		vein top ctc	38		
	6.93		shear	30	rough	
	7.30		joint	22	planar	
	10.47		joint	5	planar	
	12.09		joint	5		
	17.3		shear/foliated	39		
	27.81		joint	45		lined w chlorite
	28.76		joint	72		sx banding in vein
	18.19		joint	5		joint/fracturing in qz vein
	18.29		banding	60		vague banding in qz vein
	20.22		banding	50		py-sp band in qz vein parallel to jointing
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	3.34	9.10	al,se,ep,py, ca	locally	tr	diss euhedral py; tr late ca in microfractures
	9.10	10.60	cl,se,cy,si,ca		tr	diss euhedral py
	10.60	17.01	cl,ca			
	17.01	17.59	se, qz, cl			shear
	26.66	29.26	cl,se.vy,si,ca			weak local sil also
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	3.05	4.17	vein	stock work		interval includes two discrete qz-sx veins
	4.17	5.37	stock work			
	17.01	17.59	shear zone			w qz-cp-py-sp-gn stringers

	17.59	18.52	Vein			white qz to pale grey qz (w higher percentage of sx); white 'bull' qz for 1st 35 cm, then <1mm thick seams of cl-sx and/or qz-se-cy wallrock 'slips'; last 16 cm is pale grey-green qz w tr of py cp mo+/-sp
	18.52	19.32	vein			
	19.32	20.12	vein		py (3-4) cp (2-3) sp (1-2) gn (tr) ag (tr)	c-gr aggregates of intergrown py cp sp +/- gn toward end of interval; diss v soft & v bright silver metallic mineral locally
	20.12	21.07	vein		py (4-5) sp (2-3) cp (tr-0.5) gn (tr) mg (tr)	beginning of interval is well-banded segment of vein w 4-5% py, 2-3% green sp, tr-0.5% cp, tr gn; note mg rimming py
	21.07	22.07	FW-foliated	sheeted veins	py (tr-0.5)	diss py; sheeted qz veinlets

Company:	Golden Odyssey					Date(s) Drilled: Oct 30-31/09
Project:	Deer Horn			Azimuth:		Date(s) Logged: Nov 1-2/09
Hole:	DH09-094			Dip:	-90	Start of Hole: 2.13 m
Collar Location:		613910	5913914	Elevation:	1285	End of Hole: 51.82 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.00	2.13					**CASING/OB:** Broken drill-ground rubble. Mostly Qtz diorite.
2.13	4.53	Blk-v pale grn	Foliated		Qtz-Fx-Mf-Bi-Py	**Quartz Diorite:** Very fg to fg, foliated. Cross cut with mm to cm-scale Qtz stringers; 3-4/m. Diss Py in Qtz diorite mtx. Foliation at 060° TCA. Qtz stringers ll. Clotty Py masses common on vein selvages. Wk Chlorite alt.; especially proximal to stringers.
4.53	5.03	Wht-gry-blk	Vein		Qtz-Ch-Sx	**Quartz-Sulphide Stringers:** Narrow interval of sheared foliated Qtz diorite with foliation parallel Qtz-Sx stringers. Sx include clotty Py masses & lesser Mag & Sp. - 2% overall. Stng chlorite alt.
5.03	6.64	Blk-v pale grn	Foliated		Qtz-Fx-Mf-Bi-Se-Ch-Py	**Quartz Diorite:** Similar to unit above. More strongly foliated @ 060° TCA. Interval has repetative bands; very fine grained, but gradiational in & out of fine & med bands. More of a brown cast. Bi alt becoming evident.
6.64	9.14	Blk-v-pale grn, pale brn	Foliated		Qtz-Fx-Mf-Bi-Se-Ch-Py	**Quartz Diorite:** Medium to coarse grained with narrow, more foliated f.g. sections. Foliation ll to cm-scale Qtz stringers at 040° - 050° TCA. Fine diss & clotty Py common at Qtz selvages. Small, irregular patches of bleached chlorite Se-Si; cm- scale.
9.14	12.19	Black-pale brown	Foliated		Qtz-Fx-Mf-Bi-±Ch±Se±Py	**Quartz Diorite:** Foliated. Repetative narrow bands of very fine grained gradational to fine to med grained. Pale brown cast (Bi alt). Mm-cm scale, foliation ll Qtz stringers at 040° - 060° TCA. Narrow cm-scale, stng bleaching/sericite alter. proximal to some Qtz stringers. Diss Py in matrix. Diss & clotty Py proximal & within some Qtz stringers. Pale brown biotite alt strengthening downhole.
12.19	13.57	Blk-wht, pale brown	Foliated		Qtz-Fx-Mf-Bi±Ch±Se±Py ±Mag	**Quartz Diorite:** Mostly fine to very fine grained. Well foliated interval. Increase in parallel cm-scale Qtz stringers. Up to 30% of unit. Clotty Py ± fine grained Mag occures at stringer selvages & within larger stringers as foliation-parallel. mm-scale bands. Overall Sx content is <1%.
13.57	14.54	Pale gry-grn-blk-white-patchy pale brown	Sheared, Foliated		Qtz-Ch-Se-Bi-By-Fx-Mag	**Quartz Diorite:** Stng to intense sericite. Alteration throughout interval. Has strongly devleoped shear fabric. Penetrative. Patchy Mod Bi alt. Few foliation ll Qtz stringers - veinlets at 050° TCA. Fine diss Py <1%. 2 cm stringer at 14.07 has 30% mag, 2-5% Py by volume.
14.54	15.24	Pale gry-grn-blk-white-patchy pale brown	Sheared, Foliated		Qtz-Fx-Mf-Bi-Py-Mag-Se-Chl	**Quartz Diorite:** Same as unit above. Alteration increasing; Se, Ch, Si & Bi. Mag-Py Qtz stringer at 14.94 over 5 cm; 50% Mag, 2% Py, 40% Qtz & 10% Ch ± Se; oriented at 020° TCA. Pytgmatic folded stringer at HW to Mag stringer. Lower 15cm of unit strong to intense Se altered. Soft talc like.

15.24	15.44	Variable	Broken	Rubble		**Core Loss:** Drill ground Qtz diorite & granodiorite. Gravel. Some white Qtz pieces.
15.44	15.99	Pale gry-grn-white	Sheared		Se-Si-Ch-Cy-Sx	**Quartz Sericite Rock:** extremely sheared, altered & strongly Qtz veined. Stockworked. Alteration is Se, Si, Ch & Cy. Qtz stockwork/Qtz stringers in HW. Mag-Py observed; no obvious Cpy, Sp, Gn or Po Sx. Wallrock fracs in stockwork are soft, friable & almost gone to clay or close to clay.
15.99	16.49	Wht-grn-blk	Vein, Massive, Broken, Sheared		Qtz-Cv-Se-Sx	**Quartz Sulphide Vein:** NOTE core loss likely at HW & FW to vein. As much as 1.8m of vein is missing. Disrupted broken interval. Difficult to identify actual depths of vein. Upper contact of vein is highly sheared, intensly clay altered. HW at 030° TCA. Qtz is badly pitted & shattered. Shatter fabric II at 050° TCA. Albite (?) mixed with Qtz fracs. Intensely altered Sx band at 16.29 at 020° TCA; over distance of 10cm; massive Mag-Py up to 65% Mag & 5% Py.
16.49	18.29					**Core Loss**
18.29	20.96	Off-wht-pale cream-wht	Massive, Sheared		Qtz-Se-Ch-Bi	**Granodiorite:** Extreme sheared, sericite altered interval. Shear fabric at 040 - 060° TCA. Could be secondary Si alteration prior to sericite overprint. Vuggy & clotty coarse Py. Alteration diminishing downhole. Core loss between 20.29 & 20.76m. Fine to medium grained.
20.96	22.05	Gry-cream wht	Massive Sheared		Qtz-Se±Ch	**Granodiorite:** Coarsening downhole to medium, passing to coarse grained. Shear fabric at 050° TCA is poorly developed & not penetrative. Minor diss & clotty Py. Se alteration diminishing downhole to strong passing to mod. Patchy chlorite ± epidote.
22.05	23.31	Off-wht-cream-wht-pale yellow	Massive crystalline		Qtz-Se-Ch-Si-Bi	**Granodiorite:** Mainly coarse grained Se ± Ch alteration diminishing downhole to mod to weak. Minor diss Py. Fabric looks like it has an earlier silicification alteration event (Qtz grains rimmed with secondary silica). Weak Bi alt.
23.31	25.54	Off-wht-cream-wht-pale yellow	Massive crystalline		Qtz-Se-Ch-Si(?)-Bi	**Granodiorite:** Same as unit above with alteration intensity decreasing downhole to weak. Few mm-scale Qtz stringers. Minor diss Py. Weak Bi alteration.
25.54	27.43	Pale gry-wht	Massive crystalline		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Relatively fresh. Hard. Still weak Se alteration of Fx. Minor Py.
27.43	29.34	Pale gry-wht	Massive crystalline, local shearing		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Same as above with unusual patchy Bi alteration. Narrow sheared zone with strong Se alteration proximal to cm-scale Qtz stringers. ***Possible intrusion breccia. See hole DH095***
29.34	32.13	Pale gry-wht-local pale grn	Massive crystalline		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Weak Ch, Se & Bi alteration. Minor diss Py. Patchy mod chlorite alteration. Few calcite cracks. No Qtz stringers.
32.13	34.65	Pale gry-wht-pale grn	Massive local shearing		Qtz-Se-Ch-Si	**Granodiorite:** Local strong shearing & chlorite - sericite alteration proximal to cm-scale Qtz stringers. Closely spaced shears/fracs with chlorite-sericite coating & oriented 030° TCA; 7-10/m.
34.65	37.15	Pale gry-grn-white	Massive crystalline		Qtz-Fx-Ch-Se-Bi±Py	**Granodiorite:** Less altered than above. Closely spaced II fractures common throughout. Typically 020 - 030° TCA with strong sericite at margins.

37.15	38.02	Wht-gry-pale grn	Crystalline, veined, local shearing		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Local strong shearing demarked by strong Se alteration (shear fabric) at 040 - 050° TCA. Unit is stockworked with Qtz-chlorite ± Py stringers.
38.02	38.51	Wht-gry	Sheared, Veined		Qtz-Se-Ch-Py-Cpy-Mag	**Granodiorite:** Qtz-Ch-Py stockwork/veining in Se altered unit. Py up to 3% of unit. Minor Cpy & Mag.
38.51	40.70	Wht-pale gry-pale grn	Crystalline Massive		Qtz-Fx-Bi-Ch-Se	**Granodiorite:** Massive with local strong shearing & Se alteration. Calcite filled cracks & open Ch coated fracs. Shears @ 030° TCA. Open fracs orthogonal at 050° TCA.
40.70	42.81	Wht-gry-pale grn	Crystalline Massive		Qtz-Fx-Bi-Ch-Se	**Granodiorite:** Massive, crystalline. Intact. Well-cored. Open fracs @ 030° TCA.
42.81	43.52	Wht-pale gry-cream	Sheared, Veined		Qtz-Se-Ch-Bi-Mag	**Granodiorite:** Local strong Se alteration & shearing. Proximal to 5cm wide Qtz-Chlorite-Py±Mag stringer at 43.28m. Shear fabric @ 030° TCA.
43.52	44.92	Wht-gry	Crystalline, Sheared		Qtz-Fx-Bi-Ch-Se	**Granodiorite:** Mixed interval of c.g., massive, crystalline; & sheared, alterated intervals. Few cm-scale Qtz stringer ± Py.
44.92	48.40	Wht-gry-cream-pale grn	Crystalline, Sheared, Local		Qtz-Fx-Se-Ch-Bi	**Granodiorite:** Mod to local strong Se alteration & penetrative shear fabric at 030 - 040° TCA. 8/10 calcite cracks/m.
48.40	51.04	Wht-gry-pale grn	Crystalline Massive		Qtz-Fx-Bi-Ch & Se	**Granodiorite:** Relatively fresh passing gradationally downhole to increased Se & Ch alt.
51.04	51.82	Wht-gry-cream	Sheared, Veined		Qtz-Se-Ch-Bi	**Shear:** Strongly Se altered with penetrative shear fabric at 040 - 050° TCA. 51.82 EOH
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	2.13	13.57	Foliation	050° - 070°	Penetrative	Penetrative foliation better developed in fine grained to very fine grained sections.
			Veining	030° - 060°	Fol II	Mm to local cm-scale Qtz ± Py ± Mag stringers.
			Local shearing	variable	Proximal	Proximal to Qtz stringers.
			Calcite veinlets	030°	Fizz	Healed calcite cracks or mini veinlets.
	13.57	15.99	Shearing	030° - 050°	Penetrative	Strong passing downhole to locally intense proximal to Qtz stringers.
			Qtz stringers		mm-cm scale	Variable orientation with/without Mag-Py.
			Fracs	040°	Penetrative	Generally open. Chlorite ± calcite coated, rough, II to foliation.
			Foliation	050° - 070°	Penetrative	Better developed in fine grained bands.
	15.99	16.49	Shearing	030°		Sheared upper main vein contact.
			Fracs	020°		Open mag coated fractures.
	16.49	18.29				Core loss

	18.29	27.43	Fracs	020° - 050°	Open/Rough	Chlorite ± calcite coated; 1-2/m.
			Cracks	020°	Healed	Healed calcite fracs or micro veinlets; 2-3/m.
			Shears		Strong	Local strong shearing & alteration to Qtz stringers.
	27.43	29.34	Bx		Irregular	Possible intrusion breccia or alt. overprint
	29.34	34.65	Cracks		Healed	Calcite cracks
			Qtz stringers			Cm-scale Qtz stringers,
			Local shearing	030°		
	34.65	37.15	Fracs	020° - 030°		Closely-spaced
	37.15	38.02	Local shearing	040° - 050°		Strong Se alt.
			Qtz stringers			Stockworked w/ Qtz-Ch±Py
	38.02	40.70	Local shearing	030°		
			Cracks		Healed	Calcite cracks
			Fracs	050°	Open/Rough	Orthogonal
	40.70	51.82	Local shearing	030°	Penetrative	Shear fabric
			Cracks		Healed	Calcite cracks
			Fracs	030°	Open/Rough	Orthogonal
			Qtz stringers			Cm-scale Qtz ± Py stringers,
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	2.13	5.08	Ch-Bi-Py			Weak Chlorite, weak biotite.
	5.03	13.57	Ch-Se-Bi-Py			Weak Se & Ch alteration. Pale brown cast. Weak - mod Bi.
	13.57	14.54	Se-Ch-Bi-Py			Sericite alteration strong to intense. Pronounced proximal to Qtz stringers, mod Bi.
	14.54	15.99	Se-Ch-Bi-Py-Talc-Clay			Alteration increasing downhole. Extreme Se. Soft. Talc. Clay.
	15.99	16.49	Si-Ch-Sx			Main Vein.
	16.49	18.29				Core loss.
	18.29	22.05	Se-Ch-Py			Se passing downhole from strong to moderate.
	22.05	25.54	Se-Ch-Py			Se passing downhole from moderate to weak.
	25.54	27.43	Se-Ch-Py			Weak Se. Local strong & shearing proximal to Qtz stringers.
	27.43	29.34	Bi-Se-Ch-Py			Unusual Bi. Splotchy, patchy alteration fabric.

	29.34	32.13	Ch-Se-Bi-Py-Ce			Patchy mod Chlorite. Few calcite veinlets.
	32.13	34.65	Ch-Se-Si			Loal strong Ch+Se+Si alteration. Proximal to shearing.
	34.65	37.15	Ch-Se-Bi			Weak alteration.
	37.15	38.02	Se-Ch-Si			Local strong Se alteration proximal to shears.
	38.02	38.51	Se-Ch-Si-Py			Qtz stockworking in Se altered interval.
	38.51	40.70	Se-Ch-Ce			Local strong alteration/shearing. Calcite micro veinlets.
	40.70	42.81	Ch-Se-Py			Weak alteration.
	42.81	51.82	Ch-Se-Si-Py±Ce			Mainly weak Se - Ch ± Py alteration with narrow intervals of strong Se-Ch alteration & shearing from 43. 52-48.40m, and 51.04-51.82.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	4.53	5.03	Py-Mag		<1%	Qtz Sx stringer at 050° TCA.
	6.25	6.64	Py-Mag-Sp		<2%	Qtz Sx stringers at 050° TCA.
	13.57	14.54	Mag-Py		<2%	Qtz Sx stringers at 020° TCA and 050° TCA.
	14.54	15.24	Mag-Py		<5%	Qtz Sx stringers at 020° TCA and 030° TCA.
	15.24	15.44	Py		<1%	Rubble and core loss.
	15.44	15.99	Mag-Py		<2%	Broken, fractured, stockworked Qtz & altered wallrock.
	15.99	16.49	Mag-Py		<15%	Massive Mag closts & aggregates as stringer within vein.
	16.49	18.29				Core loss.
	18.29	20.96	Py±Mag		<1%	Altered FW Granodiorite.
	20.96	22.05	Py±Mag		<1%	Less altered FW Granodiorite.
	37.15	38.02	Py		<1%	Stockworked/veined. Weakly Py mineralized.
	38.02	38.51	Py-Mag-Cpy		<5%	High angle Qtz vein at 030° TCA.
	38.51	39.71	Py		<1%	FW to vein. <1% Py.; diss & clotty.

Company:	Golden Odyssey					Date(s) Drilled: Oct. 31 - Nov. 1/09
Project:	Deer Horn	Site AA		Azimuth:	270	Date(s) Logged: Nov. 2-3/09
Hole:	DH09-095			Dip:	-45	Start of Hole: 1.52 m
Collar Location:		613910	5913914	Elevation:	1285	End of Hole: 35.05 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0	1.52					**CASING**
1.52	12.11	dark grey to brownish-grey	foliated, sheared, mylonitized		fs qz hb cl bt py	**Quartz Diorite:** dark grey to brownish-grey, strongly foliated, sheared to mylonitized, medium-grained, diorite to quartz diorite; epidote-rich bands in upper 5 m of interval; cut by sheeted qz+/-py stringers; sparse traces of porphyroblastic pyrite; joints lined with chlorite
12.11	13.11	pale grey	sheared		qz se py cp sp gn	**Shear Zone:** HW to vein below; interval of silicified and sericite-altered qz di cut by narrow stringers of white qz+/-py-sp-cp-gn
13.11	14.32	white to pale grey locally greenish white	massive, banded		qz-mg-cl with cp-py-sp +/-gn	**Quartz Sulphide Vein:** massive to sulphide-banded white quartz vein with traces of chlorite and sericite, carrying traces of disseminated and fracture-controlled bands of magnetite and of intergrown chalcopyrite, pyrite and sphalerite
14.27	14.79	pale greenish grey	foliated		qz se py	**Quartz Sericite Rock:** intensely quartz-sericite altered granodiorite(?) with traces of disseminated pyrite; cut by quartz stringers carrying traces of pyrite
14.79	15.77	white	massive		qz	**Quartz Vein:** discrete, white quartz vein at 5 to CA; shattered to heavily fractured, cutting quartz-sericite rock
15.77	18.42	pale greenish grey	foliated, sheared		qz se py	**Quartz Sericite Rock:** FW to vein above, cut by sparse quartz+/-sulphide veinlets to 1 cm wide and late-stage calcite-filled fractures; isolated sections are less deformed and retain igneous crystalline texture
18.42	21.49	pale grey-green	crystalline, foliated, sheared		qz se cl cy py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers; feldspars locally appear chalky reflecting clay-altered; minor shear zones locally - similar to the one described above
21.49	22.07	pale greenish grey	foliated, sheared		qz se py	**Quartz Sericite Rock:** cut 6-7 quartz+/-sulphide stringers and minor stockwork veinlets with sparse traces of disseminated cp, sp py and mo;

22.07	23.55	pale grey-green	crystalline, foliated, sheared		qz se cl cy py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic (or an effect of alteration); variably sericite altered and intensely foliated to sheared peripheral to qz-sx stringers;
23.35	25.50	pale grey-green	foliated		qz se	**Quartz Sericite Rock:** intensely qz-se altered granodiorite
25.50	26.10		massive		qz cl py sp cp	**Quartz Sulphide Vein:** narrow quartz vein with 6-8% py, 0.5-1% sp and tr-0.2% cp
26.10	32.32	pale grey-green	crystalline, foliated		qz se cl bt py	**Granodiorite:** m to c grained, equigranular to weakly porphyritic; variably sericite altered with narrow foliated to sheared zones that enclose qz stringers;
32.32	33.80	grey	brecciated		qz se cl bt	**Intrusion Breccia:** rounded to sub-angular clasts of bleached and silicified granodiorite in a matrix of grey, silicified granodiorite;
33.80	35.05	pale grey	crystalline		qz se cl bt py	**Granodiorite:** m grained, equigranular, with traces of disseminated py; cut by < 1 cm qz veinlets carying tr amounts of cp, sp, and py;
	Structure:					Notes:
	From or @	To	Type	TCA	Condition	
	2.96		shear / foliation	48	smooth	fol in qz di
	5.39		sheeted veins	57		
	10.56		foliated / shear	45		
	9.00	9.52	sheeted veins	22, 30		both orientations cut foliation
	13.11		joint	66	planar	coincides with upper contact of vein
	13.21		joint	49		chlorite-lined joint cutting vein
	14.12		sx banding	17		individual monomineralic, semi-continuous bands
	14.32		vein ctc-lower	64	banded	qz stringer invades base of larger, earlier qz vein
	14.79		massive qz vein-upper	22		
	15.57		joint	38	rough	in quartz vein; multiple parallel joints spaced ~ 8 cm apart

	15.82		massive qz vein-lower	12		
	16.15		fracture	19	rough	< 2 mm calcite-filled fracture
	17.78		foliation	18	planar	adjaccent to, and cut by, 1 cm qz stringer
	22.19		joint	19	planar	
	21.49		joint	28	planar	same as vein orientation
	26.82	29.08	joint	0-5	irregular	lined with calcite
	31.45		joint	10		lined with calcite
	32.87		Fault	30		narrow clay gouge
	33.8		lower ctc of	21		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	1.52	7.57	d, ep, si	locally		
	7.51	12.11	bt			
	12.11	13.11	si+/- se			
	14.32	26.10	se, qz, cl +/- ep			
	26.1	32.32	bt, cl, ep, se, cy			spotty, secondary biotite; otherwise zone of weak to moderate cl se alteration, with local silica-sericite with pyrite as disseminations and fracture fillings
	32.32	33.80	si, cl, cy, bt			siliceous matrix to intrusion breccia; traces of v f gr py
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	5.20	5.63	sheeted veins	disseminated		zone of closely-spaced, pale pink sheeted qz veinlets with traces of py; cutting strongly foliated to sheared to mylonitized quartz diorite
	9.00	9.52	sheeted veins	disseminated		sheeted qz veins with traces of intergrown py-cp-sp-gn; veins account for 5-10% of sample interval
	12.11	13.11	HW-sheeted veins	disseminated		pale grey, sheared and silicifed quartz diorite cut by qz veins with 3-4% mg, 0.5% cp, 0.5% sp and tr-0.5% py
	13.11	19.85	vein	disseminated		c-gr clots of mg, in part intergrown with cp and py
	13.85	14.32	vein	banded	qz-ch-mg	white to pale grey qz w bands of mg and of intergrown cp (0.5%), py (tr-0.5%) and sp (tr 0.5%)

	14.32	15.82	vein	disseminated		traces of cp, py and sp developed mainly on FW selvage of qz vein and also in <1 cm envelope to vein; note vein is at accute angle to CA
	23.54	24.19	silicified shear zone	vein		0.5% py, tr-0.5% mg and traces of sp and cp in qz
	25.50	26.10	vein			discrete qz-sx vein cutting qz-se altered rock; vein contains 6-8% py, 0.5-1% sp and tr-0.2% cp

Company:	Golden Odyssey					Date(s) Drilled: Nov 1-2/09
Project:	Deer Horn			Azimuth:	180	Date(s) Logged: Nov 2-3/09
Hole:	DH09-096			Dip:	-55	Start of Hole: 1.52 m
Collar Location:		613910	5913914	Elevation:	1285	End of Hole: 53.04 m

Lithology:

From	To	Colour	Texture	Mm Grade	Mineralogy	Notes:
0.00	4.57					**CASING:** Overburden, Cave & rubble.
4.57	7.32	Blk-pale Grn	Foliated, Massive			**Cave:** drill ground rubble; & fine grained, black & pale green, Ch & Se altered foliated pieces of Qtz diorite.
7.32	10.36	Blk-local pale Grn-pale Brown cast	Foliated, Massive		Qtz-Fx-Mf-Bi±Ch±Se±Py	**Quartz Diorite:** Very fine to fine grained. Well foliated. Weak Ch-Se±Si alteration throughout. Local strong to intense Se & Ch alteration. Shearing in narrow 2-5cm intervals. Sometimes but not always proximal to narrow mm Qtz stringers. Shear fabric II to foliation at 030 - 040° TCA. Drill block markers changed 2', mistake somewhere. Changed from 32-34' (add 2'). Minor diss Py.
10.36	16.41	Blk-local pale Grn (patchy), pale Brown cast	Foliated, Massive		Qtz-Fx-Mf-Bi±Ch±Se±Py	**Quartz Diorite:** Diminishing patchy Chlorite alteration. Some banding evident. Alternating very fine grained to fine grained to local coarse grain size. Foliation less penetrative in coarser bands. Minor diss Py, rare clotty Py. Distinctive lack of Qtz stringers from top of hole to Granodiorite contact. Unusual increasing Bi alteration downhole; weak to mod. Foliation fabric at 060 - 070° TCA & 020 - 040° TCA.
16.41	16.81	Gry-Grn-Wht	Brecciated		Gouge	**Breccia:** Healed. Fault gouge. Chlorite/Calcite (vigorous fizz). Shear fabric penetrative at 030° TCA.
16.81	18.43	Blk-pale Grn-pale Brown	Foliated		Qtz-Fx-Mf-Bi-Ch-Se±Py	**Quartz Diorite:** As above. Chlorite alteration increasing downhole to mod but generally patchy or discontinuous.
18.43	20.49	Blk-pale Grn-pale Brown	Foliated, Sheared		Qtz-Fx-Mf-Bi-Ch-Se±Py	**Quartz Diorite:** Increasing penetrative shear fabric. Mod to strong Chlorite alteration. Shear fabric @ 050° TCA. Very little Qtz veining; few small sweats & odd mm scale stringer. Stringers II to foliation/shearing. Sericite more obvious. Fine diss Py throughout; <1%. Strong Chlorite coated fracs II to foliation; 3-5/m.
20.49	21.37	Pale Gry-pale Grn	Foliated, Sheared		Qtz-Bi-Ch-Se±Py±Ce	**Quartz Diorite:** Mod passing downhole to strong & intense Chlorite-Sericite alteration and shearing. Shear fabric at 030 - 050° TCA. Numerous minor veinlets of calcite at 030° TCA. Discordant & cross-cutting foliation/shear fabric.
21.37	21.37	Wht-pale Grn-pale Gry	Sheared		Se-Ch-Qtz	**Disconformity:** Contact between Qtz diorite & underlying granodiorite marked by intense Sericite & Chlorite alteration & shearing at 040° TCA & 2cm wide zone of mm scale qtz stringers II to fabric. No main vein or mineralization.
21.37	22.37	Pale Gry-pale Grn	Shearing, Massive, Crystalline		Qtz-Fx-Bi-Ch-Se±Py	**Granodiorite:** Extreme shearing & Sericite/Chlorite altered Rx passing within 20cm downhole to massive crystalline, coarse grained, Chlorite & Biotite altered Granodiorite. 1-2mm scale Qtz stringers/m.
22.37	23.72	Pale Gry-pale Grn	Crystalline, Massive, Sheared		Qtz-Fx-Bi-Ch-Se±Py	**Granodiorite:** Coarse grained to psuedo porphyritic look. Weak-mod Ch-Se alteration. Weak Bi alteration.

23.72	24.29	Pale Gry-pale Grn-Wht	Sheared, Veined		Qtz-Ch-Se-Sx	**Granodiorite:** Extreme shearing & strong Se-Chlorite alteration enveloping 10cm wide Qtz-Sx vein at 060° TCA. Both contacts. Sx comprise Py-Cpy-Mag±Sp at upper & lower vein selvages; 2% Sx.
24.29	27.75	Pale Gry-pale Grn-local Brn patches	Massive, Crystalline		Qtz-Fx-Bi-Ch-Se±Py	**Granodiorite:** Coarse grained. Narrow intervals of strong Sericite alteration and shear fabric developed. Very little Qtz as stringers or sweats. Minor diss Py interstitial. Patchy strong Bi alteration often adjacent to narrow shear/alteration zones. Chl & Se alteration overall is weak. Fabric at 050 - 060° TCA.
27.75	31.80	Pale Gry-Wht-very pale patchy green & blk	Massive, Crystalline		Qtz-Fx-Si-Ch-Se±Py	**Granodiorite:** Coarse to very coarse grained. Chlorite-Sericite alteration of Fspars. Weak patchy Biotite alteration of mafic content. Overprint of Chlorite-Sericite. Cm-scale, narrow intervals of strong sericite alteration/shearing proximal to mm-scale Qtz stringers. Minor Py in Granodiorite matrix as diss, occasional clots & minor Py at vein selvages.
31.80	32.50	Pale Gry-cream-Wht	Sheared, Altered Fabric		Qtz-Se-Ch-Bi	**Granodiorite:** Strongly Sericite altered/sheared w/ penetrative fabric @ 040° TCA. 3mm Qtz stringers.
32.50	32.84	Pal Gry-Wht	Crystalline, Massive		Qtz-Se-Ch-Bi	**Granodiorite:** Crystalline but mod to strongly Chlorite-Sericite altered.
32.84	33.55	Pale Gry-cream-Wht	Sheared, Altered, Veined		Qtz-Se-Ch-Bi-Py-Si	**Granodiorite:** Strong to locally intense Sericite alteration. Shearing proximal to mm to cm scale Qtz±Py stringers. Shear fabric penetrative at 030 - 050° TCA. 6-7 veins/m.
33.55	33.91	Wht-pale Gry	Crystalline		Qtz-Ch-Se	**Granodiorite:** Crystalline but silicified (mod to strong).
33.91	34.15	Wht-pale Gry	Sheared		Qtz-Se-Ch-Py	**Granodiorite:** Quartz Sericite. Strongly Se altered with penetrative shear fabric proximal to 8 cm Qtz-Py stringer at 060° TCA. Sx include Py, Cpy, Mag; up to 25% of vein.
34.15	34.75	Pale Gry-Grn-Wht	Crystalline, Sheared		Qtz-Ch-Se-Bi-Si	**Granodiorite:** crystalline but mod to strongly silicified. Minor Qtz stringers. Little apparent Se alteration/shearing.
34.75	35.00	Wht-Blk-Gry-Grn	Vein		Qtz-Sx-Bi-Ch-Se	**Quartz Sulphide Vein:** 13 cm vein in highly sheared Sericite altered Granodiorite. Sx include Mag-Py-Cpy. Trace blue sulphide (moly?). Sx content up to 40% of vein. Parallel vein contacts at 050° TCA. Crude intra-vein Sx banding 040 - 050° TCA.
35.00	35.50	Gry-Grn-Wht	Crystalline, Massive		Qtz-Fx-Se-Ch-Py	**Granodiorite:** Mainly crystalline. Massive with few mm-scale Qtz stringers & local cm-scale Se alteration/shearing at 060° TCA & parallel & proximal to Qtz stringers.
35.50	35.95	Wht-Gry-Grn	Crystalline, Massive, Veined		Qtz-Fx-Bi-Ch-Se	**Granodiorite:** stockworked/veined with Qtz & minor Py±Cpy. Random vein orientations. Strong Sercitie alteration marginal to vein walls. Patchy strong Bi alteration. <1% Sx.
35.95	39.32	Gry-Grn-patchy Blk-Wht	Crystalline, Massive, Sheared		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Mixed unit. Competent, crystalline, massive, coarse grained, w/ weak Ch-Se alteration and patchy Bi alteration; interbanded with intervals of strong shearing/pronounced Se alteration & penetrative shear fabric from 030 - 050° TCA. Shearing generally but not always proximal to mm-cm scale Qtz stringers. Unit freshening downhole.

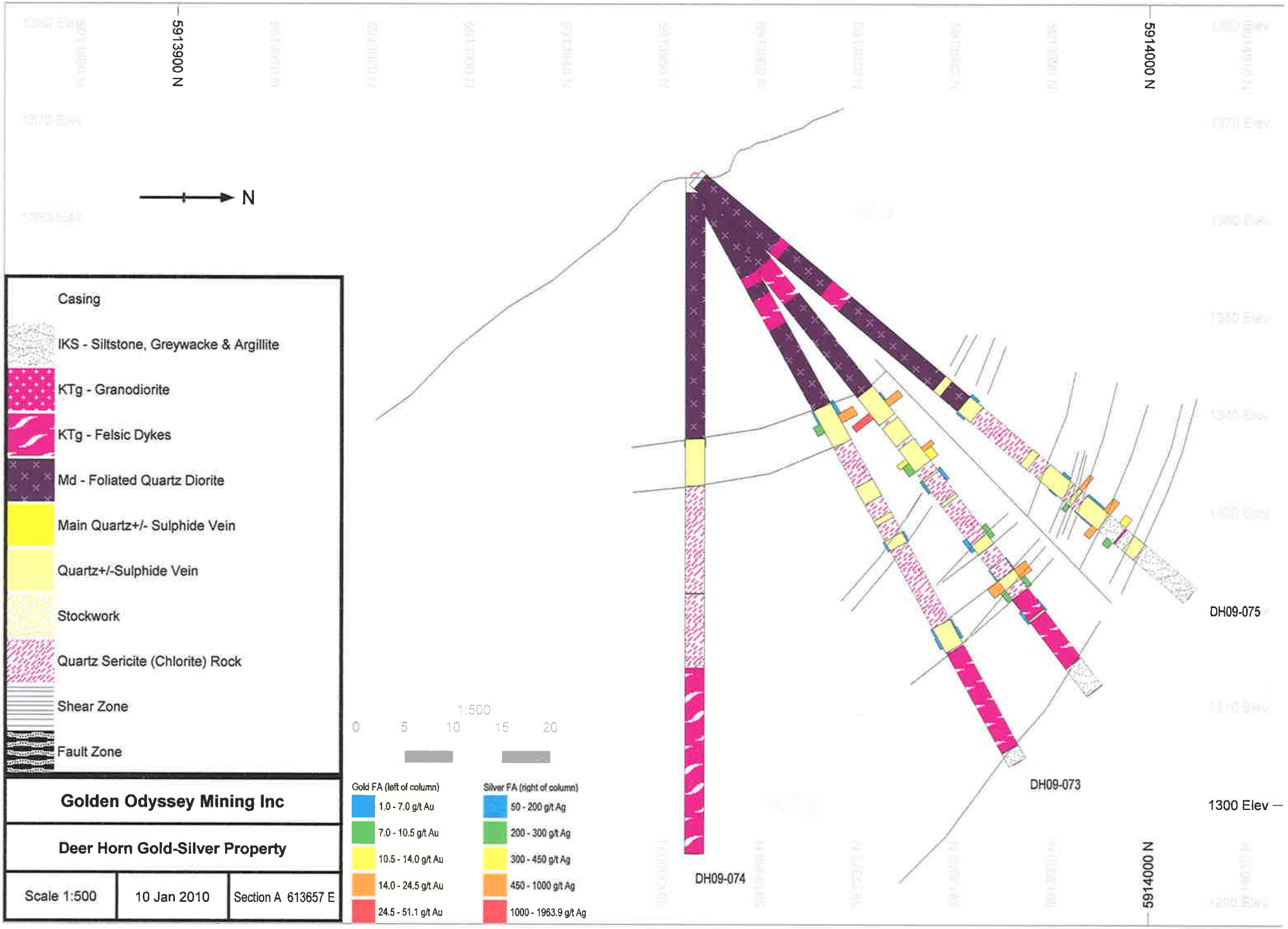
39.32	46.54	Gry-Blk-Grn-Wht	Crystalline, Massive		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Crystalline. Massive. Relatively fresh with strong but patchy Bi alteration and weak underprint of Ch-Se alteration. Mm-cm scale Qtz stringers 1-2/m. Minor diss & clotty Py±Cpy-Qtz stringers; commonly at 070° TCA; secondary pattern at 030° TCA. Very strong Bi alteration from 45.40 - 46.50m.
46.54	49.14	Gry-Wht-pale Grn-Blk	Crystalline, Sheared		Qtz-Fx-Bi-Ch-Se-Py-Mag-Cpy	**Granodiorite:** Mostly massive crystalline with narrow Se altered/sheared bands proximal to cm-scale Qtz-Py stringer at 060° TCA. Mag-Py-Cpy Qtz stringer at 47.80 (3cm wide).
49.14	49.83	Gry-Wht-pale Grn-Blk	Crystalline, Sheared		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Strong to intense Se alteration/shearing proximal to 13cm wide Qtz-Mag+Py±Cpy vein/stringer at 49.21m. Sx content 5%. Shear/vein contacts at 050° TCA.
49.83	50.32	Gry-Wht-pale Grn	Crystalline, Sheared		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Less altered & sheared than above. Few Qtz stringers.
50.32	53.04	Gry-pale Grn-Wht	Crystalline		Qtz-Fx-Bi-Ch-Se-Py	**Granodiorite:** Freshening downhole. Local strong shearing at 030° TCA. Calcite as minor veinlets at 030 - 050° TCA. Overall unit is weak Ch-Se & Bi alteration. Minor diss Py throughout. 53.34 EOH
	Structure:					Notes:
	From	To	Type	TCA	Condition	
	7.32	16.41	Foliation Shear Fabric	030-040°	Penetrative	
	16.41	16.81	Fault Gouge	030°	Healed Breccia	
	16.81	21.37	Foliation	050°	Penetrative	
			Shearing	050°	Localized	
			Fracs	050°	Open Coated	Discordant Calcite microstringers/veinlets @ 030° TCA.
	21.37		Disconformity, Shearing	040°	Fault	Fault contact.
	21.37	23.95	Fracs	Variable	Open Rough	Coated Chlorite-Sericite±Epidote.
			Shearing	050-060°	Localized	Accompanied by strong to intense Se-Ch alteration.
	23.95	24.05	Vein	060°		10cm wide Qtz-Mag-Py-Cpy±Sp vein.
	24.05	32.84	Fracs	040°	Open Rough	
			Qtz stringers	Variable		Some at 060° TCA.
			Shear Fabric	040,060°		Localized proximal to stringers. Variable orientation.
	32.84	33.55	Shearing	050°		Intense. Common at 050° TCA.
	33.55	39.32	Fracs	Variable	Open Rough	Some at 020° TCA. Long open @ 050° TCA, open Ch coated.
			Shear Fabric	030°	Penetrative	
			Qtz stringers	050-060°	mm scale	

	39.32	53.04	Fracs	Variable		See lithology notes for vein details.
			Qtz stringers	Variable		
	Alteration:					Notes:
	From	To	Assemblage	Mineral (%)		
	7.32	10.36	Ch-Se±Bi		Weak Patchy	Local strong to intense Se & Ch in narrow 2-5cm intervals.
	10.36	16.41	Ch-Py-Bi		Very Weak - Weak	Diminishing patchy Chlorite, increasing Bi.
	16.41	16.81	Ch-Se-Cy		Strong	
	16.81	18.43	Ch-Se-Bi-Py		Patchy to Weak	Local mod.
	18.43	20.49	Ch-Se-Py		Mod to Strong	Weak Py.
	20.49	21.37	Ch-Se		Strong to Intense	Weak Py.
	21.37	21.37	Ch-Se-Py-Si		Intense	Weak Py. Contact.
	21.37	22.37	Ch-Se-Bi-Py		Strong to Intense	Mainly at or within 20cm of contact. Weak Bi & Py.
	22.37	23.72	Ch-Se-Bi-Py		Weak to Mod	Weak Bi.
	23.72	24.29	Se-Ch-Bi-Py		Weak to Intense	Local intense Se.
	24.29	27.75	Ch-Se-Bi-Py		Weak Local	Strong.
	27.75	31.80	Ch-Se-Bi-Py		Weak	Narrow interval of strong to intense Se.
	31.80	32.50	Se-Ch-Bi-Py		Strong	
	32.50	32.84	Se-Ch-Bi-Py		Mod to Strong	Weak Py.
	32.84	33.55	Se-Ch-Bi-Py		Mod to Intense	
	33.55	33.91	Ch-Se-Py-Bi-Si		Weak	Mod patchy silicification overprinting weak Ch-Se±Py.
	33.91	34.15	Se-Ch-Bi-Py		Strong Se	
	34.15	34.75	Se-Ch-Si-Bi		Weak Se + Ch	Mod patchy Si. Weak Py.
	34.75	35.95	Se-Ch-Si-Bi		Weak Se + Ch	Weak patchy Si. Weak Py.
	35.95	39.32	Ch-Se-Bi		Weak Se-Ch-Bi	Intervals of strong Se alteration proximal to shears/veinlets.

	39.32	46.54	Ch-Se-Bi-Py		Weak	Strong but patchy Bi.
	46.54	53.04	Ch-Se-Bi-Py		Weak to very Weak	Narrow Se altered/sheared bands - passing downhole to fresh.
	Economic Minerals:					Notes:
	From	To	Style 1	Style 2	Mineral (%)	
	16.41	16.81	Py±Cpy		<1%	Healed gouge. <1% Py. Trace Cpy.
	20.49	21.37	Py		<1%	Sheared & altered. HW. Qtz diorite.
	21.37	22.37	Py		<1%	Sheared & altered. FW. Qtz diorite.
	23.72	24.29	Py-Cpy-Mag±Sp		<2%	Sheared & altered. Granodiorite with 10cm Qtz-Sx vein.
	32.34	32.84	Py		<1%	HW. Weak alteration. Minor diss Py.
	32.84	33.55	Py		<1%	Strong alteration & Qtz stringers.
	33.55	33.91	Py		<1%	Silicified.
	33.91	34.15	Py-Mag-Cpy		25%	8cm Qtz stringer.
	34.15	34.75	Py		<1%	FW & HW.
	34.75	35.00	Mag-Py-Cpy		40%	13cm Qtz stringer.
	35.00	35.50	Py		<1%	FW - Minor Qtz stringers.
	35.50	35.95	Py		<1%	FW. Minor Qtz stockworking/veining.
	47.10	47.60	Py		<1%	HW. Minor diss Py.
	47.60	48.00	Py		<1%	HW. Clotty Py in narrow Qtz stringers.
	48.00	48.64	Py		<1%	FW. Minor diss Py.
	48.64	49.14	Py		<1%	HW. Altered, sheared. Minor Diss Py.
	49.14	49.83	Py-Mag-Cpy		5%	Sheared, altered with 13 cm wide Qtz-Sx vein @ 49.21.
	49.83	50.32	Py		<1%	Sheared, altererd. Minor Diss Py.

APPENDIX B

INTERPRETIVE GEOLOGICAL CROSS-SECTIONS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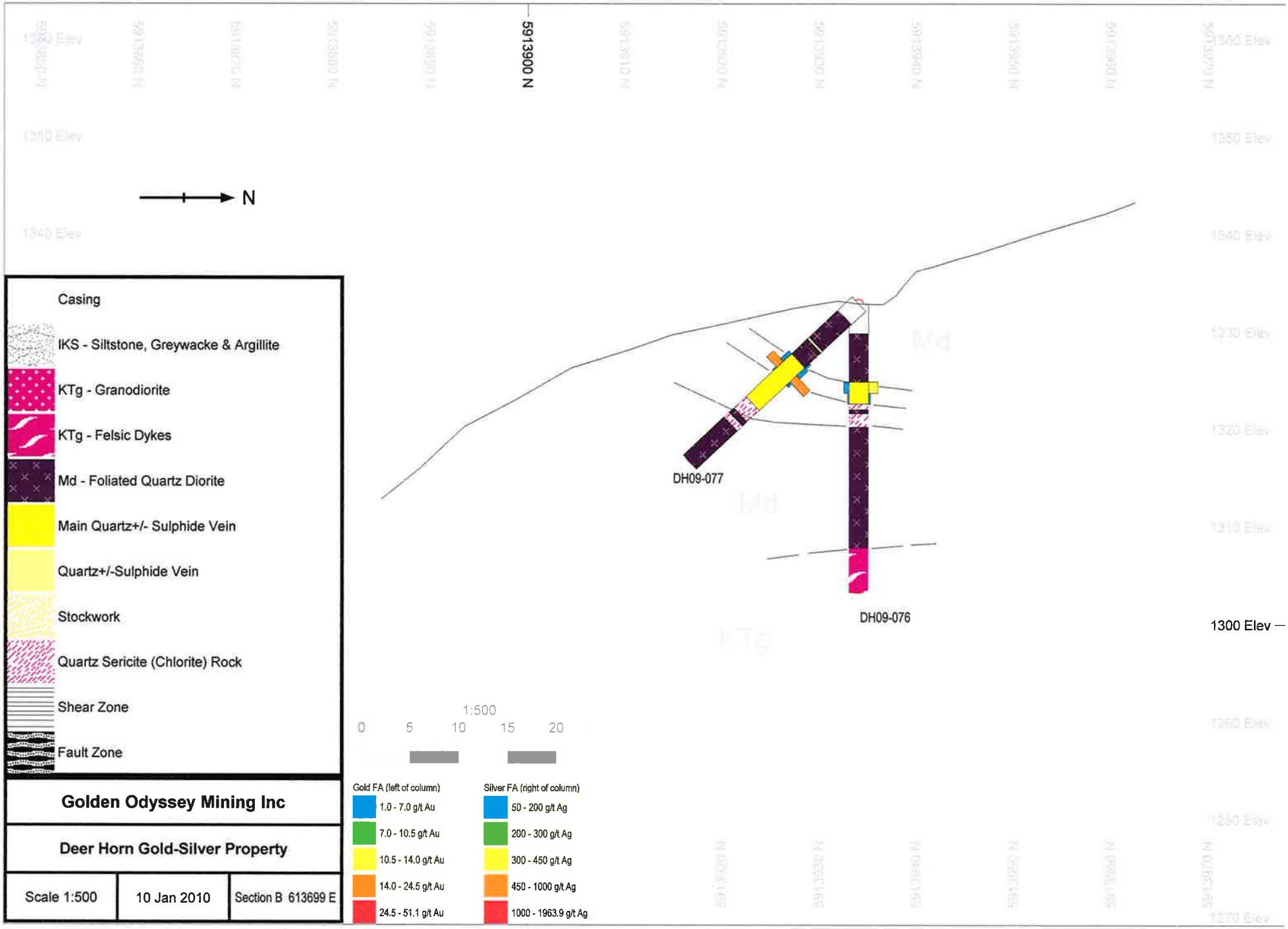
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
10 Jan 2010
Section A 613657 E
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
DH09-074
DH09-073
DH09-075
1300 Elev
5914000 N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Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
10 Jan 2010
Section B 613699 E

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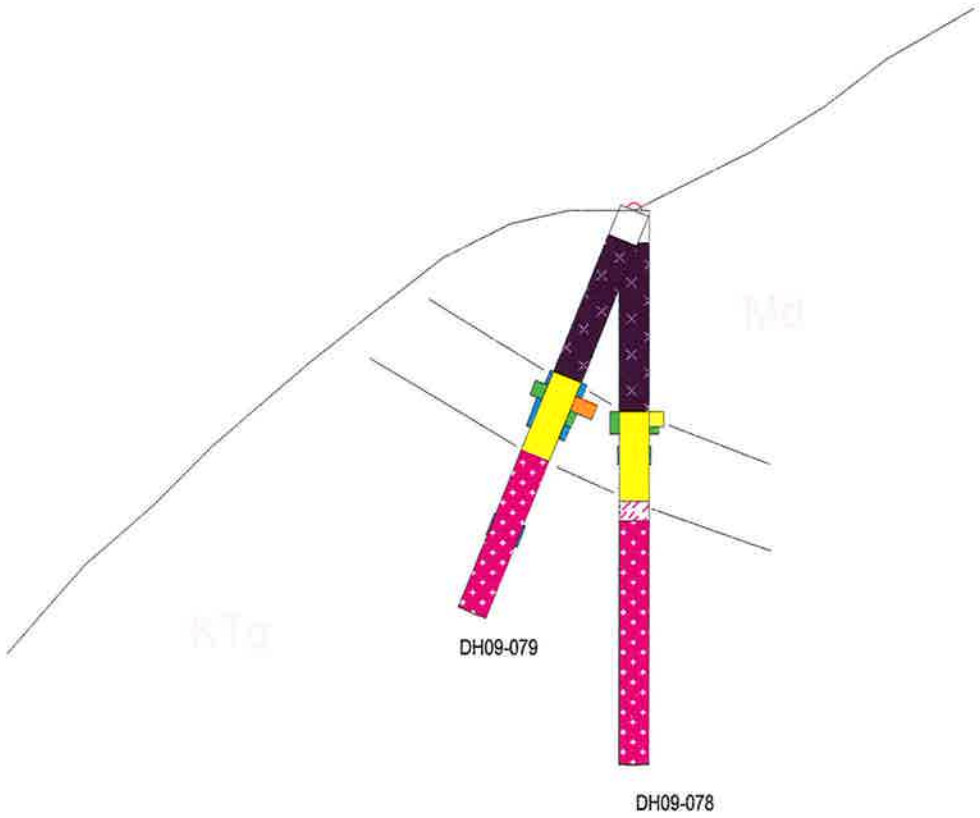
N



Casing

IKS - Siltstone, Greywacke & Argillite

KTg - Granodiorite

KTg - Felsic Dykes

Md - Foliated Quartz Diorite

Main Quartz+/- Sulphide Vein

Quartz+/-Sulphide Vein

Stockwork

Quartz Sericite (Chlorite) Rock

Shear Zone

Fault Zone

1:500

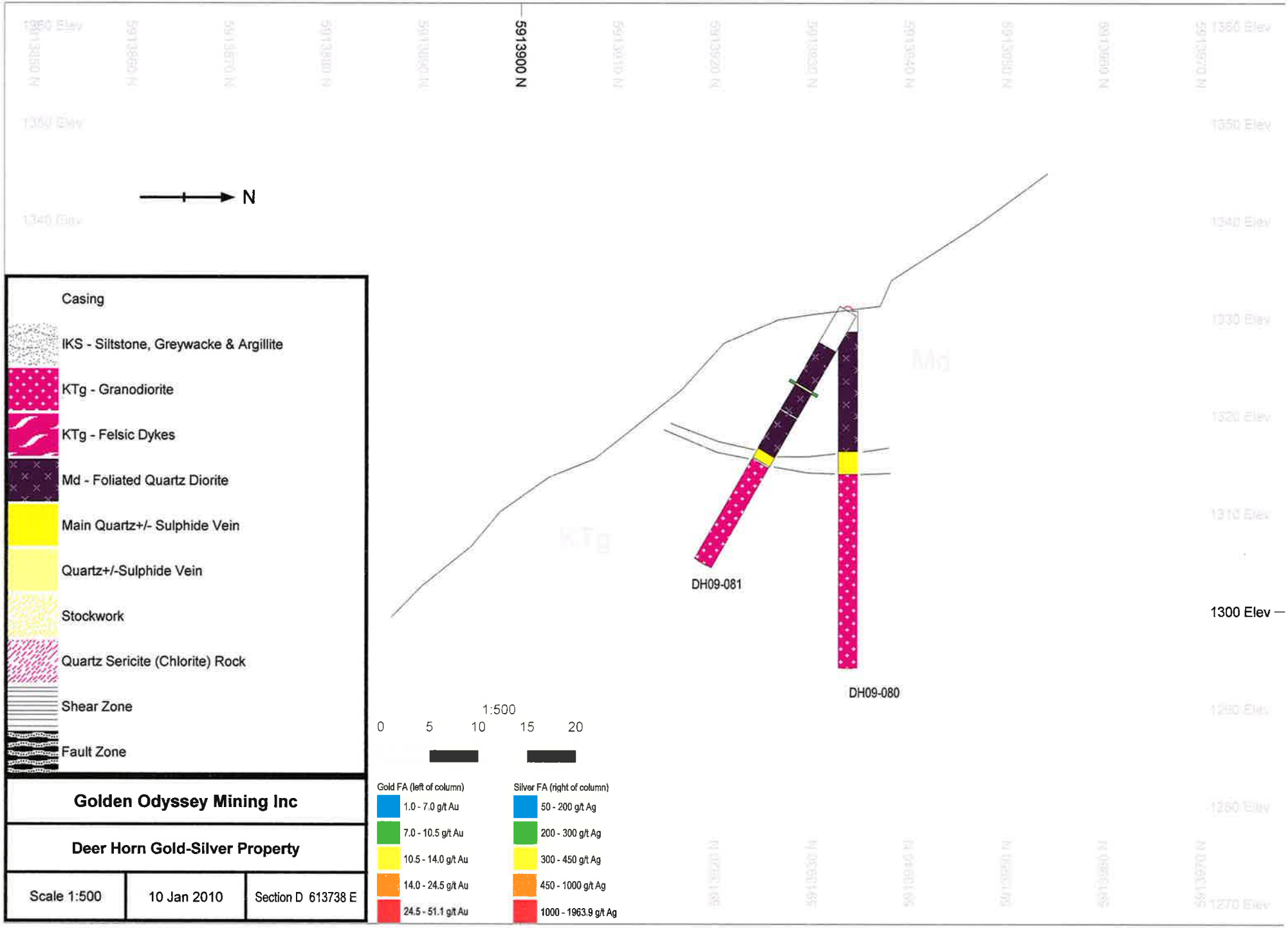
0 5 10 15 20

Gold FA (left of column)	Silver FA (right of column)
1.0 - 7.0 g/t Au	50 - 200 g/t Ag
7.0 - 10.5 g/t Au	200 - 300 g/t Ag
10.5 - 14.0 g/t Au	300 - 450 g/t Ag
14.0 - 24.5 g/t Au	450 - 1000 g/t Ag
24.5 - 51.1 g/t Au	1000 - 1963.9 g/t Ag

Golden Odyssey Mining Inc

Deer Horn Gold-Silver Property

Scale 1:500	10 Jan 2010	Section C 613718 E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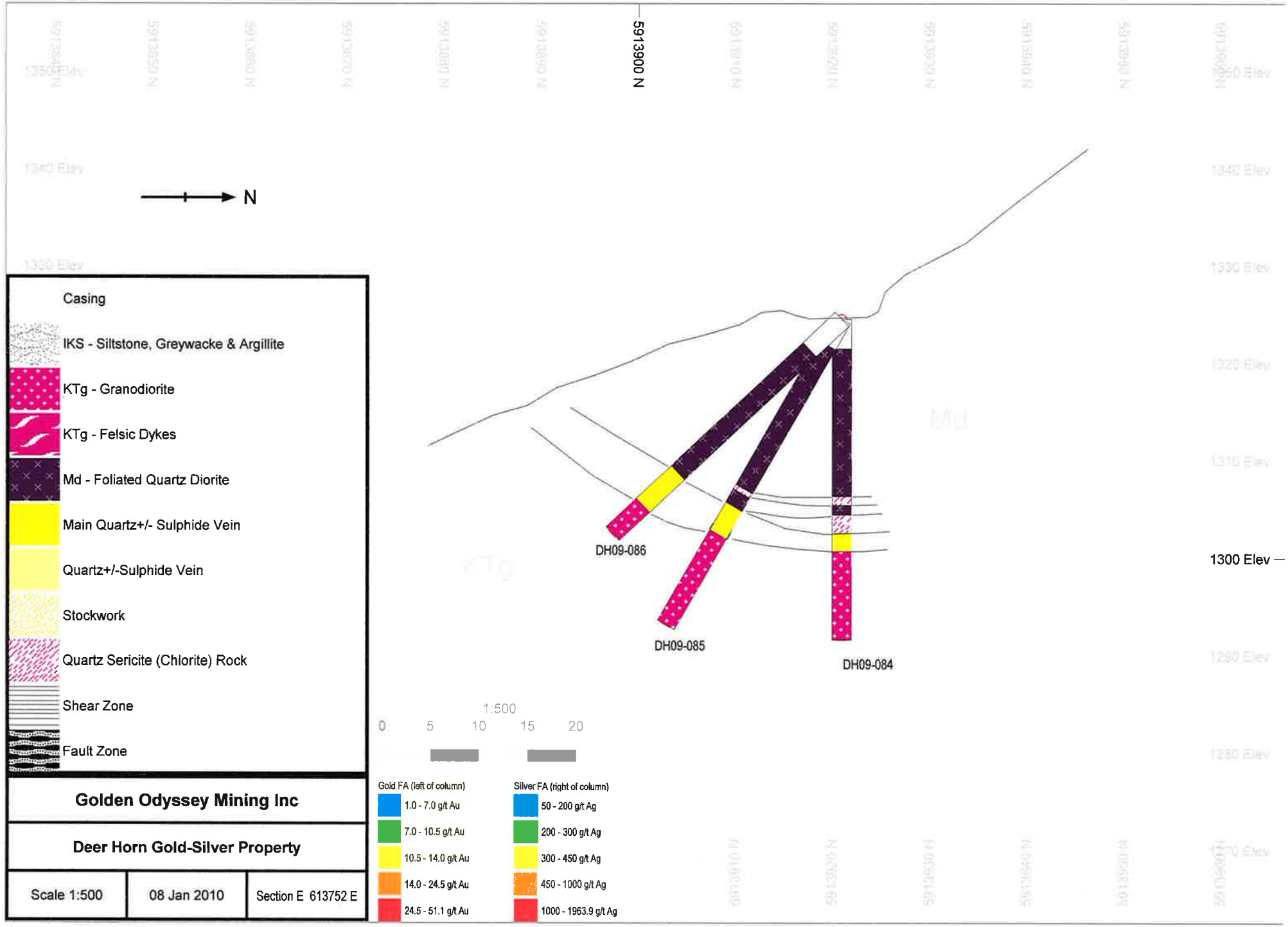
N
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
DH09-081
DH09-080
1300 Elev
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
10 Jan 2010
Section D 613738 E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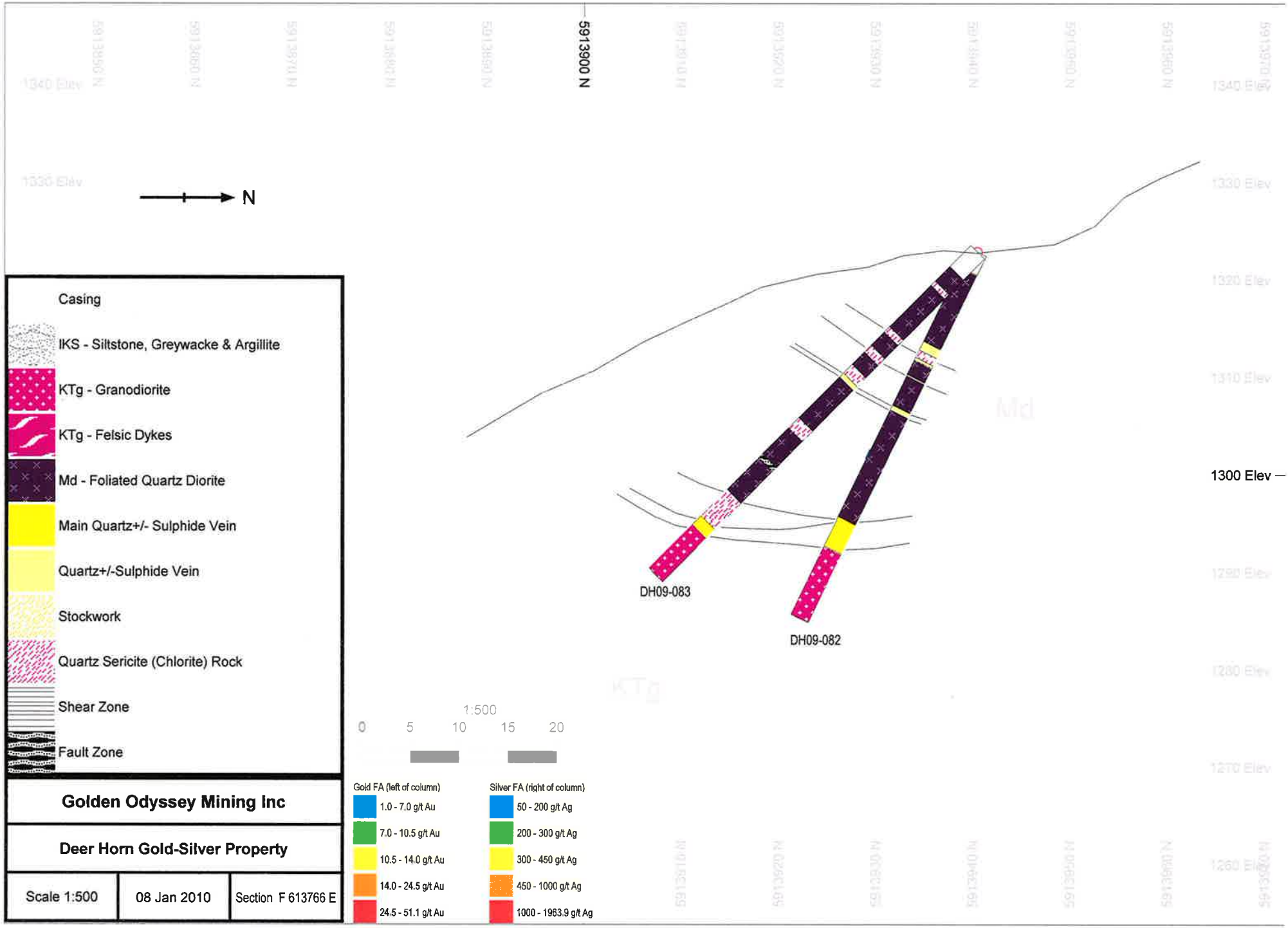
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
DH09-086
DH09-085
DH09-084
1300 Elev
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
08 Jan 2010
Section E 613752 E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N
1340 Elev
1330 Elev
1320 Elev
1310 Elev
1300 Elev
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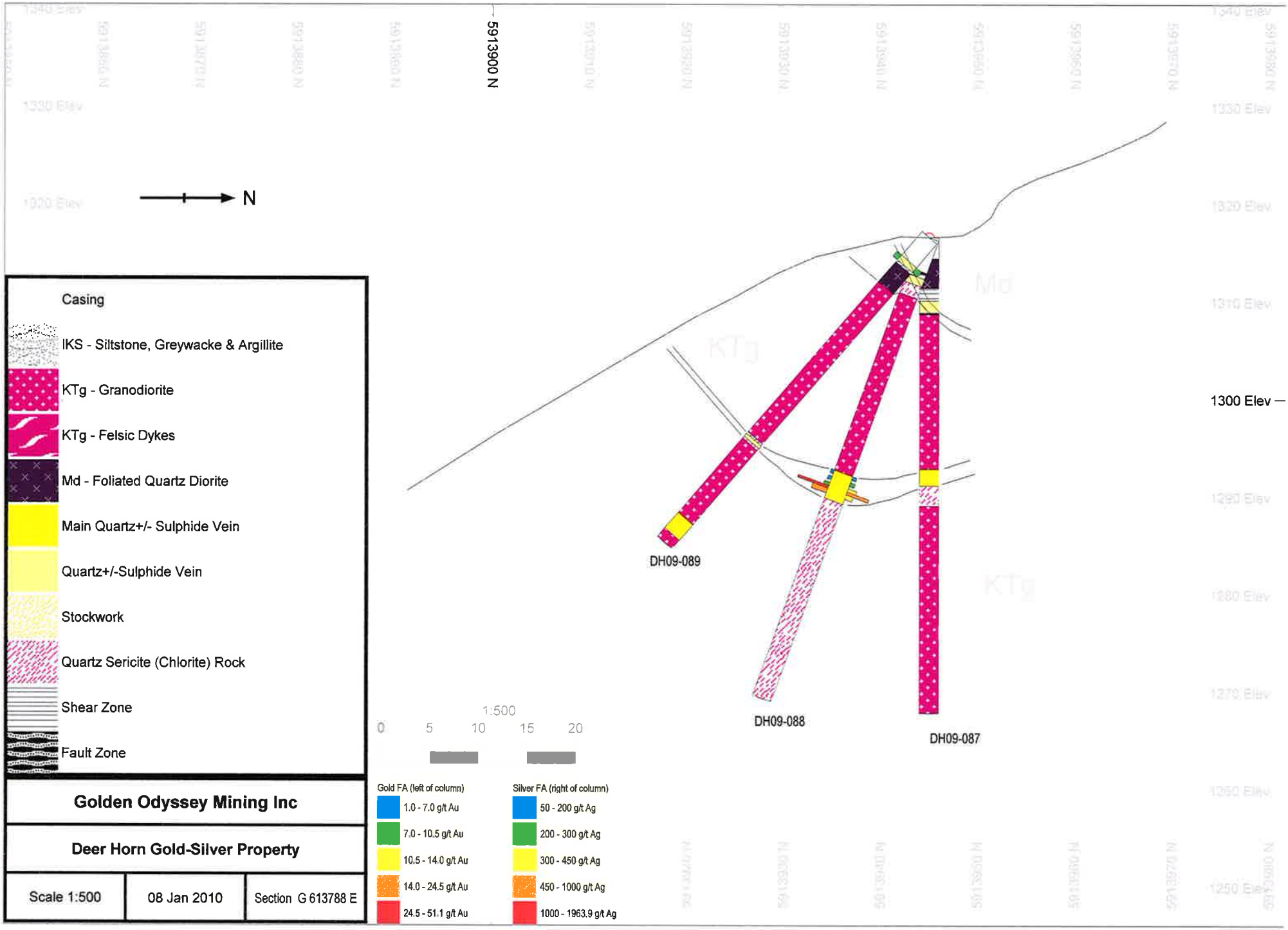
1280 Elev
1270 Elev
1260 Elev
Md
KTg
DH09-083
DH09-082
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
08 Jan 2010
Section F 613766 E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DH09-089
DH09-088
DH09-087
Md
KTg
KTg
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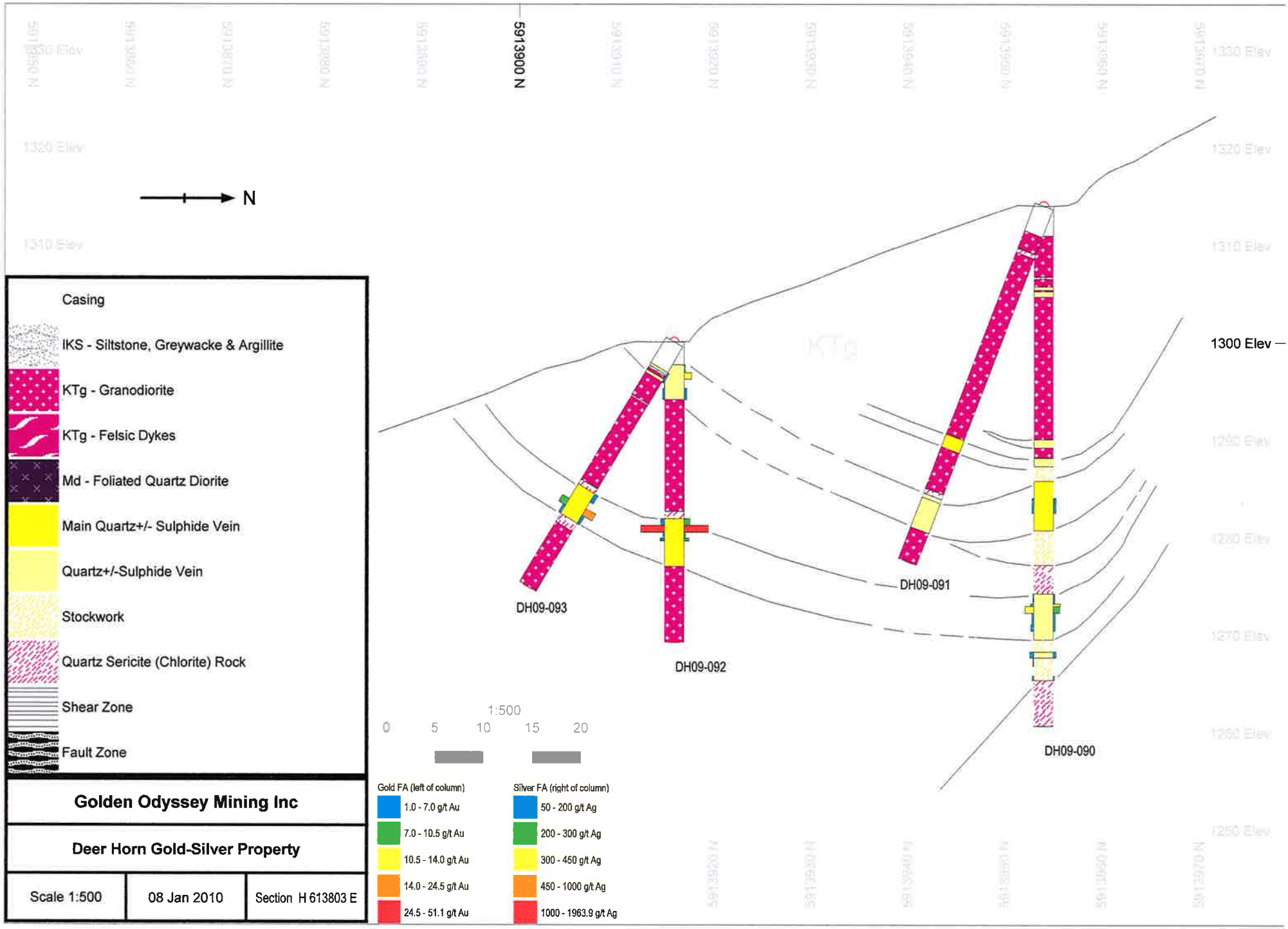
0 5 10 15 20
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
08 Jan 2010
Section G 613788 E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1320 Elev
1310 Elev
1300 Elev
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1270 Elev
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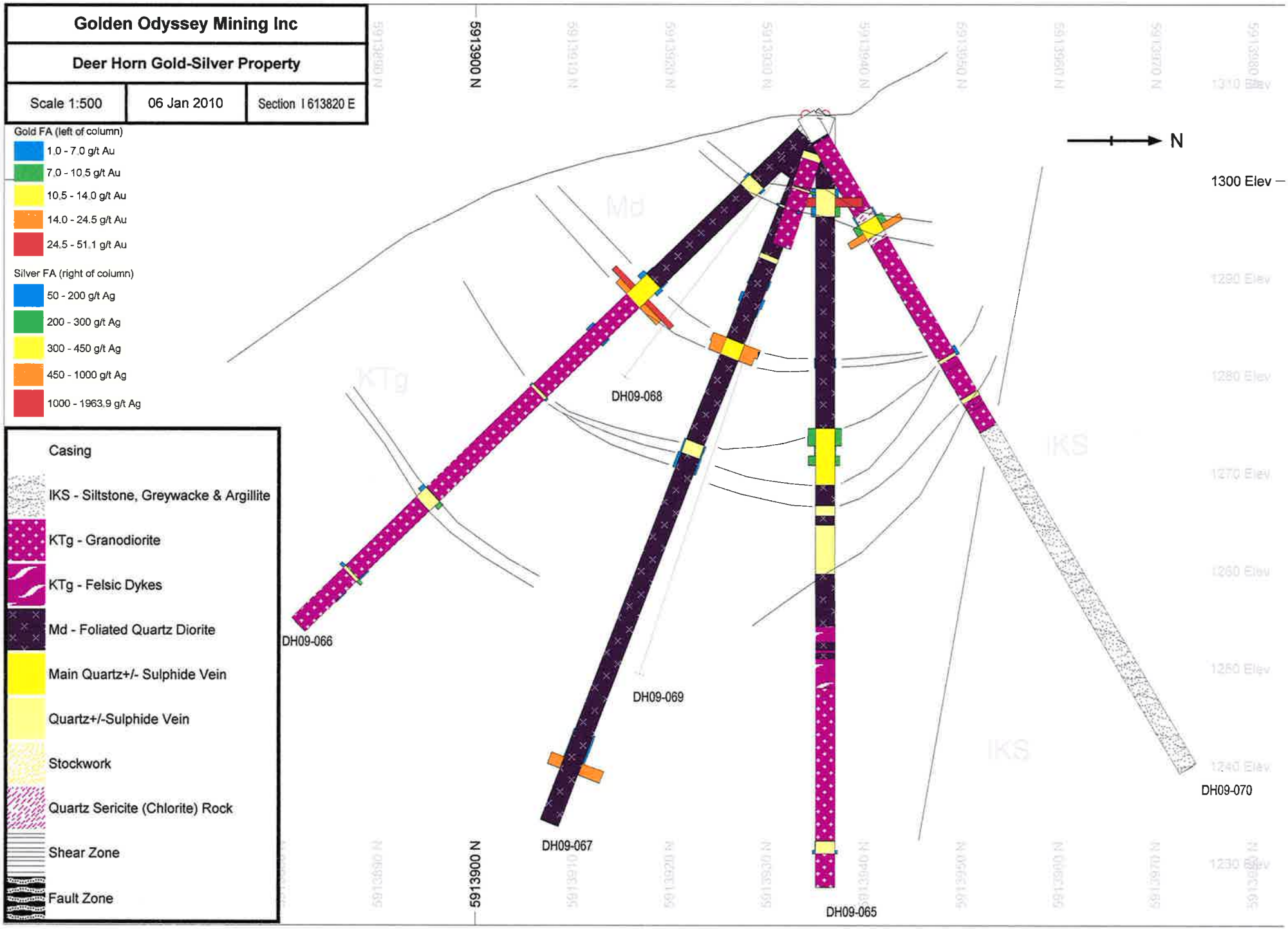
1250 Elev
DH09-093
DH09-092
DH09-091
DH09-090
KTg
1:500
0 5 10 15 20
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
08 Jan 2010
Section H 613803 E


Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
06 Jan 2010
Section I 613820 E
Gold FA (left of column)
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7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
5913900 N
5913900 N
N
1300 Elev
1290 Elev
1280 Elev
1270 Elev
1260 Elev
1250 Elev
1240 Elev
1230 Elev
Md
KTg
IKS
IKS
DH09-066
DH09-067
DH09-068
DH09-069
DH09-065
DH09-070


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1310 Elev
1300 Elev
1290 Elev
1280 Elev
1270 Elev
1260 Elev
1250 Elev
1240 Elev
N
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DH09-069
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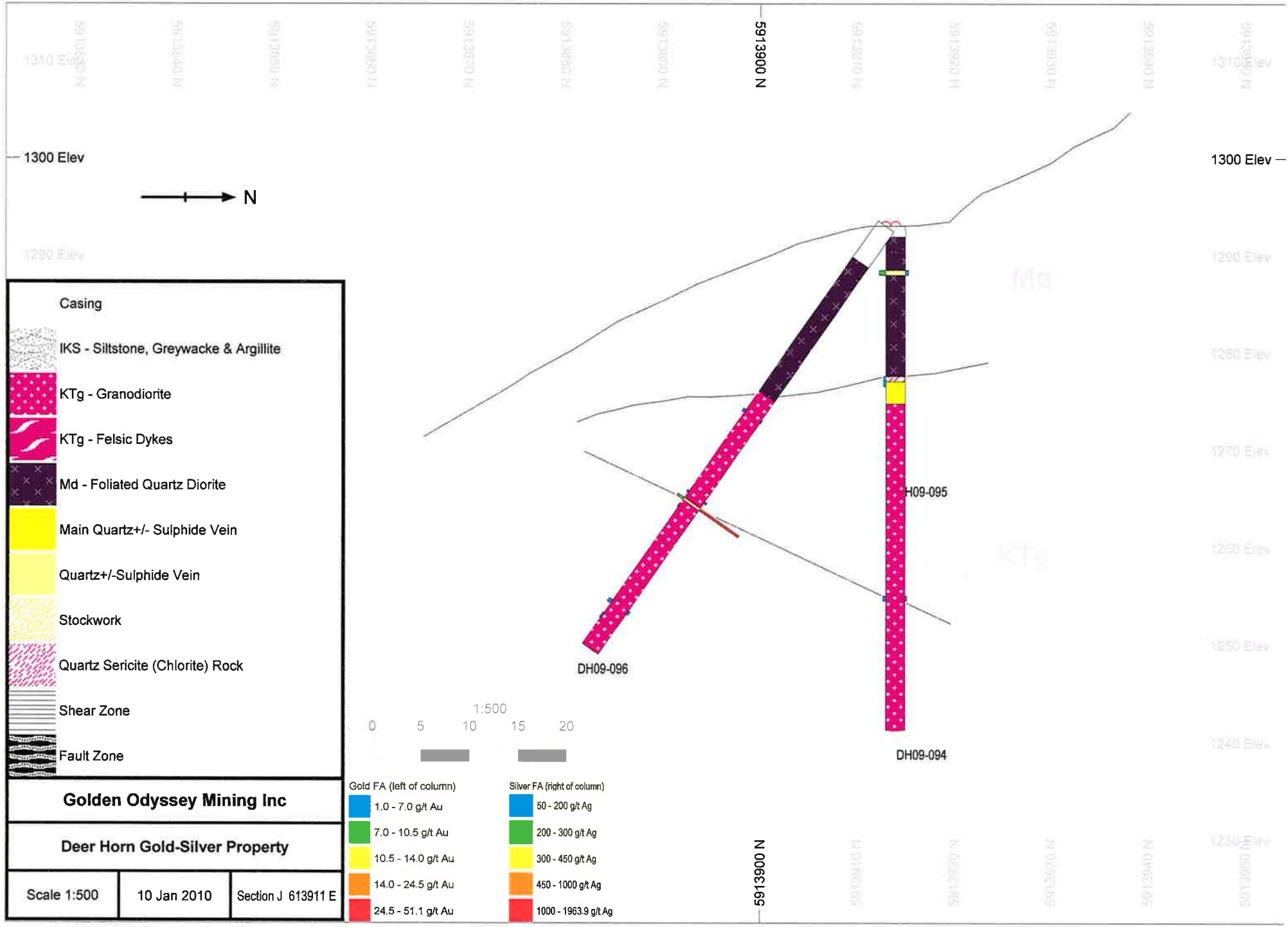
5.5
51.1
73.4
11.32
88.6
466.9
1.32
2.96
1.23
27.5
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
06 Jan 2010
Section II 613830 E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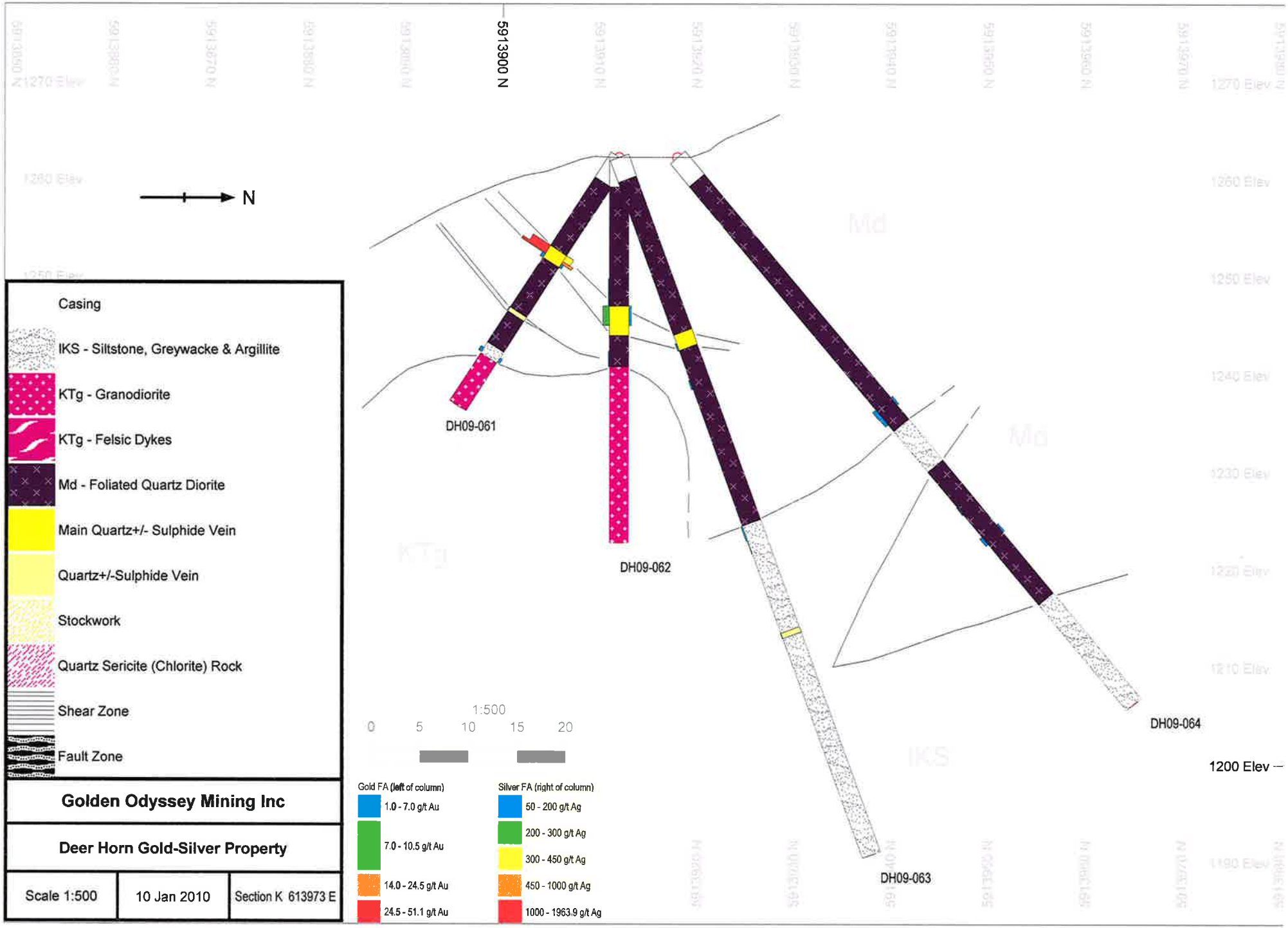
1300 Elev
1300 Elev
N
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
DH09-096
H09-095
DH09-094
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
10.5 - 14.0 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
5913900 N
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
10 Jan 2010
Section J 613911 E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DH09-061
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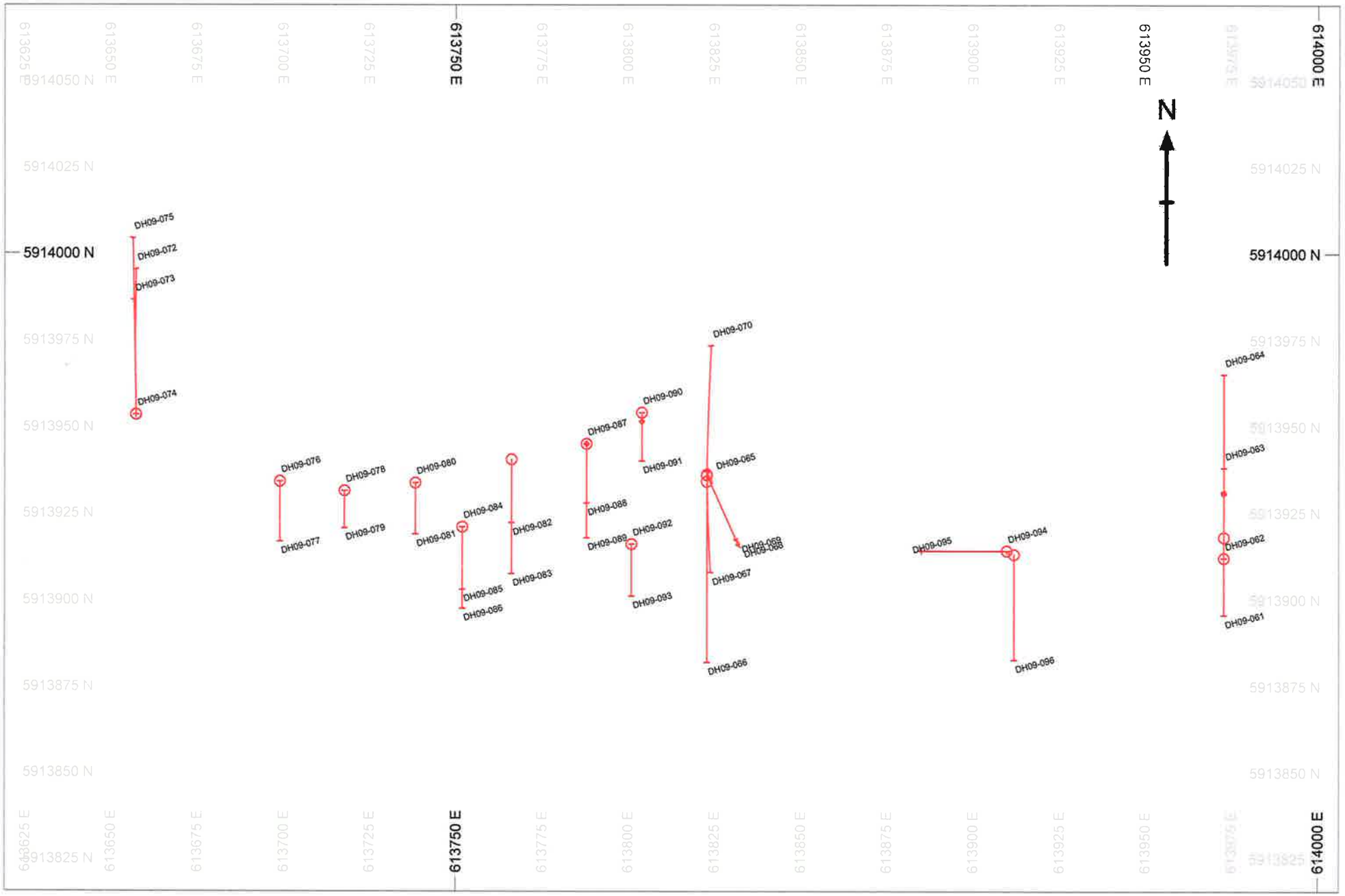
1200 Elev
1:500
0 5 10 15 20
Gold FA (left of column)
1.0 - 7.0 g/t Au
7.0 - 10.5 g/t Au
14.0 - 24.5 g/t Au
24.5 - 51.1 g/t Au
Silver FA (right of column)
50 - 200 g/t Ag
200 - 300 g/t Ag
300 - 450 g/t Ag
450 - 1000 g/t Ag
1000 - 1963.9 g/t Ag
Casing
IKS - Siltstone, Greywacke & Argillite
KTg - Granodiorite
KTg - Felsic Dykes
Md - Foliated Quartz Diorite
Main Quartz+/- Sulphide Vein
Quartz+/-Sulphide Vein
Stockwork
Quartz Sericite (Chlorite) Rock
Shear Zone
Fault Zone
Golden Odyssey Mining Inc
Deer Horn Gold-Silver Property
Scale 1:500
10 Jan 2010
Section K 613973 E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5913825 N
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DH09-062
DH09-061

APPENDIX C

DRILLHOLE ASSAY AND GEOCHEMICAL RESULTS

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-061	8.50	10.00	1.50	168302	0.07	--	--	<5	2.6	171	15	196
DH09-061	10.00	11.45	1.45	168303	0.83	--	--	13	13.8	172	6	782
DH09-061	11.45	12.15	0.70	168304	26.04	25.78	358.7	514	387.1	2232	86	2215
DH09-061	12.15	12.45	0.30	168305	35.91	34.98	497.0	879	390.7	5851	240	2148
DH09-061	12.45	12.90	0.45	168306	4.34	4.49	112.7	103	98.1	264	105	1068
DH09-061	12.90	14.50	1.60	168307	0.38	--	--	14	16.4	291	25	401
DH09-061	14.50	16.00	1.50	168309	0.50	--	--	9	13.0	449	20	1180
DH09-061	16.00	17.50	1.50	168310	0.20	--	--	<5	4.7	274	3	475
DH09-061	17.50	19.00	1.50	168311	0.16	--	--	<5	5.0	340	<2	311
DH09-061	19.00	19.50	0.50	168312	1.36	1.45	--	36	24.1	241	17	904
DH09-061	19.50	21.00	1.50	168313	0.23	--	--	5	5.1	198	<2	313
DH09-061	21.00	22.50	1.50	168314	0.02	--	--	<5	<0.1	8	<2	96
DH09-061	22.50	24.00	1.50	168316	0.01	--	--	<5	0.1	11	<2	104
DH09-061	24.00	24.50	0.50	168317	4.66	4.79	108.6	107	125.2	1327	42	368
DH09-061	24.50	26.00	1.50	168318	0.02	--	--	<5	1.4	141	29	176
DH09-061	26.00	27.50	1.50	168319	0.02	--	--	<5	0.7	86	17	95
DH09-062	11.00	12.50	1.50	168321	0.19	--	--	<5	4.6	229	7	223
DH09-062	12.50	14.00	1.50	168322	1.58	1.66	--	31	27.9	328	55	1345
DH09-062	14.00	15.30	1.30	168323	1.22	1.24	--	21	28.2	962	55	1449
DH09-062	15.30	16.30	1.00	168324	8.49	8.38	111.8	170	131.7	817	<2	333
DH09-062	16.30	17.30	1.00	168325	8.02	8.15	118.3	169	132.0	976	<2	341
DH09-062	17.30	18.35	1.05	168326	0.16	--	--	<5	1.5	22	<2	26
DH09-062	18.35	19.95	1.60	168328	0.37	--	--	10	6.3	342	31	157
DH09-062	19.95	21.55	1.60	168329	1.31	1.32	--	30	23.1	603	9	63
DH09-062	21.55	23.00	1.45	168330	0.14	--	--	<5	2.1	200	10	26
DH09-062	23.00	24.50	1.50	168331	0.22	--	--	6	4.0	255	8	38
DH09-063	14.50	16.00	1.50	168333	0.04	--	--	<5	0.4	93	<2	131
DH09-063	16.00	17.70	1.70	168334	0.04	--	--	<5	0.8	97	<2	128
DH09-063	17.70	19.10	1.40	168335	0.13	--	--	<5	2.6	290	<2	160
DH09-063	19.10	20.00	0.90	168336	0.47	--	--	10	7.0	38	<2	27
DH09-063	20.00	20.80	0.80	168337	2.21	2.16	--	35	12.9	22	<2	32
DH09-063	20.80	22.00	1.20	168338	0.99	--	--	23	13.9	285	10	94
DH09-063	22.00	23.00	1.00	168340	0.44	--	--	10	6.7	390	11	158
DH09-063	23.00	24.00	1.00	168341	0.33	--	--	7	6.3	324	8	86

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-063	24.00	25.00	1.00	168342	1.99	2.06	--	38	22.5	431	7	72
DH09-063	25.00	26.50	1.50	168343	0.35	--	--	8	5.6	241	6	170
DH09-063	26.50	28.00	1.50	168344	0.14	--	--	<5	3.6	328	8	40
DH09-063	28.00	29.50	1.50	168345	0.16	--	--	<5	2.7	194	10	23
DH09-063	29.50	31.00	1.50	168347	0.66	--	--	14	7.9	328	11	89
DH09-063	31.00	32.50	1.50	168348	0.47	--	--	7	6.1	192	5	129
DH09-063	32.50	34.00	1.50	168349	0.04	--	--	<5	0.4	125	10	38
DH09-063	34.00	35.50	1.50	168350	0.05	--	--	<5	0.5	102	9	47
DH09-063	35.50	37.00	1.50	168351	0.06	--	--	<5	1.2	136	7	63
DH09-063	37.00	38.50	1.50	168352	0.04	--	--	<5	0.7	94	11	23
DH09-063	38.50	39.90	1.40	168354	0.12	--	--	<5	2.7	130	7	83
DH09-063	39.90	41.50	1.60	168355	2.26	2.27	--	54	31.1	285	225	1454
DH09-063	41.50	43.00	1.50	168356	1.05	1.05	--	19	15.5	98	62	484
DH09-063	43.00	44.00	1.00	168357	0.02	--	--	<5	0.4	84	123	377
DH09-063	44.00	45.35	1.35	168358	0.01	--	--	<5	<0.1	87	55	85
DH09-063	45.35	47.00	1.65	168359	0.01	--	--	<5	0.1	109	4	103
DH09-063	47.00	48.50	1.50	168361	0.02	--	--	<5	0.7	51	3	27
DH09-063	48.50	50.00	1.50	168362	0.01	--	--	<5	0.3	76	4	25
DH09-063	50.00	51.60	1.60	168363	0.01	--	--	<5	<0.1	50	6	29
DH09-063	51.60	52.20	0.60	168364	1.11	1.07	--	25	16.7	48	6	51
DH09-063	52.20	53.50	1.30	168365	0.09	--	--	<5	1.9	86	<2	57
DH09-063	53.50	55.00	1.50	168366	0.01	--	--	<5	<0.1	58	2	32
DH09-064	16.50	18.00	1.50	168368	0.14	--	--	<5	1.4	112	<2	162
DH09-064	18.00	19.60	1.60	168369	0.41	--	--	11	5.5	264	<2	422
DH09-064	19.60	21.00	1.40	168370	0.26	--	--	<5	3.9	154	23	198
DH09-064	21.00	22.00	1.00	168371	0.02	--	--	<5	0.3	70	9	52
DH09-064	22.00	23.00	1.00	168372	0.05	--	--	<5	0.8	157	19	39
DH09-064	23.00	24.00	1.00	168373	0.02	--	--	<5	1.0	120	20	47
DH09-064	24.00	25.00	1.00	168375	0.08	--	--	<5	1.3	74	22	96
DH09-064	25.00	26.00	1.00	168376	0.79	--	--	18	13.4	211	3	124
DH09-064	26.00	27.00	1.00	168377	0.78	--	--	20	14.1	224	3	138
DH09-064	27.00	28.00	1.00	168378	0.30	--	--	7	4.3	258	6	322
DH09-064	28.00	29.00	1.00	168379	0.40	--	--	11	6.6	191	5	383
DH09-064	29.00	30.00	1.00	168380	0.37	--	--	9	6.7	304	<2	329

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-064	30.00	31.00	1.00	168382	0.55	--	--	6	7.6	350	<2	177
DH09-064	31.00	32.00	1.00	168383	0.06	--	--	<5	1.3	175	4	44
DH09-064	32.00	33.00	1.00	168384	0.10	--	--	<5	2.1	309	60	890
DH09-064	33.00	34.00	1.00	168385	5.86	5.75	90.3	138	103.7	1313	6	817
DH09-064	34.00	35.00	1.00	168386	4.94	5.10	--	96	56.7	508	11	174
DH09-064	35.00	35.90	0.90	168387	0.05	--	--	<5	0.6	145	<2	54
DH09-064	35.90	37.50	1.60	168389	0.02	--	--	<5	<0.1	56	12	73
DH09-064	37.50	39.00	1.50	168390	0.04	--	--	<5	0.3	67	5	56
DH09-064	39.00	40.00	1.00	168391	0.02	--	--	<5	<0.1	41	2	38
DH09-064	40.00	41.35	1.35	168392	0.12	--	--	<5	2.0	92	4	56
DH09-064	41.35	42.00	0.65	168393	0.04	--	--	<5	0.6	76	4	91
DH09-064	42.00	43.00	1.00	168394	0.32	--	--	14	6.4	254	3	97
DH09-064	43.00	44.00	1.00	168396	0.05	--	--	<5	1.2	71	6	141
DH09-064	44.00	45.00	1.00	168397	0.09	--	--	7	4.0	190	11	106
DH09-064	45.00	46.00	1.00	168398	0.04	--	--	<5	0.9	52	12	80
DH09-064	46.00	47.00	1.00	168399	1.86	1.74	--	63	25.4	737	21	403
DH09-064	47.00	48.00	1.00	168400	0.27	--	--	7	4.6	109	8	182
DH09-064	48.00	49.00	1.00	168401	0.18	--	--	6	5.3	85	3	60
DH09-064	49.00	50.00	1.00	168403	0.16	--	--	5	2.5	17	9	21
DH09-064	50.00	51.00	1.00	168404	3.92	3.82	90.0	118	94.9	7391	26	13504
DH09-064	51.00	52.00	1.00	168405	0.52	--	--	15	11.7	210	18	1519
DH09-064	52.00	53.00	1.00	168406	0.06	--	--	<5	0.8	76	9	88
DH09-064	53.00	54.00	1.00	168407	0.16	--	--	<5	2.7	75	7	217
DH09-064	54.00	55.00	1.00	168408	0.03	--	--	<5	0.2	38	6	97
DH09-064	55.00	56.00	1.00	168410	0.01	--	--	<5	<0.1	69	8	90
DH09-064	56.00	57.00	1.00	168411	0.01	--	--	<5	<0.1	34	3	63
DH09-064	57.00	58.00	1.00	168412	0.01	--	--	<5	<0.1	51	<2	72
DH09-064	58.00	59.10	1.10	168413	<0.01	--	--	<5	<0.1	11	<2	33
DH09-064	59.10	60.60	1.50	168414	0.04	--	--	<5	<0.1	38	10	130
DH09-064	60.60	62.00	1.40	168415	0.01	--	--	<5	<0.1	12	<2	51
DH09-065	4.50	6.00	1.50	168417	0.01	--	--	<5	<0.1	41	13	45
DH09-065	6.00	7.55	1.55	168418	0.08	--	--	<5	3.3	110	28	77
DH09-065	7.55	8.50	0.95	168419	4.79	4.93	157.0	150	163.6	1691	63	23112
DH09-065	8.50	9.45	0.95	168420	27.93	28.02	1125.3	948	295.4	11247	343	27110

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-065	9.45	10.45	1.00	168421	5.85	5.87	218.3	222	246.4	4971	36	8724
DH09-065	10.45	12.00	1.55	168422	0.11	--	--	<5	2.7	84	19	157
DH09-065	10.45	13.50	3.05	168424	0.02	--	--	<5	0.5	118	29	74
DH09-065	22.00	23.50	1.50	168425	0.19	--	--	6	7.3	103	28	375
DH09-065	23.50	25.00	1.50	168426	0.03	--	--	<5	0.4	27	6	63
DH09-065	25.00	26.00	1.00	168427	1.55	1.55	51.8	47	53.6	215	150	1806
DH09-065	26.00	27.50	1.50	168428	0.23	--	--	8	4.1	46	39	346
DH09-065	27.50	29.00	1.50	168429	0.01	--	--	<5	<0.1	16	10	66
DH09-065	29.00	30.50	1.50	168431	0.32	--	--	13	17.4	195	7	1179
DH09-065	30.50	32.20	1.70	168432	0.65	--	--	22	23.6	340	14	1475
DH09-065	32.20	33.00	0.80	168433	9.08	9.08	262.1	251	268.3	1833	42	5505
DH09-065	33.00	34.00	1.00	168434	10.15	9.68	278.3	284	307.9	1509	102	6731
DH09-065	34.00	35.00	1.00	168435	1.33	1.32	52.1	49	54.0	1419	34	3423
DH09-065	35.00	36.00	1.00	168436	9.39	9.21	211.2	253	243.4	3354	2607	10903
DH09-065	36.00	37.00	1.00	168438	0.77	--	--	<5	19.8	617	19	16914
DH09-065	37.00	38.00	1.00	168439	0.92	--	--	<5	33.9	497	14	3868
DH09-065	38.00	39.00	1.00	168440	0.10	--	--	<5	4.0	169	16	292
DH09-065	39.00	40.10	1.10	168441	0.20	--	--	<5	7.2	148	16	1555
DH09-065	40.10	41.15	1.05	168442	0.42	--	--	8	9.1	18	6	952
DH09-065	41.15	42.10	0.95	168443	0.06	--	--	<5	1.6	27	7	141
DH09-065	42.10	43.10	1.00	168445	0.07	--	--	<5	3.5	208	3	551
DH09-065	43.10	44.10	1.00	168446	0.06	--	--	<5	0.8	26	2	45
DH09-065	44.10	45.10	1.00	168447	0.02	--	--	<5	0.8	28	5	34
DH09-065	45.10	46.10	1.00	168448	0.20	--	--	7	9.0	184	7	43
DH09-065	46.10	47.10	1.00	168449	0.07	--	--	<5	3.5	70	15	71
DH09-065	47.10	48.60	1.50	168450	0.25	--	--	<5	8.5	459	45	205
DH09-065	48.60	50.10	1.50	168452	0.77	--	--	26	30.2	251	24	382
DH09-065	70.00	71.50	1.50	168453	0.04	--	--	<5	6.7	766	22	302
DH09-065	71.50	72.90	1.40	168454	0.03	--	--	<5	2.0	151	16	351
DH09-065	72.90	74.50	1.60	168455	0.43	--	--	6	18.0	398	15	1187
DH09-065	74.50	75.45	0.95	168456	1.16	1.16	--	32	28.2	307	7	636
DH09-065	75.45	75.80	0.35	168457	3.91	3.78	112.0	115	122.4	1725	39	1781
DH09-065	75.80	77.30	1.50	168459	0.01	--	--	<5	1.1	189	19	74
DH09-065	77.30	78.80	1.50	168460	0.02	--	--	<5	1.0	160	14	51

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-066	3.05	4.75	1.70	168462	0.01	--	--	<5	0.4	21	14	106
DH09-066	4.75	6.45	1.70	168463	0.01	--	--	<5	0.5	28	24	96
DH09-066	6.45	8.15	1.70	168464	0.03	--	--	<5	0.3	29	25	98
DH09-066	8.15	9.80	1.65	168465	0.02	--	--	<5	1.7	128	29	292
DH09-066	9.80	10.50	0.70	168466	3.50	3.38	93.2	94	97.4	2788	77	10989
DH09-066	10.50	11.20	0.70	168467	1.49	1.46	--	52	43.1	1701	71	9930
DH09-066	11.20	12.70	1.50	168469	0.03	--	--	<5	1.7	139	28	229
DH09-066	12.70	14.20	1.50	168470	0.06	--	--	<5	0.5	43	16	58
DH09-066	19.50	21.10	1.60	168471	0.10	--	--	<5	5.0	71	32	126
DH09-066	21.10	22.70	1.60	168472	0.23	--	--	8	9.6	85	38	143
DH09-066	22.70	23.65	0.95	168473	0.28	--	--	17	13.7	107	49	154
DH09-066	23.65	24.55	0.90	168474	1.37	1.36	68.2	42	72.4	1081	49	346
DH09-066	24.55	25.40	0.85	168476	5.80	6.14	179.8	160	217.0	1850	69	7932
DH09-066	25.40	26.25	0.85	168477	0.34	--	--	8	14.6	296	5	880
DH09-066	26.25	26.85	0.60	168478	36.48	33.80	1514.4	788	300.4	5547	5729	33855
DH09-066	26.85	27.50	0.65	168479	18.13	18.60	997.9	825	327.0	13300	1494	22158
DH09-066	27.50	29.00	1.50	168480	0.21	--	--	10	8.2	106	54	349
DH09-066	29.00	30.50	1.50	168481	0.14	--	--	6	5.5	142	30	668
DH09-066	30.50	32.00	1.50	168483	0.57	--	--	20	19.6	285	66	1600
DH09-066	32.00	33.00	1.00	168484	3.12	3.20	95.3	63	102.2	1356	110	9303
DH09-066	33.00	34.50	1.50	168485	0.07	--	--	<5	3.0	67	51	174
DH09-066	34.50	36.00	1.50	168486	0.06	--	--	<5	2.8	64	21	415
DH09-066	36.00	37.50	1.50	168487	0.05	--	--	<5	2.1	46	16	106
DH09-066	37.50	39.00	1.50	168488	0.01	--	--	<5	0.6	22	9	77
DH09-066	39.00	40.80	1.80	168490	0.04	--	--	<5	1.4	31	14	226
DH09-066	40.80	41.15	0.35	168491	2.14	2.20	95.0	64	93.3	286	70	2097
DH09-066	41.15	42.55	1.40	168492	0.13	--	--	<5	5.5	80	22	288
DH09-066	42.55	44.00	1.45	168493	0.61	--	--	20	30.4	232	11	979
DH09-066	44.00	45.00	1.00	168494	0.65	--	--	27	48.1	1792	15	642
DH09-066	45.00	46.50	1.50	168495	0.08	--	--	<5	4.2	78	21	161
DH09-066	46.50	48.00	1.50	168497	0.17	--	--	<5	7.3	132	44	430
DH09-066	48.00	49.50	1.50	168498	0.31	--	--	<5	4.0	77	51	169
DH09-066	49.50	51.00	1.50	168499	0.14	--	--	<5	5.2	91	23	313
DH09-066	51.00	52.50	1.50	168500	0.24	--	--	<5	7.7	131	17	368

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-066	52.50	54.30	1.80	168501	0.11	--	--	<5	5.2	131	28	255
DH09-066	54.30	56.10	1.80	168502	0.08	--	--	<5	3.5	93	23	163
DH09-066	56.10	56.80	0.70	168504	5.35	5.40	216.5	161	203.4	2685	76	1218
DH09-066	56.80	57.55	0.75	168505	0.35	--	--	11	15.3	110	174	169
DH09-066	57.55	59.00	1.45	168506	0.24	--	--	7	9.9	116	76	700
DH09-066	59.00	60.50	1.50	168507	0.05	--	--	<5	1.5	57	18	189
DH09-066	60.50	62.00	1.50	168508	0.16	--	--	<5	8.0	84	37	188
DH09-066	62.00	63.50	1.50	168509	0.08	--	--	<5	2.0	78	26	454
DH09-066	63.50	65.00	1.50	168511	0.03	--	--	<5	1.1	49	57	145
DH09-066	65.00	66.30	1.30	168512	0.03	--	--	<5	0.9	39	31	184
DH09-066	66.30	67.60	1.30	168513	0.81	--	72.1	42	78.0	137	39	311
DH09-066	67.60	67.95	0.35	168514	6.02	5.98	227.3	184	243.9	358	164	11032
DH09-066	67.95	69.45	1.50	168515	0.30	--	--	9	14.2	101	52	261
DH09-066	69.45	70.90	1.45	168516	0.95	--	56.4	38	68.8	241	99	1207
DH09-066	70.90	72.40	1.50	168518	0.02	--	--	<5	0.7	29	38	100
DH09-066	72.40	73.90	1.50	168519	0.05	--	--	<5	1.9	36	15	92
DH09-067	3.05	4.50	1.45	168521	0.07	--	--	<5	2.6	73	304	166
DH09-067	4.50	6.00	1.50	168522	0.10	--	--	<5	4.3	104	50	118
DH09-067	6.00	7.50	1.50	168523	0.02	--	--	<5	1.3	45	50	289
DH09-067	7.50	9.00	1.50	168524	0.05	--	--	<5	2.5	67	133	525
DH09-067	9.00	10.20	1.20	168525	0.06	--	--	<5	3.9	138	169	455
DH09-067	10.20	10.45	0.25	168526	4.02	4.18	158.2	89	177.1	1310	2447	4669
DH09-067	10.45	12.00	1.55	168528	0.01	--	--	<5	<0.1	30	23	54
DH09-067	12.00	13.80	1.80	168529	0.02	--	--	<5	0.6	28	41	44
DH09-067	13.80	15.55	1.75	168530	0.01	--	--	<5	<0.1	32	12	32
DH09-067	15.55	16.10	0.55	168531	<0.01	--	--	<5	0.2	54	8	22
DH09-067	16.10	17.00	0.90	168532	0.23	--	--	<5	0.5	35	8	27
DH09-067	17.00	18.00	1.00	168533	0.01	--	--	<5	0.7	38	13	35
DH09-067	18.00	19.00	1.00	168535	1.51	1.50	71.2	32	76.8	2638	22	740
DH09-067	19.00	20.00	1.00	168536	0.02	--	--	<5	1.4	49	12	121
DH09-067	20.00	21.00	1.00	168537	3.82	4.00	100.5	74	103.6	201	90	555
DH09-067	21.00	22.00	1.00	168538	1.35	1.32	55.2	59	59.2	481	111	1519
DH09-067	22.00	23.50	1.50	168539	0.06	--	--	<5	1.8	30	69	106
DH09-067	23.50	25.00	1.50	168540	0.20	--	--	9	9.3	191	67	674

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-067	25.00	25.90	0.90	168542	17.89	17.56	703.4	462	376.3	1766	6096	7919
DH09-067	25.90	26.80	0.90	168543	16.01	15.84	582.0	412	349.5	1906	1425	9118
DH09-067	26.80	28.00	1.20	168544	0.21	--	--	6	9.1	170	46	568
DH09-067	28.00	29.50	1.50	168545	0.11	--	--	<5	4.0	72	23	169
DH09-067	29.50	31.00	1.50	168546	0.05	--	--	<5	1.0	34	21	130
DH09-067	31.00	32.50	1.50	168547	0.06	--	--	<5	1.3	53	23	78
DH09-067	32.50	34.00	1.50	168549	0.05	--	--	<5	2.0	65	8	259
DH09-067	34.00	35.10	1.10	168550	0.22	--	--	5	8.2	142	24	624
DH09-067	35.10	36.20	1.10	168551	0.17	--	--	<5	5.5	108	11	797
DH09-067	36.20	36.90	0.70	168552	2.25	2.22	92.5	33	108.0	737	31	5351
DH09-067	36.90	37.65	0.75	168553	2.26	2.23	68.1	72	76.4	275	48	1724
DH09-067	37.65	39.35	1.70	168554	3.74	3.90	94.6	101	106.6	269	254	1891
DH09-067	39.35	41.00	1.65	168556	0.04	--	--	<5	1.4	55	17	76
DH09-067	41.00	42.50	1.50	168557	0.06	--	--	<5	2.9	86	18	282
DH09-067	42.50	44.00	1.50	168558	0.02	--	--	<5	0.5	96	16	142
DH09-067	65.00	66.50	1.50	168560	0.06	--	--	<5	1.8	65	9	197
DH09-067	66.50	68.00	1.50	168561	0.14	--	--	<5	5.6	70	11	252
DH09-067	68.00	69.50	1.50	168562	1.31	1.31	81.2	53	85.7	499	27	648
DH09-067	69.50	71.10	1.60	168563	1.78	1.79	82.4	58	88.7	360	73	1382
DH09-067	71.10	72.35	1.25	168564	17.50	17.06	959.5	703	429.7	2003	66	8222
DH09-067	72.35	74.00	1.65	168565	0.11	--	--	<5	4.3	46	7	305
DH09-067	74.00	75.50	1.50	168567	0.08	--	--	<5	3.3	49	40	92
DH09-067	75.50	76.80	1.30	168568	0.68	--	--	15	20.5	214	11	906
DH09-067	76.80	78.00	1.20	168569	0.94	--	--	23	23.5	263	17	1004
DH09-068	7.50	9.00	1.50	168609	0.01	--	--	<5	0.5	90	11	266
DH09-068	9.00	10.67	1.67	168610	0.01	--	--	<5	0.8	170	10	166
DH09-068	10.67	10.95	0.28	168611	0.07	--	--	<5	14.5	57	213	158
DH09-068	10.95	12.50	1.55	168612	1.01	1.00	--	29	46.1	290	669	1326
DH09-068	12.50	14.00	1.50	168613	0.02	--	--	<5	0.8	96	53	153
DH09-068	14.00	15.50	1.50	168614	0.02	--	--	<5	1.3	116	40	161
DH09-068	15.50	17.00	1.50	168616	0.01	--	--	<5	<0.1	12	43	57
DH09-068	17.00	18.50	1.50	168617	0.05	--	--	<5	0.5	32	13	278
DH09-068	18.50	20.00	1.50	168618	0.55	--	--	20	21.1	506	33	1064
DH09-068	20.00	21.50	1.50	168619	4.73	4.66	166.5	106	179.7	1430	100	3219

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-068	21.50	23.00	1.50	168620	0.02	--	--	<5	0.3	13	11	49
DH09-068	23.00	24.50	1.50	168621	0.02	--	--	<5	0.3	19	8	46
DH09-068	24.50	25.60	1.10	168623	0.44	--	--	12	18.4	376	46	115
DH09-068	25.60	26.60	1.00	168624	5.23	5.56	173.4	116	192.1	2443	36	16499
DH09-068	26.60	27.65	1.05	168625	50.65	51.00	1573.3	1188	279	2503	13301	12912
DH09-068	27.65	29.00	1.35	168626	0.21	--	--	9	7.4	85	60	350
DH09-068	29.00	30.50	1.50	168627	0.58	--	--	18	24.6	86	77	206
DH09-068	30.50	32.00	1.50	168628	0.09	--	--	<5	2.2	60	29	136
DH09-068	32.00	33.50	1.50	168630	0.06	--	--	<5	2.4	60	29	164
DH09-068	33.50	35.10	1.60	168631	0.19	--	--	6	7.5	90	66	222
DH09-069	3.05	4.15	1.10	168633	0.77	--	--	17	23.6	100	21	211
DH09-069	4.15	4.95	0.80	168634	0.83	--	--	19	18.7	118	79	168
DH09-069	4.95	6.50	1.55	168635	0.14	--	--	<5	5.6	217	56	355
DH09-069	6.50	8.00	1.50	168636	0.11	--	--	<5	3.5	154	50	737
DH09-069	8.00	8.25	0.25	168637	6.62	6.58	224.5	326	244.8	3575	151	19982
DH09-069	8.25	9.75	1.50	168638	0.03	--	--	<5	0.5	104	19	161
DH09-069	9.75	11.25	1.50	168640	0.03	--	--	<5	0.5	45	29	151
DH09-069	17.00	18.50	1.50	168641	1.02	1.02	--	25	26.6	71	17	177
DH09-069	18.50	20.10	1.60	168642	0.05	--	--	<5	0.4	20	21	57
DH09-069	20.10	21.25	1.15	168643	0.15	--	--	10	7.8	194	29	229
DH09-069	21.25	22.25	1.00	168644	0.50	--	--	12	14.7	142	43	556
DH09-069	22.25	23.40	1.15	168645	7.99	7.96	268.8	187	269.3	3949	51	14195
DH09-069	23.40	24.50	1.10	168647	10.72	11.32	466.9	360	376.7	2215	1483	9141
DH09-069	24.50	26.00	1.50	168648	0.32	--	--	18	17.6	171	52	802
DH09-069	26.00	27.50	1.50	168649	0.05	--	--	<5	1.9	55	18	88
DH09-069	44.00	45.50	1.50	168650	0.01	--	--	<5	<0.1	41	7	32
DH09-069	45.50	47.00	1.50	168651	0.61	--	--	17	14.2	59	36	111
DH09-069	47.00	48.50	1.50	168652	1.38	1.32	--	28	22.2	134	18	1271
DH09-069	48.50	49.90	1.40	168654	0.05	--	--	<5	2.3	100	10	318
DH09-069	49.90	51.40	1.50	168655	0.75	--	--	26	31.8	360	13	1579
DH09-069	51.40	52.90	1.50	168656	0.55	--	--	16	16.4	166	20	980
DH09-069	52.90	54.40	1.50	168657	2.96	2.96	127.5	114	140.6	2286	11	760
DH09-069	54.40	55.35	0.95	168658	1.21	1.27	--	38	31.5	243	14	213
DH09-069	55.35	57.00	1.65	168659	0.15	--	--	5	3.6	103	11	320

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-069	55.35	58.50	3.15	168661	0.02	--	--	<5	0.2	24	6	44
DH09-070	9.20	10.55	1.35	168744	0.01	--	--	<5	0.1	46	15	56
DH09-070	10.55	11.55	1.00	168745	0.18	--	--	<5	2.6	126	34	430
DH09-070	11.55	12.55	1.00	168746	2.02	2.01	90.3	99	94.9	535	827	2431
DH09-070	12.55	13.55	1.00	168747	8.85	8.64	295.6	379	276.3	1371	2041	4514
DH09-070	13.55	14.27	0.72	168748	23.56	23.40	891.2	991	255.8	3011	166	661
DH09-070	14.27	14.97	0.70	168749	0.29	--	--	15	7.9	214	51	1725
DH09-070	14.97	16.97	2.00	168751	0.07	--	--	<5	2.3	105	64	94
DH09-070	28.11	29.11	1.00	168752	0.33	--	155.7	50	167.5	12121	2840	8943
DH09-070	29.11	30.11	1.00	168753	0.02	--	--	<5	1.4	42	39	51
DH09-070	30.11	31.61	1.50	168754	0.58	--	--	23	24.0	330	162	1605
DH09-070	31.61	33.11	1.50	168755	0.50	--	--	18	18.5	268	106	1943
DH09-070	33.11	33.81	0.70	168756	0.59	--	--	19	19.9	282	9	3748
DH09-070	33.81	35.51	1.70	168758	0.51	--	--	23	23.5	320	23	1453
DH09-070	35.51	36.81	1.30	168759	0.92	--	--	47	48.8	542	13	3186
DH09-070	36.81	38.31	1.50	168760	0.61	--	--	30	26.9	762	86	1073
DH09-070	38.31	39.81	1.50	168761	0.09	--	--	5	5.6	219	20	292
DH09-070	39.81	41.31	1.50	168762	0.16	--	--	8	6.5	217	434	626
DH09-070	41.31	42.81	1.50	168763	0.06	--	--	<5	1.8	121	11	213
DH09-070	42.81	44.31	1.50	168765	0.04	--	--	<5	1.9	170	18	241
DH09-070	44.31	45.81	1.50	168766	0.02	--	--	<5	0.7	112	7	1234
DH09-070	48.41	50.11	1.70	168767	0.08	--	--	<5	2.5	218	19	209
DH09-070	50.11	51.06	0.95	168768	0.02	--	--	<5	0.3	95	19	35
DH09-070	51.06	52.06	1.00	168769	0.94	--	--	38	37.1	364	2326	1848
DH09-070	57.72	59.02	1.30	168770	0.01	--	--	<5	<0.1	20	11	157
DH09-072	11.26	12.76	1.50	168571	0.03	--	--	<5	17.6	2871	56	315
DH09-072	12.76	14.36	1.60	168572	0.03	--	--	<5	0.6	66	31	66
DH09-072	14.36	15.97	1.61	168573	0.01	--	--	<5	6.0	110	146	339
DH09-072	22.06	23.56	1.50	168574	0.01	--	--	<5	0.6	136	38	190
DH09-072	23.56	25.06	1.50	168575	0.01	--	--	<5	2.4	247	77	261
DH09-072	25.06	26.56	1.50	168576	0.01	--	--	<5	1.8	228	45	671
DH09-072	26.56	28.06	1.50	168578	0.04	--	--	<5	4.3	219	108	314
DH09-072	28.06	29.06	1.00	168579	0.25	--	--	5	13.8	723	105	3407
DH09-072	29.06	30.06	1.00	168580	0.99	--	81.2	43	88.9	766	1068	8851

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-072	30.06	30.81	0.75	168581	28.23	27.60	718.1	863	333.1	2608	4892	12135
DH09-072	30.81	31.70	0.89	168582	1.07	1.02	--	42	43.1	787	183	1123
DH09-072	31.70	32.18	0.48	168583	0.10	--	--	<5	5.2	132	83	499
DH09-072	32.18	32.64	0.46	168585	0.05	--	--	<5	3.0	120	71	272
DH09-072	32.64	33.67	1.03	168586	0.09	--	--	<5	4.9	331	11	1848
DH09-072	33.67	34.17	0.50	168587	0.53	--	--	23	18.6	46	14	209
DH09-072	34.17	35.17	1.00	168588	0.31	--	--	10	10.7	218	32	490
DH09-072	35.17	36.14	0.97	168589	0.58	--	48.5	68	51.2	4284	431	5540
DH09-072	36.14	36.64	0.50	168590	12.90	13.80	520.4	784	300.4	10666	274	17804
DH09-072	36.64	37.79	1.15	168592	9.38	9.60	367.7	343	368.6	28589	107	8839
DH09-072	37.79	38.89	1.10	168593	0.20	--	--	7	10.4	308	59	731
DH09-072	38.89	40.39	1.50	168594	3.47	3.46	148.4	89	169.2	1046	215	5664
DH09-072	40.39	41.87	1.48	168595	0.26	--	--	8	19.4	188	998	813
DH09-072	41.87	43.37	1.50	168596	0.17	--	--	5	10.4	265	274	473
DH09-072	43.37	44.87	1.50	168597	0.59	--	--	17	18.5	250	182	259
DH09-072	44.87	46.37	1.50	168599	0.76	--	--	33	24.9	163	92	233
DH09-072	46.37	47.87	1.50	168600	5.77	5.62	227.3	159	240.9	1265	555	4377
DH09-072	50.37	51.82	1.45	168601	1.83	1.80	54.8	59	66.5	535	159	1206
DH09-072	51.82	53.02	1.20	168602	16.37	17.00	584.1	536	364.1	7451	7744	27147
DH09-072	53.02	54.22	1.20	168603	7.85	7.78	202.6	282	226.3	1388	1115	15038
DH09-072	54.22	55.72	1.50	168604	1.03	1.00	--	21	31.8	300	156	875
DH09-072	55.72	57.22	1.50	168606	3.21	3.28	69.5	72	73.0	327	43	1854
DH09-072	57.22	58.72	1.50	168607	0.13	--	--	<5	9.5	106	39	629
DH09-073	23.88	25.38	1.50	168663	0.01	--	--	<5	2.0	106	48	83
DH09-073	25.38	26.88	1.50	168664	0.05	--	--	5	23.1	259	678	708
DH09-073	26.88	28.38	1.50	168665	2.39	2.52	148.2	103	162.3	1186	2588	7239
DH09-073	28.38	29.38	1.00	168666	10.33	10.30	720.3	495	324.6	18567	4846	20786
DH09-073	29.38	30.48	1.10	168667	0.61	--	--	38	45.3	2089	513	7135
DH09-073	30.48	31.28	0.80	168668	0.62	--	--	38	37.2	2824	92	7694
DH09-073	31.28	32.78	1.50	168670	0.44	--	--	29	13.3	537	39	2164
DH09-073	32.78	34.28	1.50	168671	0.01	--	--	<5	0.3	34	23	82
DH09-073	34.28	35.85	1.57	168672	0.01	--	--	<5	0.7	227	15	51
DH09-073	35.85	36.85	1.00	168673	0.05	--	--	<5	3.0	98	17	73
DH09-073	36.85	37.83	0.98	168674	0.43	--	--	72	24.8	2720	188	1079

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-073	37.83	38.83	1.00	168675	0.16	--	--	20	5.7	1027	29	125
DH09-073	38.83	39.43	0.60	168677	0.02	--	--	<5	<0.1	17	11	13
DH09-073	39.43	39.73	0.30	168678	0.02	--	--	<5	1.0	91	20	61
DH09-073	39.73	40.33	0.60	168679	0.99	--	--	131	39.9	4799	199	6041
DH09-073	40.33	41.23	0.90	168680	0.03	--	--	<5	1.4	95	41	96
DH09-073	41.23	42.13	0.90	168681	0.19	--	--	9	7.1	144	28	503
DH09-073	42.13	42.76	0.63	168682	3.39	3.40	117.0	244	138.9	16755	327	16406
DH09-073	42.76	43.23	0.47	168684	2.79	2.80	98.8	136	100.5	3276	58	2250
DH09-073	43.23	44.73	1.50	168685	0.07	--	--	6	4.4	198	44	92
DH09-073	44.73	46.23	1.50	168686	0.07	--	--	<5	2.9	97	47	206
DH09-073	46.23	47.73	1.50	168687	0.32	--	--	15	16.3	258	159	585
DH09-073	47.73	49.23	1.50	168688	0.24	--	--	7	7.2	157	155	128
DH09-073	49.23	50.73	1.50	168689	0.12	--	--	6	6.1	218	267	292
DH09-073	50.73	52.33	1.60	168691	0.51	--	--	22	34.8	223	162	143
DH09-073	52.33	53.34	1.01	168692	2.89	2.88	85.6	96	89.4	1051	180	3615
DH09-073	53.34	54.59	1.25	168693	4.55	4.52	134.7	144	162.7	832	102	3489
DH09-073	54.59	55.18	0.59	168694	0.06	--	--	<5	2.6	195	29	255
DH09-073	59.18	60.58	1.40	168695	0.09	--	--	<5	4.7	113	94	282
DH09-074	22.32	23.82	1.50	168697	0.03	--	--	11	1.0	188	30	133
DH09-074	23.82	25.32	1.50	168698	0.01	--	--	<5	1.7	121	58	138
DH09-074	25.32	26.82	1.50	168699	0.32	--	--	10	10.7	553	88	843
DH09-074	26.82	27.62	0.80	168700	1.30	1.27	50.1	79	52.6	3174	82	11177
DH09-074	27.62	27.97	0.35	168701	0.02	--	--	<5	1.1	266	10	153
DH09-074	27.97	28.97	1.00	168702	0.40	--	--	36	30.4	1732	274	5168
DH09-074	28.97	30.21	1.24	168704	0.45	--	--	27	10.2	270	53	1587
DH09-074	30.21	31.71	1.50	168705	0.03	--	--	<5	1.4	95	35	841
DH09-074	31.71	33.21	1.50	168706	0.01	--	--	<5	0.6	104	31	40
DH09-074	33.21	34.71	1.50	168707	0.01	--	--	<5	0.2	79	35	41
DH09-074	34.71	36.21	1.50	168708	<0.01	--	--	<5	0.2	88	44	22
DH09-075	10.65	11.89	1.24	168710	0.02	--	--	<5	15.7	6865	74	1084
DH09-075	32.81	33.71	0.90	168711	0.07	--	--	<5	8.3	385	83	4250
DH09-075	33.71	34.91	1.20	168712	0.02	--	--	<5	2.3	234	55	284
DH09-075	34.91	36.11	1.20	168713	0.09	--	--	<5	4.6	279	38	816
DH09-075	36.11	37.16	1.05	168714	3.49	3.54	137.4	144	152.0	1914	674	7620

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-075	37.16	37.86	0.70	168715	0.75	--	--	34	45.4	698	101	4819
DH09-075	37.86	39.36	1.50	168717	0.17	--	--	8	9.1	188	263	856
DH09-075	39.36	40.86	1.50	168718	0.41	--	--	19	21.5	259	279	1186
DH09-075	40.86	42.36	1.50	168719	0.64	--	--	59	44.6	388	941	3374
DH09-075	42.36	43.86	1.50	168720	0.26	--	--	22	17.9	275	471	2354
DH09-075	43.86	44.50	0.64	168721	0.06	--	--	7	9.6	959	303	1300
DH09-075	44.50	45.40	0.90	168722	0.88	--	--	37	38.6	189	293	1785
DH09-075	45.40	46.90	1.50	168724	0.05	--	--	11	9.6	81	273	327
DH09-075	46.90	47.65	0.75	168725	0.16	--	--	31	29.4	626	381	1197
DH09-075	47.65	48.45	0.80	168726	0.38	--	--	114	46.6	1216	331	15833
DH09-075	48.45	49.45	1.00	168727	1.79	1.77	127.8	122	149.5	1303	428	7015
DH09-075	49.45	50.05	0.60	168728	0.30	--	--	30	46.9	2191	811	25515
DH09-075	50.05	50.70	0.65	168729	0.15	--	--	9	8.9	123	165	586
DH09-075	50.70	51.20	0.50	168731	9.36	9.50	721.9	513	307.5	4188	361	9751
DH09-075	51.20	51.90	0.70	168732	0.04	--	--	<5	3.1	146	96	221
DH09-075	51.90	52.80	0.90	168733	1.46	1.44	89.2	69	93.9	541	860	1533
DH09-075	52.80	54.15	1.35	168734	2.02	2.24	86.4	93	89.6	291	33	892
DH09-075	54.15	54.90	0.75	168735	15.26	15.20	635.7	631	276.5	6349	2097	17693
DH09-075	54.90	56.20	1.30	168736	0.53	--	--	26	24.6	478	74	2874
DH09-075	56.20	57.00	0.80	168738	9.68	10.00	430.7	382	367.5	1605	622	6678
DH09-075	58.50	60.00	1.50	168739	0.48	--	--	38	36.4	554	203	5141
DH09-075	60.00	61.50	1.50	168740	0.12	--	--	<5	4.7	211	23	970
DH09-075	61.50	63.00	1.50	168741	0.02	--	--	<5	1.4	114	3	351
DH09-075	63.00	64.50	1.50	168742	0.03	--	--	7	9.4	115	30	1389
DH09-076	6.48	7.98	1.50	168772	0.07	--	--	<5	2.5	338	33	201
DH09-076	7.98	9.14	1.16	168773	6.98	6.78	390.2	229	187.1	1196	6203	9100
DH09-076	9.14	10.25	1.11	168774	2.11	2.11	93.8	110	94.1	408	1114	842
DH09-076	10.25	11.75	1.50	168775	0.03	--	--	<5	1.7	84	72	171
DH09-076	11.75	12.75	1.00	168776	0.10	--	--	6	4.5	228	51	671
DH09-077	5.67	7.87	2.20	168778	0.22	--	--	<5	6.1	215	49	513
DH09-077	7.87	8.53	0.66	168779	0.62	--	92.6	<5	90.3	4751	749	10259
DH09-077	8.53	9.73	1.20	168780	5.29	5.32	198.3	160	219.7	2715	3454	4781
DH09-077	9.73	10.63	0.90	168781	17.94	18.00	831.0	648	196.9	1863	14400	7982
DH09-077	10.63	11.13	0.50	168782	2.37	2.29	121.3	89	11.0	1116	1637	4363

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-077	11.13	12.43	1.30	168783	0.25	--	--	9	15.7	235	250	644
DH09-077	12.43	13.83	1.40	168785	0.69	--	--	21	29.5	701	216	723
DH09-077	13.83	14.96	1.13	168786	0.03	--	--	<5	4.6	401	64	310
DH09-077	14.96	15.66	0.70	168787	0.13	--	--	<5	6.4	200	65	168
DH09-077	15.66	16.16	0.50	168788	0.17	--	--	<5	9.0	196	151	189
DH09-077	16.16	16.66	0.50	168789	0.21	--	--	8	16.0	407	855	1080
DH09-077	17.31	18.06	0.75	168790	0.58	--	--	21	26.1	373	393	785
DH09-078	12.58	13.28	0.70	168792	0.04	--	--	<5	1.5	321	19	282
DH09-078	13.28	14.28	1.00	168793	7.19	7.20	394.9	289	215.3	10232	2183	8565
DH09-078	14.28	14.78	0.50	168794	7.66	7.76	251.3	246	261.9	7714	785	21819
DH09-078	14.78	15.58	0.80	168795	0.28	--	--	<5	14.2	2071	66	11326
DH09-078	15.58	16.78	1.20	168796	1.40	1.33	50.2	45	55.6	386	297	3673
DH09-078	16.78	18.32	1.54	168797	0.27	--	--	11	14.5	857	53	2184
DH09-078	18.32	19.22	0.90	168799	0.20	--	--	9	8.2	601	68	538
DH09-078	19.22	20.52	1.30	168800	0.02	--	--	<5	1.0	84	43	154
DH09-079	9.11	10.36	1.25	168802	0.02	--	--	<5	1.5	515	22	4355
DH09-079	10.36	11.88	1.52	168803	0.03	--	--	<5	0.7	112	13	173
DH09-079	11.88	12.88	1.00	168804	2.89	2.78	173.8	103	209.9	3060	2186	11108
DH09-079	12.88	13.88	1.00	168805	10.13	10.38	635.6	395	212.5	3052	247	5712
DH09-079	13.88	14.88	1.00	168806	4.03	4.20	219.5	136	236.0	976	2647	4309
DH09-079	14.88	15.88	1.00	168807	3.78	3.67	178.5	116	173.4	362	2899	1934
DH09-079	15.88	16.88	1.00	168809	0.16	--	--	8	13.8	197	524	151
DH09-079	16.88	17.51	0.63	168810	0.14	--	--	<5	8.4	370	54	170
DH09-079	17.51	19.01	1.50	168811	0.04	--	--	<5	3.0	138	76	525
DH09-079	19.01	20.51	1.50	168812	0.45	--	--	13	19.1	367	468	1111
DH09-079	20.51	22.01	1.50	168813	0.04	--	--	<5	2.5	107	103	349
DH09-079	22.01	23.51	1.50	168814	1.25	1.34	79.0	54	75.8	576	285	2110
DH09-079	23.51	24.81	1.30	168816	0.38	--	--	13	20.1	454	305	938
DH09-080	11.90	13.40	1.50	168818	0.24	--	--	<5	9.9	312	64	259
DH09-080	13.40	14.40	1.00	168819	0.15	--	--	<5	9.3	524	349	1271
DH09-080	14.40	15.00	0.60	168820	0.25	--	--	15	17.1	639	28	5679
DH09-080	15.00	15.40	0.40	168821	0.69	--	--	6	38.2	6311	196	19176
DH09-080	15.40	16.20	0.80	168822	0.22	--	--	8	10.1	618	38	2335
DH09-080	16.20	16.80	0.60	168823	0.05	--	--	<5	2.4	237	8	1581

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-080	16.80	17.80	1.00	168825	0.02	--	--	<5	0.7	141	20	309
DH09-080	17.80	18.80	1.00	168826	0.02	--	--	<5	0.7	84	35	162
DH09-080	32.00	33.50	1.50	168827	0.05	--	--	<5	1.7	95	18	1737
DH09-080	33.50	35.00	1.50	168828	0.03	--	--	<5	1.0	84	25	343
DH09-081	9.00	9.27	0.27	168830	8.95	8.80	258.2	276	254.4	2015	266	1558
DH09-081	16.46	16.81	0.35	168831	0.59	--	--	11	22.0	714	52	2321
DH09-081	16.81	17.90	1.09	168832	0.07	--	--	<5	1.7	156	19	121
DH09-081	17.90	18.90	1.00	168833	0.03	--	--	<5	1.3	276	32	620
DH09-081	18.90	20.40	1.50	168834	0.15	--	--	<5	8.5	322	25	545
DH09-081	20.40	21.90	1.50	168835	0.12	--	--	<5	5.8	513	21	1534
DH09-082	10.06	10.67	0.61	168837	0.07	--	--	<5	2.2	278	35	146
DH09-082	10.67	11.69	1.02	168838	0.21	--	--	12	23.9	1346	29	168
DH09-082	11.69	12.50	0.81	168839	0.66	--	--	<5	7.7	367	49	138
DH09-082	12.50	13.30	0.80	168840	0.15	--	--	<5	6.3	274	17	110
DH09-082	14.47	14.64	0.17	168841	0.05	--	--	<5	8.2	32	85	297
DH09-082	17.95	18.52	0.57	168842	0.01	--	--	<5	0.4	60	46	117
DH09-082	21.15	22.65	1.50	168844	0.02	--	--	<5	0.5	112	43	184
DH09-082	22.65	23.08	0.43	168845	0.19	--	--	<5	20.7	2604	4	2903
DH09-082	23.08	24.08	1.00	168846	1.36	1.31	--	46	49.1	1905	40	13374
DH09-082	24.08	25.58	1.50	168847	0.06	--	--	<5	1.3	131	15	152
DH09-082	25.58	27.13	1.55	168848	0.02	--	--	<5	0.6	108	7	177
DH09-082	27.13	28.65	1.52	168849	0.01	--	--	<5	<0.1	55	12	90
DH09-082	28.65	30.65	2.00	167751	<0.01	--	--	<5	0.2	80	23	94
DH09-082	30.65	31.70	1.05	167752	0.05	--	--	<5	2.6	407	21	12876
DH09-082	31.70	32.88	1.18	167753	0.26	--	--	19	21.8	283	446	11259
DH09-082	32.88	34.00	1.12	167754	0.38	--	--	<5	4.2	135	9	2728
DH09-082	34.00	35.50	1.50	167755	<0.01	--	--	<5	<0.1	91	13	154
DH09-082	35.50	37.00	1.50	167756	<0.01	--	--	<5	<0.1	59	8	199
DH09-082	35.50	38.50	3.00	167758	0.01	--	--	<5	2.4	448	22	966
DH09-083	17.30	17.67	0.37	167760	0.03	--	--	<5	1.3	161	84	172
DH09-083	17.67	18.02	0.35	167761	0.04	--	--	11	10.8	418	499	116
DH09-083	18.02	18.50	0.48	167762	0.06	--	--	<5	3.4	265	46	122
DH09-083	18.50	19.11	0.61	167763	0.23	--	--	16	14.4	267	149	94
DH09-083	19.11	19.64	0.53	167764	0.04	--	--	<5	2.3	219	55	270

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-083	19.64	20.69	1.05	167765	0.09	--	--	<5	8.3	291	185	292
DH09-083	20.69	21.85	1.16	167767	0.03	--	--	<5	1.6	330	78	295
DH09-083	37.37	38.41	1.04	167768	0.03	--	--	<5	2.1	82	42	96
DH09-083	38.41	39.23	0.82	167769	0.09	--	--	<5	4.9	145	49	269
DH09-083	39.23	40.54	1.31	167770	0.15	--	--	5	5.3	275	10	1416
DH09-083	40.54	41.55	1.01	167771	0.08	--	--	<5	2.5	281	22	322
DH09-083	41.55	42.55	1.00	167772	0.02	--	--	<5	1.0	124	32	126
DH09-084	5.18	6.93	1.75	167774	0.05	--	--	<5	3.4	257	75	155
DH09-084	11.52	13.02	1.50	167775	0.11	--	--	<5	5.8	354	115	374
DH09-084	13.02	14.52	1.50	167776	0.05	--	--	<5	2.5	207	47	180
DH09-084	19.10	20.10	1.00	167777	0.02	--	--	<5	0.8	98	28	108
DH09-084	20.10	20.73	0.63	167778	0.04	--	--	<5	2.1	525	16	470
DH09-084	20.73	21.98	1.25	167779	0.11	--	--	<5	4.1	281	119	786
DH09-084	21.98	22.98	1.00	167781	0.12	--	--	<5	4.5	362	79	1167
DH09-084	22.98	23.27	0.29	167782	0.04	--	--	<5	3.9	662	34	3078
DH09-084	23.27	23.73	0.46	167783	0.04	--	--	<5	2.2	99	14	658
DH09-084	23.73	25.38	1.65	167784	<0.01	--	--	<5	<0.1	29	3	72
DH09-085	20.69	21.76	1.07	167797	0.01	--	--	<5	<0.1	49	6	91
DH09-085	21.76	22.21	0.45	167798	0.10	--	--	<5	4.2	609	25	2818
DH09-085	22.21	23.29	1.08	167799	0.53	--	--	17	30.3	361	79	3119
DH09-085	23.29	23.69	0.40	167800	0.04	--	--	<5	2.9	269	76	477
DH09-085	23.69	24.22	0.53	167801	0.06	--	--	<5	3.8	194	20	768
DH09-085	24.22	24.77	0.55	167802	0.14	--	--	<5	7.1	438	42	1903
DH09-085	24.77	25.49	0.72	167804	1.15	1.17	58.4	55	59.5	526	79	3404
DH09-085	25.49	26.51	1.02	167805	0.02	--	--	<5	0.4	38	7	60
DH09-086	21.75	23.10	1.35	167807	0.02	--	--	<5	0.2	79	<1	163
DH09-086	23.10	23.90	0.80	167808	0.96	--	--	29	30.2	290	28	469
DH09-086	23.90	24.25	0.35	167809	0.18	--	--	17	42.9	87	551	1607
DH09-086	24.25	25.87	1.62	167810	0.37	--	--	<5	15.3	504	48	749
DH09-086	25.87	26.50	0.63	167811	0.78	--	--	10	31.9	360	422	924
DH09-086	26.50	26.85	0.35	167812	0.18	--	--	<5	6.0	87	19	355
DH09-086	26.85	27.10	0.25	167814	0.06	--	--	<5	7.8	1827	17	851
DH09-086	27.10	27.44	0.34	167815	0.02	--	--	<5	0.6	84	10	68
DH09-086	27.44	28.04	0.60	167816	0.03	--	--	<5	0.7	363	7	113

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-086	28.04	29.50	1.46	167817	0.01	--	--	<5	0.5	34	9	135
DH09-087	4.57	6.52	1.95	167786	0.02	--	--	<5	0.4	111	20	174
DH09-087	6.52	7.77	1.25	167787	0.35	--	--	15	14.5	836	81	319
DH09-087	22.38	23.78	1.40	167788	0.06	--	--	<5	3.6	185	43	553
DH09-087	23.78	24.52	0.74	167789	0.35	--	--	15	16.3	137	103	1111
DH09-087	24.52	25.52	1.00	167790	0.04	--	--	<5	4.7	573	32	16308
DH09-087	25.52	26.67	1.15	167791	0.06	--	--	<5	1.8	197	17	1646
DH09-087	26.67	27.43	0.76	167793	0.58	--	--	23	26.7	430	36	3785
DH09-087	33.45	34.95	1.50	167794	0.02	--	--	<5	2.0	158	30	333
DH09-087	39.75	41.25	1.50	167795	0.01	--	--	<5	1.0	53	28	135
DH09-088	4.19	5.05	0.86	167819	0.08	--	--	<5	8.4	549	27	178
DH09-088	23.73	24.73	1.00	167820	0.02	--	--	<5	1.6	127	49	121
DH09-088	24.73	25.73	1.00	167821	0.03	--	--	<5	1.2	102	36	203
DH09-088	25.73	26.11	0.38	167822	4.50	4.74	192.9	95	205.0	616	133	4462
DH09-088	26.11	26.41	0.30	167833	0.13	--	--	<5	5.9	59	23	385
DH09-088	26.41	26.82	0.41	167824	4.90	4.88	209.0	88	224.2	1202	1186	5159
DH09-088	26.82	27.08	0.26	167826	0.17	--	--	10	13.1	72	24	304
DH09-088	27.08	27.43	0.35	167827	7.20	7.60	378.4	262	293.7	2272	100	1855
DH09-088	27.43	27.73	0.30	167828	40.45	40.40	979.3	671	245.1	53212	375	452
DH09-088	27.73	28.23	0.50	167829	20.93	19.96	310.3	280	320.5	8147	76	50379
DH09-088	28.23	28.78	0.55	167830	0.81	--	--	<5	30.6	696	12	22699
DH09-088	28.78	29.28	0.50	167831	0.11	--	--	<5	3.4	74	13	609
DH09-088	29.28	30.33	1.05	167833	0.13	--	--	<5	4.6	142	15	635
DH09-088	30.33	30.60	0.27	167834	0.44	--	--	<5	9.6	543	9	53970
DH09-088	30.60	31.60	1.00	167835	0.09	--	--	<5	1.8	129	16	7430
DH09-088	31.60	32.60	1.00	167836	0.12	--	--	<5	2.0	105	19	918
DH09-088	32.60	33.60	1.00	167837	0.11	--	--	<5	2.2	59	22	628
DH09-088	33.60	34.60	1.00	167838	0.11	--	--	<5	2.4	60	21	674
DH09-088	34.60	36.00	1.40	167840	0.01	--	--	<5	0.3	98	19	112
DH09-088	36.00	38.00	2.00	167841	0.07	--	--	<5	2.8	145	17	631
DH09-089	3.20	3.86	0.66	167885	7.78	7.52	287.6	461	299.6	5921	2576	2363
DH09-089	26.91	27.51	0.60	167886	0.04	--	--	<5	1.5	133	42	133
DH09-089	27.51	27.86	0.35	167887	0.04	--	--	<5	8.0	132	255	3557
DH09-089	27.86	28.76	0.90	167888	0.04	--	--	<5	6.2	291	273	493

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-089	29.69	30.59	0.90	167889	0.12	--	--	<5	7.3	228	343	1499
DH09-089	36.10	37.20	1.10	167890	<0.01	--	--	<5	<0.1	99	18	57
DH09-089	37.20	38.20	1.00	167892	<0.01	--	--	<5	0.4	138	27	167
DH09-089	38.20	39.00	0.80	167893	0.07	--	--	<5	13.1	195	192	1501
DH09-089	39.00	39.80	0.80	167894	0.02	--	--	<5	1.1	174	23	106
DH09-089	39.80	40.35	0.55	167895	0.01	--	--	<5	0.1	56	4	46
DH09-089	40.35	41.00	0.65	167896	0.01	--	--	<5	0.2	89	15	122
DH09-090	19.85	21.02	1.17	167843	0.01	--	--	<5	1.9	169	31	67
DH09-090	21.02	23.16	2.14	167844	0.02	--	--	<5	8.1	130	182	368
DH09-090	23.16	23.67	0.51	167845	0.01	--	--	<5	<0.1	107	12	49
DH09-090	23.67	24.00	0.33	167846	0.01	--	--	<5	0.6	107	11	43
DH09-090	24.00	24.86	0.86	167847	0.01	--	--	<5	3.5	134	67	2095
DH09-090	24.86	25.91	1.05	167848	0.01	--	--	<5	1.1	159	15	63
DH09-090	25.91	26.75	0.84	167850	0.01	--	--	<5	1.1	190	21	109
DH09-090	26.75	28.27	1.52	167851	0.02	--	--	<5	0.7	144	11	1274
DH09-090	28.27	29.08	0.81	167852	0.02	--	--	<5	1.7	284	10	1034
DH09-090	29.08	30.00	0.92	167853	0.33	--	--	<5	16.0	764	30	5478
DH09-090	30.00	31.50	1.50	167854	2.64	2.74	102.7	<5	107.4	2311	219	21970
DH09-090	31.50	32.40	0.90	167855	0.11	--	--	<5	23.9	678	16	14056
DH09-090	32.40	33.30	0.90	167857	0.30	--	--	<5	9.3	1042	31	10610
DH09-090	33.30	34.94	1.64	167858	0.03	--	--	<5	1.5	181	21	365
DH09-090	34.94	35.36	0.42	167859	0.19	--	--	<5	15.3	1059	50	2235
DH09-090	35.36	35.66	0.30	167860	0.17	--	--	<5	1.8	35	28	82
DH09-090	35.66	35.86	0.20	167861	0.14	--	--	<5	14.7	2616	14	8106
DH09-090	35.86	36.60	0.74	167862	0.04	--	--	<5	1.9	223	17	92
DH09-090	36.60	36.85	0.25	167864	0.05	--	--	<5	2.1	286	25	158
DH09-090	36.85	37.84	0.99	167865	0.11	--	--	<5	3.9	416	17	609
DH09-090	37.84	38.41	0.57	167866	0.14	--	--	<5	18.4	1939	22	398
DH09-090	38.41	39.82	1.41	167867	0.22	--	--	9	8.4	426	16	84
DH09-090	39.82	40.80	0.98	167868	1.30	1.30	78.1	<5	75.2	3144	11	32804
DH09-090	40.80	41.04	0.24	167869	4.39	4.40	315.2	50	301.1	38049	59	22963
DH09-090	41.04	41.75	0.71	167871	11.15	11.20	265.2	231	302.9	6624	562	14701
DH09-090	41.75	42.97	1.22	167872	2.96	2.92	82.3	<5	86.1	3287	14	14466
DH09-090	42.97	43.59	0.62	167873	3.83	3.64	98.6	28	103.4	2067	22	9681

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-090	43.59	44.50	0.91	167874	0.40	--	--	<5	10.7	447	8	2522
DH09-090	44.50	45.75	1.25	167875	0.13	--	--	<5	4.9	114	12	647
DH09-090	45.75	46.35	0.60	167876	4.80	4.82	131.3	72	117.4	948	30	12768
DH09-090	46.35	47.18	0.83	167878	1.44	1.39	--	8	48.7	3680	23	3791
DH09-090	47.18	48.20	1.02	167879	0.95	--	--	<5	43.3	1102	36	3986
DH09-090	48.20	48.66	0.46	167880	2.19	2.17	54.5	16	56.6	1091	43	3922
DH09-090	48.66	50.44	1.78	167881	0.25	--	--	<5	8.7	271	15	545
DH09-090	50.44	52.00	1.56	167882	0.10	--	--	<5	3.6	91	11	416
DH09-090	52.00	53.34	1.34	167883	0.52	--	--	8	20.9	411	16	1334
DH09-091	4.97	5.40	0.43	167898	0.02	--	--	<5	1.1	117	32	77
DH09-091	8.40	8.90	0.50	167899	0.02	--	--	<5	1.0	151	40	429
DH09-091	23.92	25.45	1.53	167900	0.01	--	--	<5	0.8	245	12	1179
DH09-091	25.45	26.84	1.39	167901	0.46	--	--	<5	20.1	1281	61	6345
DH09-091	26.84	27.95	1.11	167902	0.03	--	--	<5	1.3	181	24	229
DH09-091	29.93	31.38	1.45	167903	0.03	--	--	<5	0.9	102	26	151
DH09-091	31.38	31.90	0.52	167905	0.02	--	--	<5	1.3	297	34	1557
DH09-091	31.90	32.33	0.43	167906	0.10	--	--	<5	18.4	1028	335	8705
DH09-091	32.33	32.83	0.50	167907	0.38	--	--	<5	18.6	369	121	6324
DH09-091	32.83	34.10	1.27	167908	0.02	--	--	<5	<0.1	29	6	195
DH09-091	34.10	34.45	0.35	167909	0.05	--	--	<5	8.4	252	25	2201
DH09-091	34.45	35.60	1.15	167910	0.06	--	--	<5	<0.1	21	5	38
DH09-091	35.60	37.08	1.48	167912	<0.01	--	--	<5	3.1	123	134	788
DH09-092	2.33	3.15	0.82	167914	1.42	1.36	59.2	42	54.7	556	134	1437
DH09-092	3.15	3.80	0.65	167915	9.28	9.10	310.9	316	230.3	1672	285	603
DH09-092	3.80	4.74	0.94	167916	1.11	1.06	--	44	48.6	1049	283	1512
DH09-092	4.74	5.92	1.18	167917	2.57	2.55	104.7	9	110.7	3946	41	5997
DH09-092	16.15	17.34	1.19	167918	0.22	--	--	<5	7.5	210	100	507
DH09-092	17.34	18.12	0.78	167919	0.04	--	--	<5	2.1	232	87	401
DH09-092	18.12	18.82	0.70	167921	4.59	5.00	256.6	102	267.8	1161	1989	12296
DH09-092	18.82	19.52	0.70	167922	30.54	29.90	1014.1	737	248.3	4129	4246	11239
DH09-092	19.52	20.08	0.56	167923	2.35	2.27	78.9	61	83.9	157	1614	1527
DH09-092	20.08	20.38	0.30	167924	6.05	5.98	212.9	126	222.7	2071	3203	7627
DH09-092	20.38	20.88	0.50	167925	0.20	--	--	<5	5.8	56	42	896
DH09-092	20.88	21.85	0.97	167926	0.19	--	--	<5	4.0	34	47	771

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-092	21.85	23.00	1.15	167928	0.08	--	--	<5	4.4	19	8	170
DH09-092	23.00	23.80	0.80	167929	0.04	--	--	<5	2.7	55	26	131
DH09-093	3.05	4.17	1.12	167945	0.68	--	95.2	<5	102.3	1083	1582	4429
DH09-093	4.17	5.37	1.20	167946	0.27	--	--	<5	13.9	264	151	1060
DH09-093	17.01	17.59	0.58	167947	0.40	--	--	<5	39.1	275	1116	2195
DH09-093	17.59	18.52	0.93	167948	0.42	--	168.4	40	172.2	1723	43	5657
DH09-093	18.52	19.32	0.80	167949	0.46	--	--	11	15.5	126	79	892
DH09-093	19.32	20.12	0.80	167950	9.23	9.90	463.2	350	357.6	6387	468	32667
DH09-093	20.12	21.07	0.95	167952	2.94	3.00	137.7	<5	146.4	1917	241	18030
DH09-093	21.07	22.07	1.00	167953	0.09	--	--	<5	2.1	117	25	345
DH09-094	4.53	5.03	0.50	167931	8.36	8.80	129.4	112	148.7	203	31	3851
DH09-094	6.25	6.64	0.39	167932	0.94	--	--	16	18.0	183	3	571
DH09-094	13.57	14.54	0.97	167933	0.38	--	--	<5	5.1	255	8	225
DH09-094	14.54	15.24	0.70	167934	0.63	--	--	<5	9.7	1111	14	383
DH09-094	15.24	15.44	0.20	167935	0.14	--	--	<5	1.6	158	1	312
DH09-094	15.44	15.99	0.55	167936	0.34	--	--	5	7.0	317	14	220
DH09-094	15.44	16.49	1.05	167938	2.96	3.00	--	36	36.8	214	10	277
DH09-094	18.29	20.96	2.67	167939	0.55	--	--	10	11.5	179	41	522
DH09-094	20.96	22.05	1.09	167940	0.03	--	--	<5	0.5	67	8	54
DH09-094	37.15	38.02	0.87	167941	0.33	--	--	7	7.6	335	13	90
DH09-094	38.02	38.51	0.49	167942	3.79	4.00	74.4	86	76.2	751	13	1828
DH09-094	38.51	39.71	1.20	167943	0.06	--	--	<5	1.0	50	11	43
DH09-095	5.20	5.63	0.43	167976	0.55	--	--	<5	11.9	195	8	586
DH09-095	9.00	9.52	0.52	167977	5.90	6.00	115.8	63	127.6	979	108	8922
DH09-095	12.11	13.11	1.00	167978	0.57	--	--	9	10.2	315	15	254
DH09-095	13.11	13.85	0.74	167979	18.19	17.96	262.3	363	270.7	1097	1272	1839
DH09-095	13.85	14.32	0.47	167980	5.26	5.00	104.7	122	113.7	2108	81	771
DH09-095	14.32	15.82	1.50	167981	2.93	2.86	71.3	73	79.0	251	18	173
DH09-095	23.54	24.19	0.65	167983	4.07	4.06	--	89	38.6	466	113	711
DH09-095	25.50	26.10	0.60	167984	18.96	19.00	486.0	491	263.4	153	75	4139
DH09-096	16.41	16.81	0.40	167955	0.72	--	--	8	8.3	68	7	202
DH09-096	20.45	21.37	0.92	167956	0.75	--	--	9	14.0	249	22	489
DH09-096	21.37	22.37	1.00	167957	0.07	--	--	<5	0.6	60	25	82
DH09-096	23.72	24.09	0.37	167958	3.04	3.00	52.1	19	50.0	717	25	3530

SAMPLE INTERVALS					RESULTS							
Drill Hole	From (m)	To (m)	Length (m)	Sample #	Au (g/t) FA/AAS	Au (g/t) FAGrav	Ag (g/t) FAGrav	Te (ppm) AqR/AA	Ag (ppm) ICP	Cu (ppm) ICP	Pb (ppm) ICP	Zn (ppm) ICP
DH09-096	32.34	32.84	0.50	167959	0.63	--	--	6	15.1	198	13	1138
DH09-096	32.84	33.55	0.71	167960	0.73	--	--	21	17.9	150	24	282
DH09-096	33.55	33.91	0.36	167962	0.03	--	--	<5	0.7	66	35	108
DH09-096	33.91	34.15	0.24	167963	2.39	2.60	100.0	124	104.7	10440	78	727
DH09-096	34.15	34.75	0.60	167964	0.32	--	--	10	7.0	190	15	181
DH09-096	34.75	35.00	0.25	167965	9.71	10.01	1963.9	2471	271.1	4373	232	9607
DH09-096	35.00	35.50	0.50	167966	0.79	--	--	20	23.1	250	10	1102
DH09-096	35.50	35.95	0.45	167967	1.25	1.25	--	22	18.6	479	19	284
DH09-096	47.10	47.60	0.50	167969	0.13	--	--	<5	1.2	43	7	67
DH09-096	47.60	48.00	0.40	167970	4.97	4.98	87.2	56	90.2	562	12	6920
DH09-096	48.00	48.64	0.64	167971	0.13	--	--	<5	1.9	50	6	86
DH09-096	48.64	49.14	0.50	167972	0.19	--	--	<5	3.7	75	14	299
DH09-096	49.14	49.83	0.69	167973	1.98	2.12	--	39	26.7	630	335	496
DH09-096	49.83	50.32	0.49	167974	0.01	--	--	<5	0.2	64	17	52

APPENDIX D

LABORATORY CERTIFICATES

VA09075567 - Finalized
CLIENT : "PLATEM - Plateau Minerals Corp"
# of SAMPLES : 26
DATE RECEIVED : 2009-07-27 DATE FINALIZED : 2009-08-15
PROJECT : "DEER HORN"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	ME-GRA22	ME-GRA22	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
SAMPLE	Au	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo
DESCRIPTION	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm
DH09-001	93.6	1655	>200	0.51	<50	50	<10	450	<0.05	1350	20	50	7790	9.98	<50	0.3	<50	<0.05	80	50
DH09-002	26.2	899	>200	0.69	50	60	<10	80	<0.05	160	10	40	1350	3.55	<50	0.5	<50	<0.05	60	20
DH09-003	45	1760	>200	0.17	<50	<50	<10	80	<0.05	810	<10	30	4360	5.07	<50	0.1	<50	<0.05	50	20
DH09-004	1.34	478	>200	0.73	<50	60	<10	70	<0.05	250	10	30	1640	2.23	<50	0.4	<50	<0.05	80	<10
DH09-005	19.15	609	>200	0.13	<50	<50	<10	20	<0.05	140	10	40	1040	2.44	<50	<0.1	<50	<0.05	50	20
DH09-006	0.57	24	27	0.72	<50	50	<10	<20	<0.05	10	10	40	370	4.55	<50	0.3	<50	<0.05	100	<10
DH09-007	0.08	22	25	0.34	<50	60	<10	120	<0.05	<10	<10	20	20	0.89	<50	0.3	<50	<0.05	50	10
DH09-008	15.85	654	>200	0.12	<50	<50	<10	100	<0.05	510	10	30	3340	3.26	<50	<0.1	<50	<0.05	60	<10
DH09-009	0.22	<5	7	0.58	<50	80	<10	<20	<0.05	<10	<10	30	70	2.04	<50	0.3	<50	<0.05	50	30
DH09-010	48.8	3100	>200	0.06	50	<50	<10	320	<0.05	3170	10	30	5380	5.11	<50	<0.1	<50	<0.05	60	10
DH09-011	49.3	3340	>200	0.08	50	<50	<10	500	<0.05	4040	10	20	9020	7.88	<50	<0.1	<50	<0.05	70	10
DH09-012	101	1400	>200	0.14	<50	<50	<10	400	<0.05	540	10	40	1720	4.42	<50	0.1	<50	<0.05	60	30
DH09-013	0.54	17	28	1.07	<50	130	<10	120	<0.05	20	<10	20	2230	10.35	<50	1	<50	0.06	70	100
DH09-014	26.9	258	>200	1.11	<50	270	<10	200	<0.05	10	10	40	140	2.05	<50	0.9	<50	0.05	60	10
DH09-015	3.35	50	55	0.81	<50	130	<10	90	<0.05	10	10	30	190	2.39	<50	0.7	<50	0.05	60	10
DH09-016	0.08	<5	10	0.57	<50	70	<10	20	<0.05	<10	10	30	40	0.89	<50	0.3	<50	0.06	60	<10
DH09-017	<0.05	<5	5	2.71	<50	430	<10	<20	0.11	<10	10	30	50	1.53	<50	2.7	<50	0.24	130	50
DH09-018	3.3	79	86	0.72	<50	280	<10	100	<0.05	10	10	30	1470	4.16	<50	1.1	<50	0.11	80	<10
DH09-019			44	1.79	<50	680	<10	140	<0.05	<10	<10	20	20	1.16	<50	4.3	<50	0.08	90	10
DH09-020			1	5.5	<50	530	<10	<20	0.86	<10	20	80	50	2.75	<50	1.2	<50	0.74	320	<10
DH09-022			2	4.85	<50	310	<10	<20	2.81	<10	10	20	40	3.93	<50	1	<50	0.66	1500	<10
DH09-023			<1	5.6	<50	850	<10	<20	2.1	<10	10	10	10	3.96	<50	2.2	<50	0.62	1260	250
DH09-024			<1	4.1	<50	120	<10	<20	1.35	<10	<10	<10	50	1.95	<50	0.6	<50	0.38	1060	<10
DH09-025			2	1.75	<50	350	<10	<20	0.43	<10	10	20	50	2.29	<50	0.7	<50	0.14	380	1850
DH09-026			1	3.92	<50	540	<10	<20	1.21	<10	<10	10	<10	2.29	<50	1.6	<50	0.42	980	30
DH09-027			1	2.6	<50	170	10	<20	0.2	<10	<10	10	<10	0.4	<50	3.1	<50	<0.05	1290	<10

VA09075567 - Fi
CLIENT : "PLATEN
# of SAMPLES : 2
DATE RECEIVED :
PROJECT : "DEER
CERTIFICATE CO
PO NUMBER : " "

	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	Ag-OG62	Pb-OG62	Ag-GRA21
SAMPLE	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Pb	Ag
DESCRIPTION	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
DH09-001	0.07	10	70	270	10	<50	<10	10	<50	<0.05	<50	<50	10	360	15900	>1500		1630
DH09-002	<0.05	<10	<50	1420	1.5	<50	<10	<10	<50	<0.05	<50	<50	10	<50	2130	932		
DH09-003	<0.05	<10	<50	70	3.7	<50	<10	<10	<50	<0.05	<50	<50	<10	230	10300	>1500		1760
DH09-004	<0.05	<10	<50	2490	1.2	<50	<10	<10	<50	<0.05	<50	<50	10	<50	3270	518		
DH09-005	<0.05	<10	<50	5430	1.5	<50	<10	<10	<50	<0.05	<50	<50	<10	<50	1940	669		
DH09-006	<0.05	<10	<50	140	0.3	<50	<10	<10	<50	<0.05	<50	<50	50	<50	100			
DH09-007	<0.05	<10	<50	100	<0.1	<50	<10	<10	<50	<0.05	<50	<50	<10	<50	<20			
DH09-008	<0.05	<10	<50	4390	3	<50	<10	<10	<50	<0.05	<50	<50	<10	<50	7010	721		
DH09-009	<0.05	<10	<50	90	0.5	<50	<10	<10	<50	<0.05	<50	<50	10	<50	100			
DH09-010	<0.05	<10	<50	83600	6.8	<50	<10	<10	<50	<0.05	<50	<50	<10	<50	44000	>1500		3150
DH09-011	<0.05	<10	<50	>100000	10.9	<50	<10	10	<50	<0.05	<50	<50	<10	<50	54400	>1500	14.9	3470
DH09-012	<0.05	<10	<50	610	4.4	<50	<10	10	<50	<0.05	<50	<50	<10	530	8640	1420		
DH09-013	0.13	<10	<50	730	6.2	<50	<10	10	<50	<0.05	<50	<50	20	<50	290			
DH09-014	0.05	<10	70	170	0.4	<50	<10	10	<50	<0.05	<50	<50	10	<50	150	293		
DH09-015	<0.05	<10	60	60	1.5	<50	<10	<10	<50	<0.05	<50	<50	10	110	100			
DH09-016	<0.05	<10	<50	50	0.1	<50	<10	<10	<50	<0.05	<50	<50	10	<50	20			
DH09-017	1.42	<10	150	60	0.5	<50	<10	60	<50	0.1	<50	<50	30	<50	40			
DH09-018	0.12	<10	140	40	3.1	<50	<10	20	<50	0.08	<50	<50	20	<50	90			
DH09-019	0.14	<10	50	400	0.1	<50	<10	100	<50	<0.05	<50	<50	10	<50	50			
DH09-020	0.68	80	260	20	0.8	<50	10	140	<50	0.24	<50	<50	150	<50	70			
DH09-022	2.66	<10	650	30	<0.1	<50	10	210	<50	0.43	<50	<50	60	<50	140			
DH09-023	1.76	<10	660	20	0.1	<50	10	210	<50	0.36	<50	<50	90	<50	100			
DH09-024	2.44	<10	300	<20	<0.1	<50	10	140	<50	0.24	<50	<50	20	<50	100			
DH09-025	0.51	<10	160	<20	0.2	<50	<10	70	<50	0.09	<50	<50	30	<50	20			
DH09-026	2.8	<10	390	20	<0.1	<50	10	240	<50	0.28	<50	<50	30	<50	100			
DH09-027	2.88	<10	<50	50	<0.1	<50	<10	20	<50	<0.05	<50	<50	<10	<50	<20			

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ISO 9001:2000 Certified

Certificate#: 09J2985
Client: Plateau Minerals Corp
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 5
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au >1ppm redo by FAGrav
Comment #2: Ag >50ppm redo by FaGrav
Date In: Oct 19, 2009
Date Out: Oct 29, 2009

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm
DH09-033	Rock	2.8	0.07	--	--	<5	10.3	546	42	372	<5	<5	<3	52	<10	21
DH09-034	Rock	3.1	0.22	--	--	<5	8.6	708	58	331	<5	<5	<3	25	<10	<2
DH09-035	Rock	13.0	16.31	20.58	718.2	631	566.2	8901	467	19140	8	<5	<3	17	<10	162
DH09-036	Rock	12.5	9.45	9.71	402.7	332	389.6	375	2850	595	11	<5	<3	5	<10	25
DH09-030 BL	Rock	1.4	0.37	--	--	35	23.1	2478	58	5601	<5	<5	<3	20	<10	53
RE DH09-033	Repeat	--	0.06	--	--	<5	9.9	553	42	375	<5	<5	<3	53	<10	21
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	1.82	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09J2985
Client: Plateau Minerals Corp
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 5
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au >1ppm redo by FAGrav
Comment #2: Ag >50ppm redo by FaGrav
Date In: Oct 19, 2009
Date Out: Oct 29, 2009

Sample Name	SampleType	Wt Kg	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %
DH09-033	Rock	2.8	31.0	3	5	2	<5	162	<1	23	3	<1	<1	<1	<0.01	0.03
DH09-034	Rock	3.1	<0.2	15	33	43	38	127	108	652	18	10	<1	5	0.12	2.64
DH09-035	Rock	13.0	1381.2	24	6	7	<5	145	7	62	14	<1	<1	<1	<0.01	0.14
DH09-036	Rock	12.5	41.7	7	3	4	<5	182	4	22	2	<1	<1	<1	<0.01	0.03
DH09-030 BL	Rock	1.4	480.3	16	6	9	<5	188	10	39	8	2	<1	<1	0.01	0.14
RE DH09-033	Repeat	--	32.0	3	5	2	<5	163	<1	23	3	<1	<1	<1	<0.01	0.03
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.2	1	1	2	5	1	1	1	2	1	1	1	0.01	0.01
Maximum detection		9999	2000	10000	10000	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the c*

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Certificate#: 09J2985
Client: Plateau Minerals Corp
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 5
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au >1ppm redo by FAGrav
Comment #2: Ag >50ppm redo by FaGrav
Date In: Oct 19, 2009
Date Out: Oct 29, 2009

Sample Name	SampleType	Wt Kg	Ca %	Fe %	Mg %	K %	Na %	P %
DH09-033	Rock	2.8	<0.01	1.50	<0.01	0.01	0.01	<0.01
DH09-034	Rock	3.1	0.44	4.68	1.81	0.55	0.06	0.09
DH09-035	Rock	13.0	0.01	6.36	0.01	0.03	0.01	<0.01
DH09-036	Rock	12.5	<0.01	0.88	0.01	0.02	0.01	<0.01
DH09-030 BL	Rock	1.4	0.01	3.88	0.06	0.06	0.02	0.01
RE DH09-033	Repeat	--	<0.01	1.47	<0.01	0.01	0.01	<0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the c*

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ISO 9001:2000 Certified

Certificate#: 09K3269
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 17
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1g/t do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 13, 2009
Date Out: Nov 24, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
DH09-037	Rock	13.2	0.97	--	--	32	40.6	150	182	40	16	<5	<3	21	<10	10	<0.2	3	4	5	11	160
DH09-038	Rock	4.6	0.72	--	--	14	30.2	512	176	119	<5	<5	<3	7	<10	7	6.8	11	6	4	<5	218
DH09-039	Rock	5.1	0.11	--	--	5	10.9	188	43	17	<5	<5	<3	14	<10	30	<0.2	8	4	13	<5	168
DH09-040	Rock	8.8	0.05	--	--	<5	7.7	1158	67	1949	<5	<5	<3	51	<10	19	168.5	3	4	3	<5	194
DH09-041	Rock	7.0	21.25	20.68	736.5	593	746.9	1505	8132	1578	<5	<5	<3	3	<10	26	111.5	1	5	6	<5	219
DH09-042	Rock	6.8	12.89	13.32	586.1	460	579.1	168	2487	171	41	<5	<3	31	<10	24	9.6	1	4	5	<5	226
DH09-043	Rock	7.9	10.68	10.33	283.0	268	283.0	122	2042	58	<5	<5	<3	12	<10	48	0.3	1	5	2	<5	242
DH09-044	Rock	5.8	5.12	5.24	103.6	164	103.6	146	71	31	8	<5	<3	27	<10	71	<0.2	2	4	7	13	209
DH09-045	Rock	10.0	31.56	33.06	1345.8	881	1354.2	1897	5871	5588	<5	<5	<3	87	<10	176	394.3	9	5	20	<5	153
DH09-046	Rock	4.0	9.34	9.31	466.2	235	466.2	3117	5265	6881	<5	<5	<3	8	<10	95	446.2	10	7	12	110	179
DH09-047	Rock	3.8	5.69	5.63	228.3	210	228.3	2312	1506	2749	7	<5	<3	6	<10	102	190.4	11	7	18	6	139
DH09-048	Rock	21.4	17.63	17.90	500.1	305	500.1	1559	1138	8620	10	5	<3	15	<10	105	691.6	6	5	3	12	190
DH09-049	Rock	3.6	0.55	--	--	18	28.7	271	242	1359	7	<5	<3	4	<10	23	116.7	3	5	9	6	196
DH09-050	Rock	5.3	0.10	--	--	6	5.3	55	58	73	<5	<5	<3	20	<10	20	3.3	3	5	5	<5	231
DH09-051	Rock	3.0	29.17	28.26	1969.2	708	2089.5	13883	16285	85570	55	35	<3	46	<10	755	6459.0	13	8	9	239	145
ZB09-01	Rock	1.3	12.73	12.16	665.1	<5	670.1	2715	15770	100462	81375	971	<3	<1	<10	41	735.4	78	15	11	297	129
ZB09-02	Rock	1.0	9.66	9.47	1298.9	<5	1302.8	3286	16082	40019	56287	1607	<3	<1	<10	22	260.8	42	11	14	24	69
RE DH09-037	Repeat	--	0.97	--	--	33	--	150	182	40	16	<5	<3	21	<10	10	<0.2	3	4	5	10	160
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09K3269
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 17
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1g/t do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 13, 2009
Date Out: Nov 24, 2009

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
DH09-037	Rock	13.2	12	76	3	1	<1	<1	<0.01	0.15	0.01	1.40	0.04	0.05	0.01	<0.01
DH09-038	Rock	4.6	7	37	<2	<1	<1	<1	<0.01	0.10	0.01	1.95	0.02	0.03	0.01	<0.01
DH09-039	Rock	5.1	1	27	<2	<1	<1	<1	<0.01	0.04	<0.01	1.41	<0.01	0.03	<0.01	<0.01
DH09-040	Rock	8.8	4	28	<2	<1	<1	<1	<0.01	0.03	<0.01	1.32	<0.01	0.02	<0.01	<0.01
DH09-041	Rock	7.0	<1	31	<2	1	<1	<1	<0.01	0.03	<0.01	1.73	<0.01	0.02	<0.01	<0.01
DH09-042	Rock	6.8	3	28	<2	<1	<1	<1	<0.01	0.04	<0.01	1.62	<0.01	0.02	<0.01	<0.01
DH09-043	Rock	7.9	2	29	<2	<1	<1	<1	<0.01	0.02	<0.01	1.30	<0.01	0.01	<0.01	<0.01
DH09-044	Rock	5.8	9	32	<2	<1	<1	<1	<0.01	0.14	<0.01	2.05	0.02	0.06	0.01	0.01
DH09-045	Rock	10.0	2	25	<2	1	<1	<1	<0.01	0.08	<0.01	3.73	0.01	0.10	0.01	0.01
DH09-046	Rock	4.0	44	340	22	18	<1	<1	0.05	0.68	0.20	3.76	0.34	0.12	0.03	0.02
DH09-047	Rock	3.8	41	218	17	8	<1	<1	0.04	1.03	0.43	3.76	0.26	0.21	0.06	0.03
DH09-048	Rock	21.4	8	44	<2	<1	<1	<1	<0.01	0.06	<0.01	2.96	0.01	0.01	<0.01	<0.01
DH09-049	Rock	3.6	7	57	3	<1	<1	<1	<0.01	0.19	0.01	0.87	0.03	0.08	0.01	<0.01
DH09-050	Rock	5.3	5	31	<2	<1	<1	<1	<0.01	0.08	0.02	0.76	0.01	0.05	0.01	<0.01
DH09-051	Rock	3.0	<1	96	<2	2	<1	<1	<0.01	0.02	<0.01	6.35	<0.01	<0.01	<0.01	<0.01
ZB09-01	Rock	1.3	13	842	12	8	<1	<1	<0.01	0.05	0.73	11.24	0.27	0.02	<0.01	<0.01
ZB09-02	Rock	1.0	33	1537	29	14	<1	<1	<0.01	0.09	1.24	9.23	0.52	0.04	0.01	<0.01
RE DH09-037	Repeat	--	12	76	3	1	<1	<1	<0.01	0.15	0.01	1.39	0.04	0.05	0.01	0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corres*

Inspectorate IPL
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ISO 9001:2000 Certified

Certificate#: 09K3288
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 136
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 16, 2009
Date Out: Nov 26, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168301	Pulp	--	0.01	--	--	<5	<0.1	21	<2	38	<5	<5	<3	5	<10	<2	<0.2	8	31	95	7	50
168302	Rock	4.0	0.07	--	--	<5	2.6	171	15	196	<5	<5	<3	5	<10	<2	<0.2	13	11	45	<5	56
168303	Rock	5.0	0.83	--	--	13	13.8	172	6	782	<5	<5	<3	3	<10	<2	39.5	13	11	53	12	63
168304	Rock	1.2	26.04	25.78	358.7	514	387.1	2232	86	2215	7	8	<3	9	<10	181	170.4	1	4	4	<5	171
168305	Rock	0.8	35.91	34.98	497.0	879	390.7	5851	240	2148	9	8	<3	10	<10	441	182.4	<1	5	5	<5	132
168306	Rock	0.9	4.34	4.49	112.7	103	98.1	264	105	1068	<5	<5	<3	4	<10	22	78.7	3	4	11	<5	157
168307	Rock	4.3	0.38	--	--	14	16.4	291	25	401	<5	<5	<3	12	<10	<2	13.0	13	11	42	7	67
168308	Pulp	--	9.62	10.14	252.8	<5	295.1	1739	15561	8968	586	1051	6	840	<10	10	22.9	16	26	12	7	24
168309	Rock	4.3	0.50	--	--	9	13.0	449	20	1180	<5	<5	<3	11	<10	<2	65.2	12	10	33	26	63
168310	Rock	4.4	0.20	--	--	<5	4.7	274	3	475	<5	<5	<3	3	<10	<2	16.0	13	11	46	9	57
168311	Rock	4.4	0.16	--	--	<5	5.0	340	<2	311	<5	<5	<3	3	<10	<2	5.2	13	11	40	19	56
168312	Rock	1.1	1.36	1.45	--	36	24.1	241	17	904	<5	<5	<3	34	<10	15	72.1	2	5	6	<5	165
168313	Rock	3.8	0.23	--	--	5	5.1	198	<2	313	<5	<5	<3	22	<10	<2	11.0	10	8	37	108	62
168314	Rock	4.0	0.02	--	--	<5	<0.1	8	<2	96	<5	<5	<3	<1	<10	<2	<0.2	14	10	70	<5	58
168315	Rock	2.0	<0.01	--	--	<5	<0.1	7	<2	92	<5	<5	<3	1	<10	<2	<0.2	13	10	72	<5	50
168316	Rock	3.6	0.01	--	--	<5	0.1	11	<2	104	<5	<5	<3	2	<10	<2	<0.2	14	10	38	5	41
168317	Rock	1.5	4.66	4.79	108.6	107	125.2	1327	42	368	<5	<5	<3	12	<10	11	27.6	12	9	14	21	70
168318	Rock	3.1	0.02	--	--	<5	1.4	141	29	176	<5	<5	<3	9	<10	<2	3.3	4	4	12	<5	57
168319	Rock	4.3	0.02	--	--	<5	0.7	86	17	95	<5	<5	<3	2	<10	<2	<0.2	3	3	12	<5	69
168320	Pulp	--	0.15	--	--	<5	<0.1	21	<2	37	<5	<5	<3	5	<10	<2	<0.2	8	31	93	7	49
168321	Rock	4.3	0.19	--	--	<5	4.6	229	7	223	<5	<5	<3	2	<10	<2	<0.2	15	11	59	<5	55
168322	Rock	4.3	1.58	1.66	--	31	27.9	328	55	1345	<5	<5	<3	29	<10	3	78.9	12	9	44	90	72
168323	Rock	3.4	1.22	1.24	--	21	28.2	962	55	1449	<5	<5	<3	16	<10	6	101.8	10	10	21	16	74
168324	Rock	2.5	8.49	8.38	111.8	170	131.7	817	<2	333	<5	<5	<3	3	<10	74	<0.2	8	7	10	<5	140
168325	Rock	2.4	8.02	8.15	118.3	169	132.0	976	<2	341	<5	<5	<3	2	<10	73	<0.2	9	7	9	<5	106
168326	Rock	2.2	0.16	--	--	<5	1.5	22	<2	26	<5	<5	<3	3	<10	3	<0.2	2	4	3	<5	204
168327	Pulp	--	9.65	10.08	249.7	<5	288.3	1788	15642	8806	567	1090	6	934	<10	9	22.6	15	25	13	<5	24
168328	Rock	4.0	0.37	--	--	10	6.3	342	31	157	<5	<5	<3	11	<10	9	9.7	3	4	21	<5	86
168329	Rock	4.2	1.31	1.32	--	30	23.1	603	9	63	7	<5	<3	4	<10	9	2.1	4	3	27	<5	101
168330	Rock	3.3	0.14	--	--	<5	2.1	200	10	26	<5	<5	<3	3	<10	<2	<0.2	1	2	23	<5	96
168331	Rock	3.0	0.22	--	--	6	4.0	255	8	38	<5	<5	<3	4	<10	4	1.7	2	2	21	<5	98
168332	Pulp	--	0.01	--	--	<5	<0.1	20	<2	37	<5	<5	<3	5	<10	<2	<0.2	9	30	95	7	49
168333	Rock	4.1	0.04	--	--	<5	0.4	93	<2	131	<5	<5	<3	1	<10	<2	<0.2	13	11	22	<5	48
168334	Rock	4.7	0.04	--	--	<5	0.8	97	<2	128	<5	<5	<3	2	<10	<2	<0.2	16	11	61	14	47
168335	Rock	3.8	0.13	--	--	<5	2.6	290	<2	160	<5	<5	<3	3	<10	<2	<0.2	11	11	38	21	64
168336	Rock	3.2	0.47	--	--	10	7.0	38	<2	27	<5	<5	<3	7	<10	7	<0.2	3	3	7	<5	132
168337	Rock	1.7	2.21	2.16	--	35	12.9	22	<2	32	<5	<5	<3	4	<10	24	<0.2	5	10	11	<5	160
168338	Rock	3.5	0.99	--	--	23	13.9	285	10	94	<5	<5	<3	31	<10	7	2.2	3	4	17	<5	124
168339	Pulp	--	9.81	9.96	255.0	<5	282.3	1731	16245	8883	571	1062	6	831	<10	8	20.6	15	25	13	<5	24
168340	Rock	2.4	0.44	--	--	10	6.7	390	11	158	<5	<5	<3	18	<10	5	8.7	4	4	16	<5	77
168341	Rock	2.3	0.33	--	--	7	6.3	324	8	86	<5	<5	<3	14	<10	4	5.6	2	3	19	<5	102
168342	Rock	2.8	1.99	2.06	--	38	22.5	431	7	72	<5	<5	<3	14	<10	14	5.2	2	3	15	11	94
168343	Rock	4.5	0.35	--	--	8	5.6	241	6	170	<5	<5	<3	13	<10	<2	12.3	1	2	16	24	95
168344	Rock	4.2	0.14	--	--	<5	3.6	328	8	40	<5	<5	<3	14	<10	<2	1.6	1	2	13	<5	84
168345	Rock	3.5	0.16	--	--	<5	2.7	194	10	23	<5	<5	<3	14	<10	<2	<0.2	1	2	15	<5	80
168346	Rock	1.9	0.10	--	--	<5	1.7	194	12	24	<5	<5	<3	11	<10	3	0.3	1	2	15	<5	74
168347	Rock	3.6	0.66	--	--	14	7.9	328	11	89	<5	<5	<3	65	<10	6	6.0	2	2	15	<5	92
168348	Rock	4.3	0.47	--	--	7	6.1	192	5	129	<5	<5	<3	11	<10	5	3.1	3	3	18	<5	84
168349	Rock	4.4	0.04	--	--	<5	0.4	125	10	38	<5	<5	<3	10	<10	<2	0.8	1	2	21	<5	87
168350	Rock	4.1	0.05	--	--	<5	0.5	102	9	47	<5	<5	<3	4	<10	<2	1.6	2	2	22	<5	93
168351	Rock	4.2	0.06	--	--	<5	1.2	136	7	63	<5	<5	<3	34	<10	<2	4.0	2	3	22	25	88
168352	Rock	4.4	0.04	--	--	<5	0.7	94	11	23	<5	<5	<3	17	<10	<2	<0.2	2	3	31	<5	110

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168353	Pulp	--	0.01	--	--	<5	<0.1	21	<2	37	<5	<5	<3	5	<10	<2	<0.2	8	30	94	7	50
168354	Rock	3.7	0.12	--	--	<5	2.7	130	7	83	<5	<5	<3	10	<10	2	4.2	2	4	18	<5	100
168355	Rock	4.1	2.26	2.27	--	54	31.1	285	225	1454	15	<5	<3	456	<10	20	58.3	7	10	17	<5	68
168356	Rock	4.2	1.05	1.05	--	19	15.5	98	62	484	<5	<5	<3	10	<10	8	26.5	7	9	25	47	56
168357	Rock	2.9	0.02	--	--	<5	0.4	84	123	377	<5	<5	<3	16	<10	<2	7.8	9	13	26	<5	48
168358	Rock	4.0	0.01	--	--	<5	<0.1	87	55	85	<5	<5	<3	27	<10	<2	0.4	8	14	32	<5	61
168359	Rock	4.4	0.01	--	--	<5	0.1	109	4	103	<5	<5	<3	4	<10	<2	<0.2	14	50	26	222	83
168360	Pulp	--	30.00	29.89	--	<5	4.4	62	10	109	38	35	13	2788	<10	<2	<0.2	6	19	11	19	20
168361	Rock	4.5	0.02	--	--	<5	0.7	51	3	27	<5	<5	<3	11	<10	<2	<0.2	7	19	21	<5	79
168362	Rock	4.1	0.01	--	--	<5	0.3	76	4	25	<5	<5	<3	5	<10	<2	<0.2	8	11	28	<5	58
168363	Rock	4.3	0.01	--	--	<5	<0.1	50	6	29	<5	<5	<3	6	<10	<2	<0.2	6	9	23	<5	71
168364	Rock	1.4	1.11	1.07	--	25	16.7	48	6	51	<5	<5	<3	3	<10	8	1.9	2	7	6	<5	162
168365	Rock	3.0	0.09	--	--	<5	1.9	86	<2	57	<5	<5	<3	5	<10	<2	<0.2	6	8	20	<5	53
168366	Rock	3.6	0.01	--	--	<5	<0.1	58	2	32	<5	<5	<3	2	<10	<2	<0.2	14	52	23	<5	89
168367	Pulp	--	0.01	--	--	<5	<0.1	21	<2	36	<5	<5	<3	5	<10	<2	<0.2	8	30	91	7	48
168368	Rock	4.5	0.14	--	--	<5	1.4	112	<2	162	<5	<5	<3	1	<10	<2	<0.2	14	11	36	14	37
168369	Rock	3.4	0.41	--	--	11	5.5	264	<2	422	<5	<5	<3	2	<10	9	17.8	12	10	29	11	42
168370	Rock	4.0	0.26	--	--	<5	3.9	154	23	198	<5	<5	<3	31	<10	3	2.4	8	14	21	26	77
168371	Rock	3.0	0.02	--	--	<5	0.3	70	9	52	<5	<5	<3	18	<10	<2	0.7	4	6	19	<5	85
168372	Rock	2.1	0.05	--	--	<5	0.8	157	19	39	<5	<5	<3	13	<10	<2	0.7	2	3	14	<5	76
168373	Rock	2.7	0.02	--	--	<5	1.0	120	20	47	<5	<5	<3	7	<10	<2	2.0	<1	1	15	<5	75
168374	Pulp	--	9.81	9.83	252.3	<5	285.1	1806	15723	8776	574	1045	6	896	<10	9	21.9	15	25	12	6	24
168375	Rock	2.9	0.08	--	--	<5	1.3	74	22	96	<5	<5	<3	19	<10	4	<0.2	3	3	18	14	83
168376	Rock	2.9	0.79	--	--	18	13.4	211	3	124	<5	<5	<3	10	<10	7	2.3	7	7	17	15	74
168377	Rock	2.0	0.78	--	--	20	14.1	224	3	138	<5	<5	<3	11	<10	9	3.4	7	6	16	15	61
168378	Rock	3.1	0.30	--	--	7	4.3	258	6	322	<5	<5	<3	23	<10	4	26.4	3	4	17	89	83
168379	Rock	2.5	0.40	--	--	11	6.6	191	5	383	6	<5	<3	21	<10	4	26.0	3	3	14	186	67
168380	Rock	2.1	0.37	--	--	9	6.7	304	<2	329	<5	<5	<3	21	<10	4	18.8	5	7	16	31	94
168381	Rock	1.5	0.43	--	--	13	7.9	269	5	270	<5	<5	<3	21	<10	5	17.0	4	6	14	<5	89
168382	Rock	3.3	0.55	--	--	6	7.6	350	<2	177	<5	<5	<3	28	<10	6	5.6	7	8	15	21	87
168383	Rock	2.9	0.06	--	--	<5	1.3	175	4	44	<5	<5	<3	8	<10	<2	<0.2	6	9	24	6	62
168384	Rock	2.9	0.10	--	--	<5	2.1	309	60	890	<5	<5	<3	15	<10	<2	31.6	11	15	27	9	66
168385	Rock	3.1	5.86	5.75	90.3	138	103.7	1313	6	817	<5	<5	<3	13	<10	45	50.4	15	14	19	5	76
168386	Rock	2.9	4.94	5.10	--	96	56.7	508	11	174	<5	<5	<3	24	<10	37	<0.2	15	14	21	<5	77
168387	Rock	2.5	0.05	--	--	<5	0.6	145	<2	54	<5	<5	<3	4	<10	<2	<0.2	10	23	18	<5	70
168388	Pulp	--	10.14	9.94	256.0	<5	284.0	1760	16327	8873	579	1071	6	887	<10	8	21.4	15	25	12	<5	23
168389	Rock	4.4	0.02	--	--	<5	<0.1	56	12	73	<5	<5	<3	4	<10	<2	<0.2	11	28	11	16	91
168390	Rock	4.0	0.04	--	--	<5	0.3	67	5	56	<5	<5	<3	5	<10	<2	<0.2	8	10	16	15	68
168391	Rock	3.5	0.02	--	--	<5	<0.1	41	2	38	<5	<5	<3	5	<10	<2	<0.2	7	9	13	8	63
168392	Rock	3.4	0.12	--	--	<5	2.0	92	4	56	<5	<5	<3	5	<10	<2	<0.2	7	8	19	96	63
168393	Rock	2.2	0.04	--	--	<5	0.6	76	4	91	8	<5	<3	10	<10	<2	3.2	7	8	25	44	59
168394	Rock	3.0	0.32	--	--	14	6.4	254	3	97	10	<5	<3	46	<10	8	3.1	4	10	14	47	67
168395	Pulp	--	30.06	29.89	--	<5	3.6	54	<2	103	39	36	13	2648	<10	<2	<0.2	7	20	11	19	20
168396	Rock	2.9	0.05	--	--	<5	1.2	71	6	141	<5	<5	<3	12	<10	<2	7.8	2	3	15	<5	83
168397	Rock	2.8	0.09	--	--	7	4.0	190	11	106	<5	<5	<3	48	<10	3	6.8	2	5	14	42	62
168398	Rock	2.5	0.04	--	--	<5	0.9	52	12	80	<5	<5	<3	10	<10	<2	4.5	1	3	14	<5	77
168399	Rock	2.8	1.86	1.74	--	63	25.4	737	21	403	<5	<5	<3	28	<10	25	34.6	2	4	17	43	85
168400	Rock	2.8	0.27	--	--	7	4.6	109	8	182	<5	<5	<3	15	<10	4	10.7	2	4	14	82	93
168401	Rock	2.3	0.18	--	--	6	5.3	85	3	60	<5	<5	<3	26	<10	4	3.0	2	4	11	<5	96
168402	Rock	1.4	0.11	--	--	<5	2.7	107	2	49	<5	<5	<3	33	<10	2	3.3	3	4	11	64	121
168403	Rock	2.5	0.16	--	--	5	2.5	17	9	21	<5	<5	<3	60	<10	2	<0.2	<1	3	9	<5	105
168404	Rock	2.9	3.92	3.82	90.0	118	94.9	7391	26	13504	<5	<5	3	10	<10	44	1142.8	18	5	12	17	132
168405	Rock	3.0	0.52	--	--	15	11.7	210	18	1519	<5	<5	<3	12	<10	5	126.6	2	3	12	<5	77
168406	Rock	2.7	0.06	--	--	<5	0.8	76	9	88	<5	<5	<3	12	<10	<2	6.1	1	4	14	<5	102
168407	Rock	2.9	0.16	--	--	<5	2.7	75	7	217	<5	<5	<3	7	<10	2	20.0	1	3	14	<5	78
168408	Rock	3.0	0.03	--	--	<5	0.2	38	6	97	<5	<5	<3	4	<10	<2	7.3	1	3	15	<5	95
168409	Pulp	--	0.01	--	--	<5	<0.1	21	<2	35	<5	<5	<3	10	<10	<2	<0.2	9	29	103	10	55
168410	Rock	3.0	0.01	--	--	<5	<0.1	69	8	90	<5	<5	<3	5	<10	<2	3.7	2	5	15	6	64
168411	Rock	2.5	0.01	--	--	<5	<0.1	34	3	63	8	<5	<3	3	<10	<2	<0.2	4	10	15	<5	68
168412	Rock	2.7	0.01	--	--	<5	<0.1	51	<2	72	<5	<5	<3	8	<10	<2	<0.2	12	16	12	219	57
168413	Rock	2.8	<0.01	--	--	<5	<0.1	11	<2	33	<5	<5	<3	2	<10	<2	<0.2	4	7	12	<5	96
168414	Rock	4.1	0.04	--	--	<5	<0.1	38	10	130	14	<5	<3	5	<10	<2	<0.2	12	32	14	10	94
168415	Rock	4.8	0.01	--	--	<5	<0.1	12	<2	51	21	<5	<3	3	<10	<2	<0.2	10	23	13	<5	72
168416	Pulp	--	0.01	--	--	<5	<0.1	20	<2	36	<5	<5	<3	5	<10	<2	<0.2	8	30	93	6	49
168417	Rock	4.1	0.01	--	--	<5	<0.1	41	13	45	<5	<5	<3	<1	<10	<2	<0.2	3	3	17	<5	62
168418	Rock	3.2	0.08	--	--	<5	3.3	110	28	77	<5	<5	<3	6	<10	<2	2.5	2	2	18	<5	81
168419	Rock	2.7	4.79	4.93	157.0	150	163.6	1691	63	23112	20	<5	<3	6	<10	47	2124.8	4	2	12	39	82
168420	Rock	2.8	27.93	28.02	1125.3	948	295.4	11247	343	27110	<5	<5	<3	4	<10	181	2328.6	3	4	6	30	129
168421	Rock	2.8	5.85	5.87	218.3	222	246.4	4971	36	8724	<5	<5	<3	9	<10	77	768.2	5	3	8	8	95
168422	Rock	4.3	0.11	--	--	<5	2.7	84	19	157	<5	<5	<3	2	<10	<2	11.0	1	2	18	<5	95
168423	Pulp	--	9.86	9.90	255.1	<5	281.6	1784	15578	8659	562	1057	6	965	<10	8	20.2	15	25	12	6	24

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168424	Rock	4.4	0.02	--	--	<5	0.5	118	29	74	<5	<5	<3	7	<10	<2	2.2	1	2	19	<5	73
168425	Rock	4.0	0.19	--	--	6	7.3	103	28	375	<5	<5	<3	14	<10	3	25.8	1	3	22	9	127
168426	Rock	4.3	0.03	--	--	<5	0.4	27	6	63	<5	<5	<3	2	<10	<2	2.3	2	2	14	<5	78
168427	Rock	2.7	1.55	1.55	51.8	47	53.6	215	150	1806	18	<5	<3	14	<10	12	147.0	1	2	12	30	104
168428	Rock	4.4	0.23	--	--	8	4.1	46	39	346	7	<5	<3	2	<10	2	19.1	2	2	17	<5	76
168429	Rock	3.7	0.01	--	--	<5	<0.1	16	10	66	<5	<5	<3	1	<10	<2	0.5	1	2	17	<5	96
168430	Rock	1.8	0.03	--	--	<5	<0.1	17	9	58	<5	<5	<3	1	<10	<2	<0.2	2	2	20	<5	88
168431	Rock	2.7	0.32	--	--	13	17.4	195	7	1179	<5	<5	<3	2	<10	2	98.3	1	2	24	<5	78
168432	Rock	5.5	0.65	--	--	22	23.6	340	14	1475	<5	<5	<3	17	<10	4	121.0	1	2	25	<5	89
168433	Rock	2.5	9.08	9.08	262.1	251	268.3	1833	42	5505	<5	<5	<3	10	<10	41	432.1	2	3	14	14	111
168434	Rock	2.6	10.15	9.68	278.3	284	307.9	1509	102	6731	11	<5	<3	7	<10	50	517.6	2	3	25	141	95
168435	Rock	2.7	1.33	1.32	52.1	49	54.0	1419	34	3423	8	<5	<3	7	<10	21	282.8	1	3	9	58	119
168436	Rock	2.7	9.39	9.21	211.2	253	243.4	3354	2607	10903	14	<5	<3	35	<10	59	993.4	14	3	7	231	106
RE 168301	Repeat	--	0.01	--	--	<5	<0.1	22	<2	39	<5	<5	<3	5	<10	<2	<0.2	9	31	96	7	50
RE 168320	Repeat	--	0.13	--	--	<5	<0.1	21	<2	37	<5	<5	<3	5	<10	<2	<0.2	8	30	95	7	49
RE 168340	Repeat	--	0.44	--	--	10	6.5	393	10	163	<5	<5	<3	18	<10	5	9.1	4	5	17	<5	78
RE 168359	Repeat	--	0.01	--	--	<5	<0.1	112	4	108	<5	<5	<3	4	<10	<2	<0.2	14	50	27	230	83
RE 168379	Repeat	--	0.41	--	--	12	7.1	189	5	380	6	<5	<3	21	<10	4	26.4	3	3	15	188	67
RE 168398	Repeat	--	0.05	--	--	<5	0.9	53	13	81	<5	<5	<3	11	<10	<2	4.8	2	3	16	<5	81
RE 168418	Repeat	--	0.08	--	--	<5	3.3	112	29	81	<5	<5	<3	6	<10	<2	2.5	2	2	19	<5	81
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09K3288
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 136
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 16, 2009
Date Out: Nov 26, 2009

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168301	Pulp	--	49	350	11	30	6	4	0.10	1.19	0.64	2.29	0.58	0.08	0.08	0.05
168302	Rock	4.0	87	517	12	29	<1	5	0.21	2.17	0.76	2.74	1.17	1.04	0.13	0.07
168303	Rock	5.0	93	594	12	73	<1	7	0.19	2.18	0.92	3.22	1.18	0.89	0.13	0.06
168304	Rock	1.2	26	74	10	<1	<1	<1	<0.01	0.08	0.02	3.93	0.02	0.01	0.01	<0.01
168305	Rock	0.8	15	125	14	<1	<1	<1	<0.01	0.06	0.02	6.16	0.01	<0.01	<0.01	<0.01
168306	Rock	0.9	17	135	4	4	<1	1	0.02	0.28	0.14	1.10	0.17	0.14	0.03	0.01
168307	Rock	4.3	80	656	14	18	<1	6	0.16	1.71	0.75	3.17	1.03	0.81	0.10	0.06
168308	Pulp	--	27	4005	23	21	2	2	0.04	0.62	0.45	7.80	0.47	0.11	0.04	0.03
168309	Rock	4.3	64	617	12	19	<1	4	0.13	1.95	0.87	3.09	0.90	0.69	0.16	0.06
168310	Rock	4.4	76	788	13	30	<1	4	0.15	2.91	1.47	3.00	1.09	1.03	0.25	0.06
168311	Rock	4.4	90	760	14	31	<1	5	0.16	2.49	1.16	3.31	1.13	0.81	0.21	0.07
168312	Rock	1.1	10	67	3	5	<1	<1	0.01	0.24	0.14	0.80	0.09	0.10	0.02	0.01
168313	Rock	3.8	59	484	11	16	<1	4	0.13	1.57	0.87	2.23	0.71	0.54	0.12	0.06
168314	Rock	4.0	75	446	13	29	<1	5	0.20	1.63	0.70	2.74	0.93	0.85	0.12	0.07
168315	Rock	2.0	71	433	13	29	<1	5	0.20	1.57	0.75	2.63	0.90	0.77	0.12	0.06
168316	Rock	3.6	78	497	12	29	<1	4	0.21	2.01	0.79	2.76	1.26	0.83	0.10	0.06
168317	Rock	1.5	53	469	9	28	<1	3	0.15	2.54	1.42	2.47	0.97	0.58	0.11	0.05
168318	Rock	3.1	17	229	8	17	1	1	0.04	1.09	0.86	1.14	0.36	0.34	0.05	0.02
168319	Rock	4.3	7	157	10	6	2	<1	0.03	0.74	0.34	1.07	0.27	0.21	0.06	0.01
168320	Pulp	--	46	343	11	29	5	3	0.09	1.15	0.61	2.31	0.58	0.08	0.07	0.05
168321	Rock	4.3	102	665	15	23	<1	9	0.26	2.12	0.67	3.69	1.34	1.10	0.11	0.07
168322	Rock	4.3	80	588	13	16	<1	6	0.19	1.58	0.65	3.08	1.02	0.64	0.10	0.05
168323	Rock	3.4	72	502	12	10	<1	5	0.08	1.30	0.48	2.80	0.81	0.58	0.08	0.05
168324	Rock	2.5	132	189	31	<1	<1	<1	0.01	0.09	0.03	12.81	0.02	0.01	0.01	<0.01
168325	Rock	2.4	132	188	32	<1	<1	<1	0.01	0.10	0.03	12.39	0.02	0.01	0.01	<0.01
168326	Rock	2.2	26	56	6	<1	<1	<1	<0.01	0.03	<0.01	2.27	0.01	0.01	<0.01	<0.01
168327	Pulp	--	27	3767	22	22	2	2	0.04	0.64	0.44	7.30	0.44	0.11	0.04	0.03
168328	Rock	4.0	7	93	9	7	1	<1	<0.01	0.29	0.24	1.09	0.10	0.18	0.03	0.01
168329	Rock	4.2	33	67	11	10	<1	<1	<0.01	0.27	0.21	1.84	0.04	0.15	0.03	<0.01
168330	Rock	3.3	12	74	15	6	1	<1	<0.01	0.30	0.19	0.64	0.13	0.17	0.04	<0.01
168331	Rock	3.0	9	68	15	5	1	<1	<0.01	0.28	0.18	0.70	0.08	0.17	0.03	0.01
168332	Pulp	--	49	348	11	31	6	4	0.11	1.20	0.64	2.30	0.59	0.08	0.08	0.05
168333	Rock	4.1	80	543	13	27	<1	4	0.20	1.70	1.10	3.25	1.22	0.49	0.08	0.06
168334	Rock	4.7	83	497	12	31	<1	5	0.21	1.65	0.70	2.99	1.13	1.01	0.12	0.06
168335	Rock	3.8	79	502	14	53	<1	5	0.18	2.29	0.89	4.15	1.17	0.92	0.17	0.06
168336	Rock	3.2	26	67	5	9	<1	<1	0.01	0.12	0.06	1.60	0.04	0.04	0.01	<0.01
168337	Rock	1.7	40	64	8	2	<1	<1	0.01	0.10	0.04	2.70	0.03	0.04	0.01	<0.01
168338	Rock	3.5	26	67	12	18	1	<1	0.01	0.26	0.18	1.48	0.08	0.13	0.03	<0.01
168339	Pulp	--	26	3936	21	21	2	2	0.04	0.61	0.42	7.60	0.46	0.11	0.04	0.03
168340	Rock	2.4	21	62	11	6	2	<1	0.01	0.29	0.16	1.19	0.12	0.15	0.03	<0.01
168341	Rock	2.3	13	90	13	3	2	<1	<0.01	0.28	0.09	0.62	0.11	0.16	0.03	<0.01
168342	Rock	2.8	8	48	11	3	2	<1	<0.01	0.25	0.08	0.66	0.07	0.17	0.02	<0.01
168343	Rock	4.5	6	70	9	20	2	<1	0.01	0.27	0.11	0.51	0.06	0.16	0.03	<0.01
168344	Rock	4.2	10	68	12	7	2	<1	0.01	0.27	0.24	0.57	0.10	0.16	0.03	<0.01
168345	Rock	3.5	6	83	20	13	1	<1	<0.01	0.22	0.37	0.53	0.07	0.15	0.03	<0.01
168346	Rock	1.9	5	70	20	11	1	<1	<0.01	0.22	0.32	0.49	0.07	0.15	0.03	<0.01
168347	Rock	3.6	5	86	21	11	2	<1	<0.01	0.25	0.42	0.63	0.09	0.16	0.03	<0.01
168348	Rock	4.3	41	103	19	9	<1	<1	0.01	0.29	0.38	2.38	0.08	0.15	0.03	<0.01
168349	Rock	4.4	13	71	12	8	1	<1	0.01	0.31	0.24	0.69	0.12	0.16	0.03	<0.01
168350	Rock	4.1	11	70	12	7	1	<1	0.02	0.28	0.19	0.74	0.10	0.16	0.04	<0.01
168351	Rock	4.2	11	76	11	5	1	<1	0.02	0.28	0.14	0.72	0.10	0.18	0.04	<0.01
168352	Rock	4.4	8	59	11	10	1	<1	0.01	0.24	0.26	0.78	0.07	0.15	0.03	0.01

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168353	Pulp	--	47	339	11	29	6	4	0.09	1.12	0.61	2.21	0.56	0.08	0.07	0.05
168354	Rock	3.7	9	78	10	6	2	<1	0.01	0.31	0.24	0.95	0.13	0.14	0.04	0.01
168355	Rock	4.1	6	117	8	7	3	<1	0.01	0.50	0.38	2.11	0.08	0.22	0.02	0.03
168356	Rock	4.2	11	154	5	23	2	1	0.01	1.25	0.71	1.68	0.11	0.24	0.08	0.03
168357	Rock	2.9	21	141	6	26	2	3	0.03	1.59	0.97	1.77	0.20	0.28	0.12	0.03
168358	Rock	4.0	21	128	5	12	3	2	0.04	0.75	0.40	1.33	0.20	0.22	0.07	0.02
168359	Rock	4.4	46	544	7	22	1	4	0.11	1.04	1.36	1.69	0.57	0.26	0.07	0.08
168360	Pulp	--	18	140	11	25	3	<1	0.01	0.37	0.25	4.54	0.15	0.18	0.02	0.02
168361	Rock	4.5	26	271	4	20	1	2	0.08	0.48	0.77	0.90	0.21	0.09	0.04	0.04
168362	Rock	4.1	23	197	6	37	2	2	0.07	0.49	0.66	1.44	0.15	0.12	0.05	0.03
168363	Rock	4.3	23	343	6	31	3	2	0.08	0.62	1.45	1.18	0.21	0.12	0.03	0.03
168364	Rock	1.4	9	87	3	8	<1	<1	0.01	0.17	0.30	0.78	0.04	0.04	0.01	<0.01
168365	Rock	3.0	15	140	5	19	2	1	0.02	0.71	0.55	1.31	0.17	0.18	0.08	0.02
168366	Rock	3.6	38	322	5	29	1	3	0.10	0.90	1.20	1.49	0.39	0.20	0.06	0.07
168367	Pulp	--	45	332	10	27	5	3	0.08	1.17	0.56	2.35	0.59	0.08	0.07	0.05
168368	Rock	4.5	72	448	11	19	<1	3	0.17	1.73	0.55	3.00	1.06	0.89	0.11	0.06
168369	Rock	3.4	73	506	11	26	<1	3	0.18	1.93	0.87	2.75	1.14	0.93	0.13	0.06
168370	Rock	4.0	59	229	9	17	1	3	0.05	0.63	0.33	2.97	0.30	0.32	0.05	0.03
168371	Rock	3.0	13	101	7	12	2	1	0.02	0.36	0.22	0.80	0.13	0.18	0.04	0.01
168372	Rock	2.1	7	68	9	14	1	<1	0.01	0.24	0.16	0.48	0.09	0.12	0.03	<0.01
168373	Rock	2.7	2	64	10	11	1	<1	<0.01	0.22	0.17	0.36	0.04	0.13	0.03	<0.01
168374	Pulp	--	25	3964	21	22	1	2	0.04	0.62	0.42	7.70	0.46	0.11	0.04	0.03
168375	Rock	2.9	37	96	10	7	<1	<1	0.01	0.24	0.13	2.17	0.08	0.12	0.02	<0.01
168376	Rock	2.9	48	112	14	15	1	1	0.04	0.39	0.19	2.66	0.17	0.15	0.03	0.01
168377	Rock	2.0	48	115	14	16	<1	1	0.04	0.39	0.19	2.62	0.17	0.15	0.03	0.01
168378	Rock	3.1	22	84	10	19	2	<1	0.01	0.33	0.16	1.08	0.15	0.15	0.03	0.01
168379	Rock	2.5	10	59	10	31	2	<1	<0.01	0.33	0.27	1.04	0.10	0.13	0.02	<0.01
168380	Rock	2.1	37	106	9	32	3	1	0.02	0.44	0.27	1.98	0.15	0.15	0.03	0.01
168381	Rock	1.5	27	89	8	44	2	1	0.01	0.38	0.25	1.63	0.13	0.13	0.02	0.01
168382	Rock	3.3	57	139	11	12	2	1	0.02	0.36	0.29	3.53	0.13	0.10	0.02	0.02
168383	Rock	2.9	25	173	9	14	5	2	0.04	0.40	0.64	1.88	0.17	0.14	0.02	0.03
168384	Rock	2.9	60	332	9	46	6	5	0.09	1.22	0.70	2.78	0.50	0.34	0.11	0.05
168385	Rock	3.1	127	327	21	18	<1	2	0.06	0.57	0.29	8.29	0.25	0.17	0.04	0.02
168386	Rock	2.9	111	303	19	21	<1	2	0.04	0.70	0.50	7.18	0.21	0.16	0.07	0.02
168387	Rock	2.5	37	330	7	12	<1	4	0.08	0.76	0.77	2.01	0.48	0.13	0.04	0.02
168388	Pulp	--	23	3892	20	21	1	1	0.03	0.60	0.41	7.53	0.45	0.11	0.04	0.03
168389	Rock	4.4	36	466	6	33	1	2	0.09	0.72	1.20	2.02	0.43	0.09	0.08	0.07
168390	Rock	4.0	22	292	5	38	1	2	0.07	0.57	0.88	1.39	0.25	0.07	0.05	0.03
168391	Rock	3.5	24	260	5	22	1	1	0.07	0.48	0.69	1.30	0.17	0.05	0.06	0.03
168392	Rock	3.4	19	192	4	35	2	2	0.05	0.62	0.65	1.12	0.18	0.11	0.06	0.03
168393	Rock	2.2	14	160	5	16	3	1	0.03	0.44	0.82	1.41	0.10	0.19	0.03	0.02
168394	Rock	3.0	11	64	8	5	<1	<1	<0.01	0.34	0.33	1.84	0.04	0.13	0.02	0.01
168395	Pulp	--	18	140	11	26	4	<1	0.01	0.37	0.26	4.51	0.14	0.18	0.02	0.02
168396	Rock	2.9	4	92	9	6	1	<1	<0.01	0.20	0.38	0.77	0.03	0.14	0.02	0.01
168397	Rock	2.8	1	40	6	7	<1	<1	<0.01	0.15	0.32	0.74	0.01	0.13	0.01	0.01
168398	Rock	2.5	3	67	7	6	1	<1	<0.01	0.15	0.25	0.59	0.03	0.13	0.02	0.01
168399	Rock	2.8	4	71	8	5	<1	<1	<0.01	0.26	0.21	1.51	0.05	0.15	0.02	<0.01
168400	Rock	2.8	15	81	10	8	<1	<1	<0.01	0.23	0.31	0.93	0.08	0.11	0.02	<0.01
168401	Rock	2.3	9	63	7	7	<1	<1	<0.01	0.14	0.29	0.83	0.03	0.10	0.02	<0.01
168402	Rock	1.4	5	60	6	8	<1	<1	<0.01	0.14	0.33	0.62	0.03	0.10	0.02	<0.01
168403	Rock	2.5	2	379	5	16	<1	<1	<0.01	0.17	1.19	0.42	0.02	0.16	0.01	<0.01
168404	Rock	2.9	5	62	15	2	<1	<1	<0.01	0.12	0.10	6.15	0.01	0.10	0.01	<0.01
168405	Rock	3.0	<1	56	6	7	<1	<1	<0.01	0.25	0.46	0.58	0.01	0.14	0.01	<0.01
168406	Rock	2.7	3	52	7	7	1	<1	<0.01	0.22	0.33	0.40	0.03	0.13	0.02	<0.01
168407	Rock	2.9	3	68	6	8	<1	<1	<0.01	0.22	0.42	0.45	0.05	0.13	0.02	<0.01
168408	Rock	3.0	2	61	7	7	<1	<1	<0.01	0.18	0.33	0.53	0.02	0.15	0.02	<0.01
168409	Pulp	--	55	399	17	35	5	4	0.11	1.25	0.76	2.41	0.61	0.10	0.07	0.05
168410	Rock	3.0	3	88	7	12	<1	<1	<0.01	0.23	0.47	0.88	0.07	0.15	0.03	0.01
168411	Rock	2.5	15	237	8	24	1	1	0.01	0.47	0.74	1.61	0.26	0.15	0.03	0.04
168412	Rock	2.7	35	459	11	31	<1	3	0.05	1.87	1.46	4.36	0.57	0.22	0.21	0.03
168413	Rock	2.8	21	197	5	59	2	1	0.04	1.21	0.64	1.36	0.43	0.21	0.13	0.02
168414	Rock	4.1	68	478	10	109	<1	6	0.16	4.74	2.84	2.97	1.44	0.90	0.16	0.06
168415	Rock	4.8	57	321	10	187	1	5	0.13	5.43	3.19	2.90	1.48	1.23	0.17	0.05
168416	Pulp	--	45	335	10	28	5	3	0.08	1.18	0.56	2.36	0.60	0.08	0.07	0.05
168417	Rock	4.1	11	194	13	14	1	<1	0.02	0.51	0.37	1.13	0.25	0.12	0.04	0.01
168418	Rock	3.2	7	193	12	26	1	<1	<0.01	0.53	0.51	0.81	0.18	0.14	0.04	0.01
168419	Rock	2.7	3	168	7	2	<1	<1	<0.01	0.29	0.31	2.36	0.04	0.15	0.01	<0.01
168420	Rock	2.8	4	164	15	<1	<1	<1	<0.01	0.09	0.09	7.03	0.01	0.01	<0.01	<0.01
168421	Rock	2.8	7	87	11	2	<1	<1	<0.01	0.15	0.10	4.09	0.04	0.05	0.01	<0.01
168422	Rock	4.3	7	79	10	14	<1	<1	0.01	0.24	0.33	0.51	0.08	0.11	0.03	0.01
168423	Pulp	--	25	4056	20	23	2	2	0.04	0.63	0.43	7.89	0.48	0.11	0.04	0.03

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168424	Rock	4.4	5	131	18	19	1	<1	<0.01	0.31	0.55	0.73	0.10	0.16	0.05	0.01
168425	Rock	4.0	5	189	10	9	1	<1	0.01	0.53	0.52	0.54	0.12	0.19	0.05	0.01
168426	Rock	4.3	5	139	11	6	1	<1	0.01	0.33	0.30	0.58	0.14	0.12	0.04	0.01
168427	Rock	2.7	4	119	13	8	<1	<1	<0.01	0.39	0.23	0.59	0.07	0.13	0.02	<0.01
168428	Rock	4.4	<1	60	16	12	1	<1	<0.01	0.30	0.35	0.41	0.02	0.19	0.01	0.01
168429	Rock	3.7	3	128	18	16	1	<1	<0.01	0.39	0.52	0.48	0.08	0.19	0.02	0.01
168430	Rock	1.8	2	130	17	26	1	<1	<0.01	0.43	0.40	0.50	0.12	0.19	0.03	0.01
168431	Rock	2.7	2	116	14	44	1	<1	<0.01	0.43	0.56	0.39	0.04	0.18	0.02	0.01
168432	Rock	5.5	5	93	13	26	<1	<1	<0.01	0.41	0.30	0.66	0.08	0.18	0.02	0.01
168433	Rock	2.5	3	101	11	11	<1	<1	<0.01	0.30	0.16	3.06	0.05	0.12	0.01	<0.01
168434	Rock	2.6	3	93	8	89	<1	<1	<0.01	0.26	0.31	2.03	0.04	0.09	0.01	<0.01
168435	Rock	2.7	6	93	7	11	<1	<1	<0.01	0.29	0.46	1.10	0.06	0.09	0.01	<0.01
168436	Rock	2.7	6	90	9	2	<1	<1	<0.01	0.17	0.13	2.28	0.02	0.07	0.01	<0.01
RE 168301	Repeat	--	49	351	11	31	6	4	0.10	1.21	0.65	2.30	0.59	0.08	0.08	0.05
RE 168320	Repeat	--	47	339	10	29	5	3	0.09	1.13	0.60	2.27	0.57	0.08	0.07	0.05
RE 168340	Repeat	--	22	64	11	6	1	<1	0.01	0.30	0.17	1.21	0.13	0.16	0.03	0.01
RE 168359	Repeat	--	47	569	7	22	1	4	0.11	1.15	1.37	1.70	0.57	0.26	0.07	0.08
RE 168379	Repeat	--	10	58	10	29	2	<1	<0.01	0.33	0.27	1.00	0.10	0.13	0.02	<0.01
RE 168398	Repeat	--	3	69	7	6	1	<1	<0.01	0.16	0.26	0.59	0.03	0.13	0.02	0.01
RE 168418	Repeat	--	7	198	12	27	1	<1	<0.01	0.54	0.52	0.82	0.18	0.14	0.04	0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corre*

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ISO 9001:2000 Certified

Certificate#: 09K3295
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 188
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 17, 2009
Date Out: Nov 30, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm
168437	Pulp	--	0.01	--	--	<5	0.4	25	<2	42	<5	<5	<3	5	<10	2	<0.2	8	32	101	7	50	80	351
168438	Rock	3.0	0.77	--	--	<5	19.8	617	19	16914	<5	<5	<3	3	<10	22	1915.0	17	5	4	22	161	41	154
168439	Rock	2.8	0.92	--	--	<5	33.9	497	14	3868	<5	<5	<3	<1	<10	25	420.4	21	8	8	13	121	78	170
168440	Rock	2.5	0.10	--	--	<5	4.0	169	16	292	<5	<5	<3	9	<10	3	27.1	2	3	11	<5	142	13	52
168441	Rock	3.2	0.20	--	--	<5	7.2	148	16	1555	<5	<5	<3	12	<10	3	176.3	3	3	15	<5	97	14	70
168442	Rock	2.7	0.42	--	--	8	9.1	18	6	952	<5	<5	<3	<1	<10	8	109.3	2	3	<2	<5	210	5	41
168443	Rock	2.8	0.06	--	--	<5	1.6	27	7	141	<5	<5	<3	8	<10	<2	10.3	1	3	16	<5	103	19	78
168444	Pulp	--	29.87	30.19	--	<5	4.6	63	11	110	47	58	16	3156	<10	7	<0.2	7	21	14	21	23	73	148
168445	Rock	2.5	0.07	--	--	<5	3.5	208	3	551	<5	<5	<3	9	<10	6	45.3	5	4	10	<5	166	51	127
168446	Rock	2.5	0.06	--	--	<5	0.8	26	2	45	<5	<5	<3	15	<10	2	1.8	1	4	2	<5	173	8	40
168447	Rock	2.5	0.02	--	--	<5	0.8	28	5	34	<5	<5	<3	16	<10	<2	1.6	<1	3	7	<5	159	6	36
168448	Rock	2.2	0.20	--	--	7	9.0	184	7	43	<5	<5	<3	6	<10	4	2.2	1	4	5	<5	187	3	41
168449	Rock	2.5	0.07	--	--	<5	3.5	70	15	71	<5	<5	<3	5	<10	9	4.3	<1	3	4	<5	151	9	30
168450	Rock	4.2	0.25	--	--	<5	8.5	459	45	205	22	<5	<3	33	<10	12	10.7	6	20	23	<5	109	27	168
168451	Rock	1.8	0.21	--	--	<5	8.6	537	35	155	25	<5	<3	28	<10	10	5.0	6	18	23	<5	94	27	148
168452	Rock	3.3	0.77	--	--	26	30.2	251	24	382	9	<5	<3	10	<10	14	24.8	7	30	18	<5	72	18	161
168453	Rock	3.5	0.04	--	--	<5	6.7	766	22	302	<5	<5	<3	5	<10	<2	28.4	2	2	16	7	87	8	104
168454	Rock	4.3	0.03	--	--	<5	2.0	151	16	351	<5	<5	<3	4	<10	2	36.6	3	3	19	<5	100	11	62
168455	Rock	4.6	0.43	--	--	6	18.0	398	15	1187	<5	<5	<3	26	<10	11	134.2	5	4	18	8	97	12	78
168456	Rock	3.0	1.16	1.16	--	32	28.2	307	7	636	<5	<5	<3	41	<10	12	63.7	1	4	4	<5	169	4	32
168457	Rock	1.0	3.91	3.78	112.0	115	122.4	1725	39	1781	11	8	<3	29	<10	31	152.3	5	7	9	46	151	6	62
168458	Pulp	--	0.01	--	--	<5	<0.1	25	2	41	<5	<5	<3	5	<10	<2	<0.2	8	32	94	7	51	85	345
168459	Rock	4.4	0.01	--	--	<5	1.1	189	19	74	<5	<5	<3	10	<10	2	0.7	5	8	15	<5	89	9	102
168460	Rock	4.1	0.02	--	--	<5	1.0	160	14	51	<5	<5	<3	4	<10	3	0.2	4	4	17	<5	112	14	107
168461	Pulp	--	0.01	--	--	<5	0.4	25	<2	40	<5	<5	<3	4	<10	<2	<0.2	9	32	97	7	52	85	354
168462	Rock	2.0	0.01	--	--	<5	0.4	21	14	106	<5	<5	<3	<1	<10	<2	<0.2	7	11	43	<5	83	51	217
168463	Rock	3.2	0.01	--	--	<5	0.5	28	24	96	<5	<5	<3	2	<10	<2	<0.2	3	5	21	<5	65	25	134
168464	Rock	2.7	0.03	--	--	<5	0.3	29	25	98	<5	<5	<3	2	<10	2	<0.2	3	6	24	<5	69	26	135
168465	Rock	2.1	0.02	--	--	<5	1.7	128	29	292	<5	<5	<3	<1	<10	<2	3.2	13	12	37	<5	46	125	521
168466	Rock	2.5	3.50	3.38	93.2	94	97.4	2788	77	10989	<5	<5	<3	15	<10	55	1043.2	9	6	14	<5	96	51	234
168467	Rock	1.9	1.49	1.46	--	52	43.1	1701	71	9930	<5	<5	<3	70	<10	74	951.2	5	5	10	<5	120	19	95
168468	Pulp	--	10.05	9.78	260.5	<5	307.6	1836	17746	8855	610	1140	7	1017	<10	21	25.8	16	27	14	<5	24	62	3699
168469	Rock	3.8	0.03	--	--	<5	1.7	139	28	229	<5	<5	<3	8	<10	<2	14.4	2	3	20	<5	65	17	109
168470	Rock	3.9	0.06	--	--	<5	0.5	43	16	58	<5	<5	<3	4	<10	<2	<0.2	3	3	24	<5	88	24	149
168471	Rock	4.4	0.10	--	--	<5	5.0	71	32	126	<5	<5	<3	1	<10	3	5.2	2	3	18	<5	91	20	161
168472	Rock	3.5	0.23	--	--	8	9.6	85	38	143	<5	<5	<3	1	<10	6	6.6	3	3	20	<5	82	18	214
168473	Rock	2.4	0.28	--	--	17	13.7	107	49	154	<5	<5	<3	2	<10	12	7.9	3	3	21	<5	76	18	216
168474	Rock	2.1	1.37	1.36	68.2	42	72.4	1081	49	346	<5	<5	<3	2	<10	8	21.8	3	3	25	<5	83	11	203
168475	Rock	1.4	1.93	1.90	90.1	62	97.1	1704	58	448	9	<5	<3	2	<10	14	28.9	5	3	23	<5	79	11	206
168476	Rock	2.1	5.80	6.14	179.8	160	217.0	1850	69	7932	19	7	<3	<1	<10	31	650.7	2	3	3	<5	193	1	54
168477	Rock	1.5	0.34	--	--	8	14.6	296	5	880	5	<5	<3	<1	<10	4	67.8	<1	3	<2	<5	159	<1	22
168478	Rock	1.2	36.48	33.80	1514.4	788	300.4	5547	5729	33855	23	5	<3	3	<10	243	2733.9	1	4	5	<5	134	<1	156
168479	Rock	2.3	18.13	18.60	997.9	825	327.0	13300	1494	22158	32	<5	<3	11	<10	68	1491.4	15	5	12	<5	145	<1	117
168480	Rock	3.7	0.21	--	--	10	8.2	106	54	349	<5	<5	<3	6	<10	3	21.2	1	3	22	<5	137	5	142
168481	Rock	3.1	0.14	--	--	6	5.5	142	30	668	9	<5	<3	7	<10	3	42.4	1	3	19	<5	110	5	147
168482	Pulp	--	0.01	--	--	<5	<0.1	26	<2	45	<5	<5	<3	5	<10	<2	<0.2	9	32	100	7	52	89	360
168483	Rock	3.3	0.57	--	--	20	19.6	285	66	1600	<5	<5	<3	2	<10	3	108.2	2	2	19	<5	109	5	131
168484	Rock	2.9	3.12	3.20	95.3	63	102.2	1356	110	9303	5	<5	<3	<1	<10	6	593.9	4	4	21	<5	120	5	217
168485	Rock	3.0	0.07	--	--	<5	3.0	67	51	174	8	<5	<3	2	<10	<2	8.2	1	2	19	<5	101	9	199
168486	Rock	2.8	0.06	--	--	<5	2.8	64	21	415	9	<5	<3	1	<10	2	24.9	1	3	21	<5	100	8	229
168487	Rock	3.7	0.05	--	--	<5	2.1	46	16	106	<5	<5	<3	2	<10	<2	4.2	1	2	19	<5	114	7	177
168488	Rock	3.8	0.01	--	--	<5	0.6	22	9	77	<5	<5	<3	2	<10	<2	2.0	1	3	17	<5	103	6	105
168489	Pulp	--	30.16	29.82	--	<5	4.1	63	12	112	47	57	16	2944	<10	8	<0.2	7	21	17	19	22	74	149
168490	Rock	4.4	0.04	--	--	<5	1.4	31	14	226	8	<5	<3	12	<10	<2	12.3	1	2	23	<5	88	7	178
168491	Rock	1.1	2.14	2.20	95.0	64	93.3	286	70	2097	<5	<5	<3	45	<10	16	187.1	1	4	9	<5	163	2	63
168492	Rock	3.5	0.13	--	--	<5	5.5	80	22	288	<5	<5	<3	2	<10	<2	19.1	1	2	16	<5	98	9	267
168493	Rock	3.5	0.61	--	--	20	30.4	232	11	979	<5	<5	<3	3	<10	5	82.3	2	3	21	<5	91	6	121
168494	Rock	2.6	0.65	--	--	27	48.1	1792	15	642	10	<5	<3	3	<10	10	51.1	3	3	15	<5	98	4	140
168495	Rock	3.0	0.08	--	--	<5	4.2	78	21	161	<5	<5	<3	3	<10	<2	9.8	1	3	18	<5	96	5	161

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	Au	Au	Ag	Te	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn
		Kg	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
168496	Rock	1.4	0.04	--	--	<5	2.3	88	45	217	8	<5	<3	3	<10	<2	12.8	2	2	16	<5	96	6	169
168497	Rock	4.2	0.17	--	--	<5	7.3	132	44	430	<5	<5	<3	5	<10	<2	28.9	2	3	19	<5	103	8	152
168498	Rock	3.9	0.31	--	--	<5	4.0	77	51	169	<5	<5	<3	3	<10	<2	9.8	2	2	19	<5	111	7	207
168499	Rock	4.0	0.14	--	--	<5	5.2	91	23	313	<5	<5	<3	2	<10	<2	23.6	2	3	21	<5	108	11	326
168500	Rock	3.9	0.24	--	--	<5	7.7	131	17	368	<5	<5	<3	4	<10	<2	25.1	2	2	19	<5	100	11	203
168501	Rock	5.1	0.11	--	--	<5	5.2	131	28	255	<5	<5	<3	6	<10	3	14.9	1	2	20	<5	83	10	196
168502	Rock	2.3	0.08	--	--	<5	3.5	93	23	163	<5	<5	<3	13	<10	<2	9.7	1	2	21	<5	78	7	139
168503	Pulp	--	0.01	--	--	<5	<0.1	26	<2	41	<5	<5	<3	5	<10	<2	<0.2	9	33	102	6	50	81	355
168504	Rock	4.1	5.35	5.40	216.5	161	203.4	2685	76	1218	<5	<5	<3	250	<10	28	126.4	<1	4	11	19	161	7	60
168505	Rock	2.0	0.35	--	--	11	15.3	110	174	169	<5	<5	<3	243	<10	5	14.2	<1	3	<2	<5	179	<1	24
168506	Rock	4.3	0.24	--	--	7	9.9	116	76	700	<5	<5	<3	60	<10	<2	46.6	<1	2	19	<5	106	5	119
168507	Rock	3.3	0.05	--	--	<5	1.5	57	18	189	<5	<5	<3	6	<10	<2	9.1	2	3	19	<5	107	10	257
168508	Rock	4.1	0.16	--	--	<5	8.0	84	37	188	<5	<5	<3	10	<10	<2	10.1	1	3	25	<5	110	8	189
168509	Rock	4.2	0.08	--	--	<5	2.0	78	26	454	6	<5	<3	2	<10	<2	25.5	1	2	20	<5	83	7	231
168510	Pulp	--	9.62	10.08	261.7	<5	283.3	1861	18036	9336	632	1163	6	1063	<10	22	23.4	16	27	15	<5	24	65	3968
168511	Rock	3.5	0.03	--	--	<5	1.1	49	57	145	<5	6	<3	7	<10	<2	4.9	2	2	20	<5	89	13	190
168512	Rock	3.1	0.03	--	--	<5	0.9	39	31	184	<5	<5	<3	1	<10	<2	7.7	2	2	18	<5	82	10	103
168513	Rock	4.3	0.81	--	72.1	42	78.0	137	39	311	<5	<5	<3	11	<10	<2	17.7	6	3	20	<5	107	9	125
168514	Rock	1.0	6.02	5.98	227.3	184	243.9	358	164	11032	<5	<5	<3	71	<10	13	883.9	1	2	15	7	114	5	81
168515	Rock	3.0	0.30	--	--	9	14.2	101	52	261	<5	<5	<3	84	<10	2	19.5	1	3	25	<5	94	6	87
168516	Rock	4.3	0.95	--	56.4	38	68.8	241	99	1207	5	<5	<3	50	<10	3	91.3	1	2	18	<5	93	4	89
168517	Rock	1.7	0.94	--	--	26	48.3	391	126	1084	10	<5	<3	48	<10	5	81.1	3	3	19	<5	93	6	92
168518	Rock	4.1	0.02	--	--	<5	0.7	29	38	100	<5	<5	<3	3	<10	<2	2.8	1	2	15	<5	77	9	183
168519	Rock	4.5	0.05	--	--	<5	1.9	36	15	92	<5	<5	<3	2	<10	<2	3.8	1	3	20	<5	94	13	211
168520	Pulp	--	0.01	--	--	<5	<0.1	24	<2	39	<5	<5	<3	4	<10	<2	<0.2	8	31	96	7	49	83	341
168521	Rock	3.2	0.07	--	--	<5	2.6	73	304	166	<5	<5	<3	21	<10	<2	7.9	3	4	54	28	92	16	228
168522	Rock	2.3	0.10	--	--	<5	4.3	104	50	118	6	<5	<3	2	<10	<2	5.8	3	3	24	<5	84	17	301
168523	Rock	3.2	0.02	--	--	<5	1.3	45	50	289	<5	<5	<3	7	<10	2	16.7	2	3	16	<5	111	18	213
168524	Rock	3.7	0.05	--	--	<5	2.5	67	133	525	<5	<5	<3	1	<10	3	35.5	3	3	19	<5	75	20	207
168525	Rock	3.5	0.06	--	--	<5	3.9	138	169	455	<5	<5	<3	4	<10	3	29.1	2	2	19	<5	84	14	220
168526	Rock	1.2	4.02	4.18	158.2	89	177.1	1310	2447	4669	10	<5	<3	23	<10	22	327.4	3	4	11	<5	153	9	78
168527	Pulp	--	10.03	10.03	263.2	<5	296.3	1885	18113	9560	652	1201	7	1128	<10	20	21.5	17	28	14	<5	25	68	4147
168528	Rock	2.5	0.01	--	--	<5	<0.1	30	23	54	<5	<5	<3	6	<10	<2	1.5	1	2	18	<5	93	10	101
168529	Rock	4.9	0.02	--	--	<5	0.6	28	41	44	<5	<5	<3	2	<10	2	<0.2	3	2	17	<5	78	14	96
168530	Rock	4.5	0.01	--	--	<5	<0.1	32	12	32	<5	<5	<3	1	<10	2	<0.2	2	2	16	<5	72	20	141
168531	Rock	1.5	<0.01	--	--	<5	0.2	54	8	22	<5	<5	<3	3	<10	<2	<0.2	<1	1	5	<5	41	9	145
168532	Rock	2.2	0.23	--	--	<5	0.5	35	8	27	<5	<5	<3	1	<10	<2	<0.2	2	2	11	<5	65	17	210
168533	Rock	2.5	0.01	--	--	<5	0.7	38	13	35	<5	<5	<3	2	<10	<2	<0.2	2	3	15	<5	92	14	198
168534	Rock	1.4	0.01	--	--	<5	0.4	40	10	45	<5	<5	<3	1	<10	<2	<0.2	2	3	16	<5	89	15	189
168535	Rock	--	1.51	1.50	71.2	32	76.8	2638	22	740	<5	<5	<3	48	<10	5	47.1	5	3	15	77	90	9	207
168536	Rock	3.0	0.02	--	--	<5	1.4	49	12	121	<5	<5	<3	2	<10	<2	5.2	2	2	15	<5	86	11	154
168537	Rock	2.6	3.82	4.00	100.5	74	103.6	201	90	555	<5	<5	<3	7	<10	10	35.0	3	3	17	<5	81	5	178
168538	Rock	2.7	1.35	1.32	55.2	59	59.2	481	111	1519	<5	<5	<3	1	<10	<2	97.8	2	2	20	<5	100	9	171
168539	Rock	2.9	0.06	--	--	<5	1.8	30	69	106	<5	<5	<3	<1	<10	<2	4.1	1	2	17	<5	79	9	133
168540	Rock	4.0	0.20	--	--	9	9.3	191	67	674	<5	<5	<3	3	<10	<2	43.3	1	2	24	<5	73	4	74
168541	Pulp	--	0.01	--	--	<5	<0.1	25	<2	40	<5	<5	<3	4	<10	<2	<0.2	9	32	96	7	51	85	345
168542	Rock	3.1	17.89	17.56	703.4	462	376.3	1766	6096	7919	<5	<5	<3	4	<10	32	560.8	1	3	6	<5	117	<1	36
168543	Rock	2.5	16.01	15.84	582.0	412	349.5	1906	1425	9118	<5	<5	<3	4	<10	40	632.8	5	3	10	<5	133	3	62
168544	Rock	1.7	0.21	--	--	6	9.1	170	46	568	<5	<5	<3	4	<10	<2	38.6	1	2	18	<5	87	3	61
168545	Rock	3.5	0.11	--	--	<5	4.0	72	23	169	5	<5	<3	2	<10	<2	7.5	1	3	22	<5	112	6	172
168546	Rock	4.2	0.05	--	--	<5	1.0	34	21	130	<5	<5	<3	<1	<10	<2	4.8	1	2	17	<5	82	12	174
168547	Rock	4.8	0.06	--	--	<5	1.3	53	23	78	<5	<5	<3	4	<10	<2	3.6	1	2	21	<5	93	8	98
168548	Pulp	--	29.88	30.11	--	<5	3.8	63	13	113	47	64	16	3161	<10	8	<0.2	7	22	14	19	23	73	150
168549	Rock	4.2	0.05	--	--	<5	2.0	65	8	259	<5	<5	<3	13	<10	<2	15.0	1	2	26	<5	97	8	115
168550	Rock	3.6	0.22	--	--	5	8.2	142	24	624	<5	<5	<3	5	<10	<2	42.7	1	2	26	<5	101	12	146
168551	Rock	3.0	0.17	--	--	<5	5.5	108	11	797	<5	<5	<3	4	<10	3	54.0	1	2	16	5	71	6	116
168552	Rock	2.2	2.25	2.22	92.5	33	108.0	737	31	5351	6	6	<3	34	<10	27	549.6	3	3	3	6	165	7	62
168553	Rock	1.4	2.26	2.23	68.1	72	76.4	275	48	1724	9	<5	<3	94	<10	26	145.8	4	3	5	<5	106	47	140
168554	Rock	3.4	3.74	3.90	94.6	101	106.6	269	254	1891	<5	<5	<3	92	<10	15	130.9	1	2	21	120	100	10	126
168555	Rock	2.2	2.41	2.56	95.2	123	102.4	185	138	1591	<5	<5	<3	176	<10	15	115.0	<1	2	22	309	74	12	139
168556	Rock	4.5	0.04	--	--	<5	1.4	55	17	76	<5	<5	<3	6	<10	3	3.5	1	2	17	9	84	9	158
168557	Rock	4.0	0.06	--	--	<5	2.9	86	18	282	<5	<5	<3	8	<10	4	23.6	1	2	16	<5	88	3	149
168558	Rock	4.0	0.02	--	--	<5	0.5	96	16	142	<5	<5	<3	7	<10	3	10.4	1	3	19	<5	98	9	159
168559	Pulp	--	0.01	--	--	<5	<0.1	26	<2	41	<5	<5	<3	5	<10	<2	<0.2	9	33	103	8	53	88	363
168560	Rock	3.9	0.06	--	--	<5	1.8	65	9	197	<5	<5	<3	<1	<10	<2	12.0	1	2	12	<5	91	12	233
168561	Rock	4.6	0.14	--	--	<5	5.6	70	11	252	20	<5	<3	1	<10	<2	17.3	<1	2	10	<5	86	7	187
168562	Rock	4.3	1.31	1.31	81.2	53	85.7	499	27	648	71	<5	<3	6	<10	5	59.1	<1	2	10	<5	89	5	112
168563	Rock	4.8	1.78	1.79	82.4	58	88.7	360	73	1382	<5	<5	<3	12	<10	10	128.9	<1	2	10	227	89	6	122
168564	Rock	3.5	17.50	17.06	959.5	703	429.7	2003	66	8222	<5	6	<3	<1	<10	71	663.9	6	3	10	9	80	2	112
168565	Rock	4.5	0.11	--	--	<5	4.3	46	7	305	<5	<5	<3	1	<10	2	24.2	1	2	10	<5	92	12	186
168566	Pulp	--	10.09	9.70	263.1	<5	275.2	1794	18262	9230	619	1178	7	1115	<10	21	20.4	16	27	16	<5	24	65	3972
168567	Rock	4.2	0.08	--	--	<5	3.3	49	40	92	<5	<5	<3	6	<10	<2	3.0	1	2	13	<5	90	11	161
168568	Rock	3.8	0.68	--	--	15	20.5	214	11	906	<5	<5	<3	8	<10	4	69.6	1	2	12	6	95	8	132
168569	Rock	3.5	0.94	--	--	23	23.5	263	17	1004	<5	<5	<3	2	<10	9	89.5	1	2	11	15	85	7	84
168570	Pulp	--	0.01	--	--	<5	<0.1	25	3	41	<5	<5	<3	5	<10	<2	<0.2	9	33	97	7	54	89	354
168571	Rock	6.7	0.03	--	--	<5	17.6	2871	56	315	<5	<5	<3	36	<10	2	27.9	2	4	16	<5	54	9	158
168572	Rock	5.1	0.03	--	--	<5	0.6	66	31	66	<5	<5	<3	56	<10	<2	3.7	1	3	11	<5	50	6	184
168573	Rock	5.0	0.01	--	--	<5	6.0	110	146	339	<5	<5	<3	44	<10	15	25.3	3	4	8	<5	47	7	156

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm
168574	Rock	5.5	0.01	--	--	<5	0.6	136	38	190	<5	<5	<3	59	<10	4	6.5	4	4	71	<5	59	45	295
168575	Rock	7.2	0.01	--	--	<5	2.4	247	77	261	<5	<5	<3	37	<10	10	12.4	5	5	50	<5	68	29	291
168576	Rock	5.3	0.01	--	--	<5	1.8	228	45	671	<5	<5	<3	21	<10	6	49.5	4	5	68	<5	72	45	254
168577	Pulp	--	9.74	9.65	261.1	<5	281.8	1948	18002	9370	643	1195	7	1103	<10	19	21.3	17	28	16	<5	25	71	4059
168578	Rock	6.0	0.04	--	--	<5	4.3	219	108	314	<5	<5	<3	9	<10	9	19.1	4	4	73	67	71	34	352
168579	Rock	4.2	0.25	--	--	5	13.8	723	105	3407	<5	<5	<3	69	<10	40	304.5	2	3	4	56	138	<1	41
168580	Rock	4.2	0.99	--	81.2	43	88.9	766	1068	8851	<5	<5	<3	29	<10	91	783.5	6	4	4	281	186	1	42
168581	Rock	3.3	28.23	27.60	718.1	863	333.1	2608	4892	12135	18	<5	<3	4	<10	393	913.5	14	4	6	<5	149	5	58
168582	Rock	4.0	1.07	1.02	--	42	43.1	787	183	1123	<5	<5	<3	7	<10	30	93.5	1	4	7	<5	185	6	46
168583	Rock	2.1	0.10	--	--	<5	5.2	132	83	499	<5	<5	<3	9	<10	7	41.3	<1	2	11	<5	106	3	19
168584	Rock	1.0	0.23	--	--	6	9.0	1553	33	20933	<5	<5	<3	4	<10	75	1848.2	3	4	6	<5	155	<1	71
168585	Rock	2.7	0.05	--	--	<5	3.0	120	71	272	<5	<5	<3	9	<10	5	22.1	<1	3	13	<5	126	5	19
168586	Rock	3.3	0.09	--	--	<5	4.9	331	11	1848	<5	<5	<3	3	<10	4	178.7	<1	4	4	<5	219	3	28
168587	Rock	1.3	0.53	--	--	23	18.6	46	14	209	<5	<5	<3	10	<10	9	17.8	<1	3	5	<5	157	<1	20
168588	Rock	4.1	0.31	--	--	10	10.7	218	32	490	<5	<5	<3	10	<10	7	37.8	<1	3	9	<5	144	5	31
168589	Rock	4.6	0.58	--	48.5	68	51.2	4284	431	5540	<5	<5	<3	20	<10	248	479.3	10	5	8	<5	131	<1	37
168590	Rock	2.5	12.90	13.80	520.4	784	300.4	10666	274	17804	<5	9	<3	2	<10	607	1543.9	34	7	9	<5	158	<1	57
168591	Pulp	--	0.01	--	--	<5	<0.1	38	2	62	<5	<5	<3	4	<10	2	<0.2	8	30	90	7	48	81	330
168592	Rock	5.0	9.38	9.60	367.7	343	368.6	28589	107	8839	<5	<5	<3	10	<10	185	698.3	16	8	12	<5	111	4	65
168593	Rock	4.3	0.20	--	--	7	10.4	308	59	731	<5	<5	<3	21	<10	13	60.4	<1	3	12	<5	126	6	50
168594	Rock	6.3	3.47	3.46	148.4	89	169.2	1046	215	5664	<5	<5	<3	18	<10	84	422.4	5	3	16	21	101	3	56
168595	Rock	6.4	0.26	--	--	8	19.4	188	998	813	97	13	<3	9	<10	18	60.6	4	4	15	80	92	4	26
168596	Rock	6.5	0.17	--	--	5	10.4	265	274	473	<5	<5	<3	16	<10	13	37.1	1	2	9	<5	90	2	27
168597	Rock	5.8	0.59	--	--	17	18.5	250	182	259	<5	<5	<3	9	<10	13	20.3	2	4	11	<5	84	3	29
168598	Pulp	--	29.90	30.00	--	<5	4.2	62	12	108	45	60	16	3278	<10	8	<0.2	7	21	14	20	22	76	145
168599	Rock	6.0	0.76	--	--	33	24.9	163	92	233	<5	<5	<3	43	<10	40	18.5	<1	3	15	7	92	2	22
168600	Rock	6.2	5.77	5.62	227.3	159	240.9	1265	555	4377	<5	5	<3	40	<10	35	340.0	<1	3	10	<5	120	4	28
168601	Rock	6.2	1.83	1.80	54.8	59	66.5	535	159	1206	6	<5	<3	26	<10	29	93.2	3	6	13	8	99	7	47
168602	Rock	5.0	16.37	17.00	584.1	536	364.1	7451	7744	27147	77	10	<3	27	<10	461	2204.4	10	9	9	<5	119	3	95
168603	Rock	4.9	7.85	7.78	202.6	282	226.3	1388	1115	15038	17	6	<3	27	<10	255	1271.1	6	9	9	<5	92	4	68
168604	Rock	5.0	1.03	1.00	--	21	31.8	300	156	875	<5	<5	<3	16	<10	13	66.4	6	11	17	<5	66	15	113
168605	Rock	2.7	0.70	--	--	9	18.6	279	61	694	<5	<5	<3	16	<10	12	51.3	6	10	15	33	53	15	120
168606	Rock	5.1	3.21	3.28	69.5	72	73.0	327	43	1854	5	<5	<3	65	<10	35	141.1	5	14	17	178	100	24	123
168607	Rock	6.3	0.13	--	--	<5	9.5	106	39	629	403	17	<3	34	<10	8	45.5	6	14	18	101	66	13	96
168608	Pulp	--	0.01	--	--	<5	<0.1	25	<2	41	<5	<5	<3	5	<10	<2	<0.2	9	32	99	10	52	88	353
168609	Rock	4.4	0.01	--	--	<5	0.5	90	11	266	<5	<5	<3	<1	<10	<2	<0.2	13	11	52	8	55	130	489
168610	Rock	4.8	0.01	--	--	<5	0.8	170	10	166	<5	<5	<3	<1	<10	<2	<0.2	14	11	37	<5	46	133	483
168611	Rock	0.7	0.07	--	--	<5	14.5	57	213	158	<5	<5	<3	10	<10	29	7.5	2	4	12	<5	123	25	126
168612	Rock	2.6	1.01	1.00	--	29	46.1	290	669	1326	<5	<5	<3	27	<10	11	86.8	2	2	14	80	75	10	121
168613	Rock	3.7	0.02	--	--	<5	0.8	96	53	153	<5	<5	<3	2	<10	2	2.9	2	3	16	<5	77	22	160
168614	Rock	4.6	0.02	--	--	<5	1.3	116	40	161	<5	<5	<3	2	<10	<2	5.7	1	2	14	<5	74	9	132
168615	Pulp	--	9.72	9.76	253.7	<5	273.4	1826	18618	9430	609	1225	7	1129	<10	23	23.3	15	27	16	<5	23	64	3697
168616	Rock	3.7	0.01	--	--	<5	<0.1	12	43	57	<5	<5	<3	6	<10	<2	<0.2	1	2	17	<5	89	10	124
168617	Rock	3.8	0.05	--	--	<5	0.5	32	13	278	<5	<5	<3	1	<10	<2	18.7	1	2	13	<5	86	10	141
168618	Rock	4.0	0.55	--	--	20	21.1	506	33	1064	<5	<5	<3	2	<10	7	72.6	1	3	18	<5	107	9	158
168619	Rock	3.9	4.73	4.66	166.5	106	179.7	1430	100	3219	<5	<5	<3	<1	<10	6	220.4	1	2	11	<5	84	5	140
168620	Rock	3.8	0.02	--	--	<5	0.3	13	11	49	<5	<5	<3	<1	<10	<2	<0.2	2	3	12	<5	104	14	144
168621	Rock	3.5	0.02	--	--	<5	0.3	19	8	46	<5	<5	<3	<1	<10	<2	<0.2	2	3	13	<5	108	14	156
168622	Rock	1.8	0.01	--	--	<5	<0.1	13	9	36	6	<5	<3	<1	<10	2	<0.2	2	3	14	<5	113	16	152
168623	Rock	2.5	0.44	--	--	12	18.4	376	46	115	<5	<5	<3	3	<10	6	6.5	2	2	13	<5	78	6	129
168624	Rock	2.6	5.23	5.56	173.4	116	192.1	2443	36	16499	22	6	<3	<1	<10	44	1461.4	5	4	3	<5	154	16	98
RE 168437	Repeat	--	0.01	--	--	<5	0.3	26	2	44	<5	<5	<3	4	<10	<2	<0.2	9	32	96	7	51	81	352
RE 168456	Repeat	--	1.14	--	--	32	28.3	307	7	637	<5	<5	<3	42	<10	12	63.0	<1	4	5	<5	171	4	32
RE 168476	Repeat	--	5.93	--	182.0	160	210.0	1850	70	8041	19	7	<3	<1	<10	31	649.5	2	3	3	<5	207	1	54
RE 168495	Repeat	--	0.09	--	--	<5	4.3	77	19	160	<5	<5	<3	3	<10	<2	9.6	1	3	17	<5	95	5	160
RE 168515	Repeat	--	0.30	--	--	9	13.1	101	50	260	<5	<5	<3	83	<10	<2	19.1	1	3	25	<5	95	6	86
RE 168534	Repeat	--	0.01	--	--	<5	0.3	40	10	46	<5	<5	<3	1	<10	<2	<0.2	2	3	17	<5	90	15	190
RE 168554	Repeat	--	3.40	--	108.9	100	100.8	270	253	1910	<5	<5	<3	92	<10	14	129.9	1	2	21	120	99	10	126
RE 168573	Repeat	--	<0.01	--	--	<5	5.5	111	146	341	<5	<5	<3	45	<10	16	26.2	4	4	8	<5	49	7	157
RE 168593	Repeat	--	0.18	--	--	7	10.6	295	58	729	<5	<5	<3	20	<10	13	59.8	<1	3	12	<5	126	6	50
RE 168612	Repeat	--	1.02	--	--	30	48.1	290	670	1331	<5	<5	<3	28	<10	11	87.1	2	2	14	80	75	10	123
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09K3295
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 188
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 17, 2009
Date Out: Nov 30, 2009

Minimum detection		0.1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168437	Pulp	--	50	28	7	1	0.09	1.20	0.66	2.30	0.57	0.09	0.08	0.05
168438	Rock	3.0	3	4	<1	<1	<0.01	0.07	0.09	3.68	0.01	<0.01	<0.01	<0.01
168439	Rock	2.8	4	2	<1	<1	0.01	0.11	0.05	6.29	0.02	0.02	<0.01	<0.01
168440	Rock	2.5	20	6	1	<1	<0.01	0.32	0.08	0.70	0.08	0.15	0.01	<0.01
168441	Rock	3.2	17	7	<1	<1	<0.01	0.33	0.24	0.80	0.08	0.16	0.03	<0.01
168442	Rock	2.7	3	2	<1	<1	<0.01	0.05	0.06	0.81	0.01	0.01	<0.01	<0.01
168443	Rock	2.8	19	12	1	<1	0.01	0.43	0.31	0.62	0.13	0.16	0.04	<0.01
168444	Pulp	--	14	28	7	<1	0.02	0.46	0.29	4.86	0.15	0.21	0.02	0.02
168445	Rock	2.5	12	22	<1	<1	0.01	0.27	0.08	2.98	0.14	0.07	<0.01	0.01
168446	Rock	2.5	2	1	<1	<1	<0.01	0.06	0.07	0.72	0.01	0.01	<0.01	<0.01
168447	Rock	2.5	7	15	<1	<1	<0.01	0.22	0.24	0.41	0.04	0.08	0.01	<0.01
168448	Rock	2.2	4	2	<1	<1	<0.01	0.14	0.16	0.59	0.01	0.06	<0.01	<0.01
168449	Rock	2.5	4	7	<1	<1	<0.01	0.25	0.22	0.90	0.01	0.05	0.01	<0.01
168450	Rock	4.2	26	36	6	1	<0.01	0.77	0.47	1.98	0.16	0.22	0.02	0.01
168451	Rock	1.8	29	41	6	<1	0.01	0.87	0.48	2.02	0.18	0.22	0.01	0.02
168452	Rock	3.3	23	17	6	<1	<0.01	0.52	0.68	1.96	0.15	0.22	0.02	0.03
168453	Rock	3.5	17	7	1	<1	<0.01	0.26	0.44	0.68	0.06	0.15	0.03	<0.01
168454	Rock	4.3	18	6	2	<1	0.01	0.28	0.25	0.71	0.06	0.17	0.04	<0.01
168455	Rock	4.6	17	10	2	<1	<0.01	0.36	0.38	1.68	0.08	0.18	0.02	0.01
168456	Rock	3.0	4	1	<1	<1	<0.01	0.10	0.10	0.45	0.02	0.05	0.01	<0.01
168457	Rock	1.0	6	4	4	<1	<0.01	0.22	0.22	1.48	0.03	0.10	0.02	<0.01
168458	Pulp	--	47	33	7	2	0.10	1.23	0.67	2.51	0.60	0.09	0.08	0.05
168459	Rock	4.4	12	10	5	<1	0.01	0.36	0.35	1.63	0.05	0.17	0.03	<0.01
168460	Rock	4.1	17	14	2	<1	0.02	0.38	0.37	1.23	0.10	0.15	0.05	<0.01
168461	Pulp	--	46	33	7	2	0.10	1.25	0.68	2.54	0.62	0.09	0.08	0.05
168462	Rock	2.0	42	16	1	<1	0.07	0.86	0.20	1.40	0.48	0.22	0.06	0.03
168463	Rock	3.2	27	12	<1	<1	0.01	0.60	0.07	0.91	0.25	0.18	0.03	0.02
168464	Rock	2.7	27	12	<1	<1	0.01	0.65	0.07	0.93	0.26	0.20	0.03	0.02
168465	Rock	2.1	71	12	<1	2	0.15	1.72	0.39	3.12	0.88	0.71	0.08	0.06
168466	Rock	2.5	22	4	<1	1	0.04	0.72	0.16	2.81	0.28	0.20	0.04	0.02
168467	Rock	1.9	10	2	<1	<1	0.01	0.28	0.05	3.04	0.11	0.09	0.01	0.01
168468	Pulp	--	35	24	4	<1	0.04	0.68	0.44	8.16	0.46	0.11	0.04	0.03
168469	Rock	3.8	20	5	1	<1	0.02	0.43	0.28	0.75	0.15	0.19	0.03	0.01
168470	Rock	3.9	24	10	1	<1	0.03	0.47	0.49	0.95	0.20	0.17	0.04	0.01
168471	Rock	4.4	26	6	<1	<1	<0.01	0.51	0.20	0.98	0.17	0.15	0.02	0.01
168472	Rock	3.5	23	14	<1	<1	0.01	0.45	0.51	1.17	0.17	0.15	0.03	0.01
168473	Rock	2.4	22	13	1	<1	0.01	0.46	0.50	1.17	0.16	0.16	0.03	0.01
168474	Rock	2.1	20	17	<1	<1	<0.01	0.44	0.56	1.12	0.10	0.19	0.02	0.01
168475	Rock	1.4	19	8	<1	<1	<0.01	0.49	0.49	1.38	0.11	0.19	0.03	0.01
168476	Rock	2.1	<2	<1	<1	<1	<0.01	0.09	0.01	1.00	0.01	0.03	0.01	<0.01
168477	Rock	1.5	<2	<1	<1	<1	<0.01	0.03	<0.01	0.39	<0.01	0.01	<0.01	<0.01
168478	Rock	1.2	2	<1	<1	<1	<0.01	0.13	0.01	6.49	0.01	0.01	<0.01	<0.01
168479	Rock	2.3	5	2	<1	<1	<0.01	0.23	0.05	7.01	0.02	0.07	<0.01	<0.01
168480	Rock	3.7	16	9	1	<1	<0.01	0.36	0.38	0.59	0.03	0.22	0.02	0.01
168481	Rock	3.1	17	6	2	<1	<0.01	0.33	0.44	0.67	0.04	0.21	0.01	<0.01
168482	Pulp	--	46	36	7	2	0.11	1.19	0.73	2.33	0.57	0.09	0.08	0.05
168483	Rock	3.3	17	10	2	<1	<0.01	0.44	0.56	0.73	0.04	0.20	0.01	0.01
168484	Rock	2.9	14	7	2	<1	<0.01	0.37	0.48	2.32	0.05	0.21	0.01	0.01
168485	Rock	3.0	23	10	2	<1	<0.01	0.42	0.62	0.64	0.08	0.20	0.02	0.01
168486	Rock	2.8	25	25	2	<1	<0.01	0.57	0.92	0.61	0.07	0.24	0.02	<0.01
168487	Rock	3.7	26	7	1	<1	<0.01	0.36	0.52	0.57	0.07	0.22	0.01	<0.01
168488	Rock	3.8	25	5	1	<1	<0.01	0.40	0.18	0.59	0.05	0.23	0.02	<0.01
168489	Pulp	--	14	26	7	<1	0.02	0.46	0.28	4.30	0.15	0.21	0.02	0.02
168490	Rock	4.4	24	7	1	<1	<0.01	0.36	0.48	0.63	0.07	0.21	0.02	0.01
168491	Rock	1.1	5	5	<1	<1	<0.01	0.17	0.36	0.72	0.01	0.10	<0.01	<0.01
168492	Rock	3.5	28	9	1	<1	<0.01	0.40	0.60	0.77	0.11	0.21	0.02	0.01
168493	Rock	3.5	21	7	2	<1	<0.01	0.38	0.37	0.65	0.05	0.22	0.01	0.01
168494	Rock	2.6	13	6	<1	<1	<0.01	0.31	0.40	1.07	0.03	0.18	0.02	<0.01
168495	Rock	3.0	25	11	1	<1	<0.01	0.34	0.38	0.58	0.05	0.22	0.01	<0.01

Minimum detection		0.1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168496	Rock	1.4	26	13	1	<1	<0.01	0.33	0.40	0.62	0.05	0.21	0.01	<0.01
168497	Rock	4.2	29	10	1	<1	<0.01	0.41	0.32	0.69	0.06	0.25	0.01	0.01
168498	Rock	3.9	24	13	1	<1	<0.01	0.37	0.42	0.68	0.06	0.22	0.02	0.01
168499	Rock	4.0	28	12	1	<1	<0.01	0.47	0.52	0.88	0.09	0.22	0.03	0.01
168500	Rock	3.9	24	21	<1	<1	<0.01	0.43	0.51	0.76	0.10	0.20	0.03	0.01
168501	Rock	5.1	21	23	<1	<1	<0.01	0.42	0.81	0.81	0.09	0.18	0.02	0.01
168502	Rock	2.3	16	43	<1	<1	<0.01	0.33	0.57	0.47	0.07	0.17	0.02	0.01
168503	Pulp	--	49	30	6	1	0.09	1.21	0.66	2.43	0.60	0.09	0.07	0.05
168504	Rock	4.1	5	4	<1	<1	<0.01	0.20	0.17	0.86	0.02	0.13	0.01	<0.01
168505	Rock	2.0	<2	<1	<1	<1	<0.01	0.03	0.04	0.30	<0.01	0.02	<0.01	<0.01
168506	Rock	4.3	13	5	1	<1	<0.01	0.27	0.41	0.53	0.02	0.22	0.01	<0.01
168507	Rock	3.3	20	12	1	<1	0.01	0.38	0.58	0.75	0.09	0.18	0.03	0.01
168508	Rock	4.1	17	7	<1	<1	<0.01	0.37	0.43	0.64	0.06	0.23	0.02	0.01
168509	Rock	4.2	20	12	<1	<1	<0.01	0.40	0.55	0.64	0.07	0.22	0.02	0.01
168510	Pulp	--	35	25	4	<1	0.04	0.71	0.46	7.95	0.50	0.12	0.04	0.03
168511	Rock	3.5	18	23	<1	<1	0.01	0.47	0.36	0.74	0.12	0.20	0.04	0.01
168512	Rock	3.1	16	5	1	<1	0.02	0.40	0.16	0.71	0.10	0.19	0.03	0.01
168513	Rock	4.3	15	6	<1	<1	0.01	0.43	0.30	1.18	0.06	0.20	0.02	0.01
168514	Rock	1.0	10	10	<1	<1	<0.01	0.43	0.26	0.60	0.02	0.13	0.01	<0.01
168515	Rock	3.0	20	4	1	<1	<0.01	0.34	0.26	0.41	0.03	0.21	0.01	0.01
168516	Rock	4.3	13	5	<1	<1	<0.01	0.30	0.35	0.57	0.02	0.21	0.01	0.01
168517	Rock	1.7	12	4	1	<1	<0.01	0.34	0.31	0.95	0.03	0.22	0.01	0.01
168518	Rock	4.1	18	7	1	<1	<0.01	0.35	0.46	0.61	0.09	0.18	0.02	0.01
168519	Rock	4.5	23	9	1	<1	0.01	0.38	0.46	0.85	0.12	0.15	0.04	0.01
168520	Pulp	--	46	32	6	2	0.10	1.21	0.67	2.39	0.60	0.09	0.08	0.05
168521	Rock	3.2	19	10	1	<1	0.01	0.75	0.24	0.70	0.16	0.20	0.06	0.02
168522	Rock	2.3	22	8	<1	<1	<0.01	0.58	0.69	0.84	0.17	0.22	0.02	0.02
168523	Rock	3.2	21	13	<1	<1	0.01	0.46	0.70	0.85	0.18	0.14	0.03	0.01
168524	Rock	3.7	19	19	1	<1	0.02	0.48	0.33	0.98	0.18	0.16	0.03	0.01
168525	Rock	3.5	20	42	<1	<1	0.01	0.48	0.66	0.81	0.14	0.18	0.04	0.01
168526	Rock	1.2	10	3	<1	<1	<0.01	0.27	0.18	1.75	0.04	0.10	0.02	<0.01
168527	Pulp	--	40	28	4	1	0.04	0.75	0.48	8.89	0.53	0.12	0.04	0.03
168528	Rock	2.5	25	8	1	<1	<0.01	0.35	0.47	0.64	0.07	0.13	0.05	0.01
168529	Rock	4.9	29	15	1	<1	<0.01	0.36	0.45	1.03	0.10	0.12	0.04	0.01
168530	Rock	4.5	27	9	1	<1	0.01	0.42	0.44	1.01	0.14	0.10	0.05	0.01
168531	Rock	1.5	24	10	3	<1	<0.01	0.36	0.85	0.36	0.06	0.06	0.09	0.01
168532	Rock	2.2	35	8	2	1	<0.01	0.36	0.49	0.78	0.14	0.09	0.06	0.01
168533	Rock	2.5	28	7	1	<1	<0.01	0.44	0.47	0.87	0.14	0.15	0.03	0.01
168534	Rock	1.4	27	7	1	<1	<0.01	0.44	0.37	0.84	0.13	0.16	0.03	0.01
168535	Rock	--	19	9	<1	<1	<0.01	0.36	0.73	2.44	0.09	0.15	0.03	0.01
168536	Rock	3.0	25	9	1	<1	<0.01	0.41	0.55	0.73	0.09	0.16	0.03	0.01
168537	Rock	2.6	21	9	<1	<1	<0.01	0.31	0.63	1.69	0.04	0.18	0.02	0.01
168538	Rock	2.7	20	13	1	<1	<0.01	0.46	0.48	0.77	0.08	0.20	0.03	0.01
168539	Rock	2.9	18	25	1	<1	0.01	0.37	0.38	0.54	0.10	0.17	0.03	0.01
168540	Rock	4.0	20	8	2	<1	<0.01	0.36	0.55	0.45	0.02	0.22	0.01	0.01
168541	Pulp	--	46	34	7	2	0.10	1.20	0.68	2.39	0.62	0.09	0.08	0.05
168542	Rock	3.1	2	<1	<1	<1	<0.01	0.07	0.12	2.12	<0.01	0.04	<0.01	<0.01
168543	Rock	2.5	3	8	<1	<1	<0.01	0.29	1.12	2.30	<0.01	0.06	<0.01	<0.01
168544	Rock	1.7	17	3	2	<1	<0.01	0.25	0.22	0.42	0.02	0.17	<0.01	<0.01
168545	Rock	3.5	18	20	1	<1	<0.01	0.42	0.49	0.49	0.04	0.21	0.01	0.01
168546	Rock	4.2	19	18	2	<1	0.01	0.53	0.35	0.60	0.13	0.16	0.05	0.01
168547	Rock	4.8	9	10	1	<1	0.01	0.56	0.36	0.40	0.05	0.18	0.05	0.01
168548	Pulp	--	14	26	7	<1	0.02	0.46	0.28	5.04	0.16	0.21	0.02	0.02
168549	Rock	4.2	10	30	1	<1	0.01	0.67	0.50	0.47	0.06	0.14	0.05	0.01
168550	Rock	3.6	14	48	1	<1	0.01	0.61	0.44	0.58	0.08	0.19	0.05	0.01
168551	Rock	3.0	15	6	1	<1	<0.01	0.35	0.44	0.51	0.05	0.17	0.02	0.01
168552	Rock	2.2	2	1	<1	<1	<0.01	0.11	0.04	1.21	0.01	0.01	<0.01	<0.01
168553	Rock	1.4	6	2	<1	<1	<0.01	0.34	0.17	3.18	0.03	0.05	<0.01	<0.01
168554	Rock	3.4	12	12	<1	<1	<0.01	0.60	0.38	0.71	0.05	0.17	0.05	<0.01
168555	Rock	2.2	13	24	<1	<1	0.01	0.66	0.41	0.54	0.08	0.19	0.05	0.01
168556	Rock	4.5	20	11	1	<1	<0.01	0.32	0.34	0.62	0.08	0.16	0.04	<0.01
168557	Rock	4.0	13	14	<1	<1	<0.01	0.18	0.56	0.68	0.03	0.15	0.03	<0.01
168558	Rock	4.0	20	25	1	<1	<0.01	0.27	0.40	0.80	0.09	0.14	0.04	<0.01
168559	Pulp	--	48	33	7	1	0.12	1.33	0.71	2.62	0.62	0.09	0.08	0.05
168560	Rock	3.9	27	10	2	<1	<0.01	0.35	0.51	0.80	0.11	0.13	0.03	0.01
168561	Rock	4.6	18	7	1	<1	<0.01	0.26	0.39	0.65	0.06	0.14	0.02	<0.01
168562	Rock	4.3	17	6	1	<1	<0.01	0.28	0.18	0.74	0.05	0.15	0.01	<0.01
168563	Rock	4.8	14	5	1	<1	<0.01	0.24	0.26	0.86	0.04	0.15	0.02	<0.01
168564	Rock	3.5	9	3	<1	<1	<0.01	0.24	0.16	4.90	0.03	0.13	0.01	<0.01
168565	Rock	4.5	17	6	2	<1	0.01	0.31	0.35	0.95	0.10	0.13	0.04	<0.01
168566	Pulp	--	36	27	4	<1	0.04	0.71	0.46	8.49	0.51	0.12	0.04	0.03
168567	Rock	4.2	19	7	2	<1	0.01	0.32	0.25	0.83	0.09	0.12	0.04	0.01
168568	Rock	3.8	18	6	2	<1	<0.01	0.28	0.31	0.84	0.06	0.15	0.03	<0.01
168569	Rock	3.5	14	5	1	<1	<0.01	0.22	0.25	0.75	0.05	0.13	0.03	<0.01
168570	Pulp	--	46	36	7	2	0.12	1.33	0.72	2.61	<0.01	0.09	0.08	0.05
168571	Rock	6.7	18	17	1	<1	<0.01	0.28	0.91	0.94	0.06	0.18	0.04	0.03
168572	Rock	5.1	24	16	1	<1	<0.01	0.24	0.77	0.40	0.03	0.12	0.05	0.04
168573	Rock	5.0	23	22	1	<1	<0.01	0.22	0.85	1.33	0.07	0.12	0.06	0.02

Minimum detection		0.1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168574	Rock	5.5	38	18	<1	1	0.03	0.65	0.83	1.71	0.40	0.29	0.04	0.03
168575	Rock	7.2	31	27	<1	1	<0.01	0.53	1.24	2.11	0.31	0.21	0.04	0.03
168576	Rock	5.3	40	18	<1	1	0.03	0.68	0.79	1.84	0.41	0.30	0.04	0.03
168577	Pulp	--	38	30	5	<1	0.05	0.77	0.48	8.57	0.52	0.13	0.05	0.03
168578	Rock	6.0	33	31	<1	1	0.01	0.63	1.24	1.68	0.33	0.22	0.05	0.03
168579	Rock	4.2	2	3	<1	<1	<0.01	0.04	0.17	1.23	0.01	0.03	<0.01	<0.01
168580	Rock	4.2	2	1	<1	<1	<0.01	0.03	0.11	2.16	<0.01	0.02	<0.01	<0.01
168581	Rock	3.3	3	<1	<1	<1	<0.01	0.12	0.03	6.40	0.01	0.02	<0.01	<0.01
168582	Rock	4.0	6	2	<1	<1	<0.01	0.14	0.11	1.47	0.03	0.07	0.01	<0.01
168583	Rock	2.1	11	2	<1	<1	<0.01	0.18	0.05	0.31	0.02	0.14	0.01	<0.01
168584	Rock	1.0	5	2	<1	<1	<0.01	0.07	0.06	2.83	0.01	0.05	0.01	<0.01
168585	Rock	2.7	12	1	<1	<1	<0.01	0.23	0.03	0.32	0.02	0.17	0.01	<0.01
168586	Rock	3.3	3	<1	<1	<1	<0.01	0.06	0.02	0.42	<0.01	0.05	<0.01	<0.01
168587	Rock	1.3	4	<1	<1	<1	<0.01	0.08	0.02	0.24	<0.01	0.07	<0.01	<0.01
168588	Rock	4.1	9	2	1	<1	<0.01	0.16	0.07	0.39	0.02	0.12	0.01	<0.01
168589	Rock	4.6	4	2	<1	<1	<0.01	0.05	0.14	5.48	0.01	0.04	0.01	<0.01
168590	Rock	2.5	7	1	<1	<1	<0.01	0.05	0.07	9.75	0.02	0.02	<0.01	<0.01
168591	Pulp	--	45	32	6	2	0.09	1.17	0.65	2.38	0.58	0.08	0.07	0.05
168592	Rock	5.0	7	1	<1	<1	<0.01	0.17	0.09	11.08	0.02	0.07	<0.01	<0.01
168593	Rock	4.3	10	6	2	<1	<0.01	0.20	0.22	0.60	0.03	0.15	0.01	<0.01
168594	Rock	6.3	11	8	3	<1	<0.01	0.21	0.33	0.94	0.01	0.15	0.02	<0.01
168595	Rock	6.4	12	4	3	<1	<0.01	0.27	0.15	0.44	0.01	0.21	0.01	<0.01
168596	Rock	6.5	12	6	3	<1	<0.01	0.16	0.17	0.29	<0.01	0.14	0.01	<0.01
168597	Rock	5.8	15	7	3	<1	<0.01	0.22	0.23	0.43	0.01	0.17	0.01	<0.01
168598	Pulp	--	14	29	8	<1	0.02	0.47	0.28	4.43	0.15	0.21	0.02	0.02
168599	Rock	6.0	22	4	3	<1	<0.01	0.19	0.16	0.23	0.01	0.15	0.01	<0.01
168600	Rock	6.2	9	2	2	<1	<0.01	0.19	0.09	0.65	0.01	0.15	0.01	<0.01
168601	Rock	6.2	8	6	1	<1	<0.01	0.29	0.32	0.91	0.04	0.14	0.03	0.01
168602	Rock	5.0	5	4	<1	<1	<0.01	0.17	0.30	3.27	0.02	0.12	0.01	<0.01
168603	Rock	4.9	5	6	2	<1	<0.01	0.19	0.35	1.77	0.03	0.13	0.01	<0.01
168604	Rock	5.0	12	12	3	<1	0.01	0.59	0.59	1.96	0.08	0.24	0.06	0.01
168605	Rock	2.7	12	12	2	<1	0.01	0.57	0.63	2.05	0.09	0.20	0.06	0.01
168606	Rock	5.1	14	8	2	<1	0.03	0.62	0.45	1.94	0.13	0.18	0.07	0.01
168607	Rock	6.3	13	11	2	<1	0.01	0.41	0.62	1.76	0.07	0.21	0.02	0.01
168608	Pulp	--	47	36	7	2	0.12	1.28	0.73	2.49	0.58	0.09	0.09	0.05
168609	Rock	4.4	72	20	<1	1	0.21	1.61	0.39	3.30	0.99	0.99	0.08	0.06
168610	Rock	4.8	71	17	<1	2	0.19	1.65	0.46	3.52	0.98	0.89	0.09	0.06
168611	Rock	0.7	20	3	<1	<1	0.02	0.38	0.09	0.77	0.20	0.17	0.04	0.01
168612	Rock	2.6	15	8	<1	<1	<0.01	0.33	0.12	0.73	0.09	0.16	0.02	0.01
168613	Rock	3.7	26	5	1	<1	0.01	0.47	0.33	0.89	0.19	0.17	0.02	0.01
168614	Rock	4.6	21	6	2	<1	<0.01	0.30	0.39	0.55	0.09	0.14	0.02	0.01
168615	Pulp	--	40	25	4	<1	0.04	0.69	0.45	8.09	0.46	0.12	0.04	0.03
168616	Rock	3.7	23	15	2	<1	<0.01	0.34	0.38	0.62	0.09	0.13	0.03	0.01
168617	Rock	3.8	24	6	2	<1	<0.01	0.39	0.22	0.76	0.11	0.12	0.03	<0.01
168618	Rock	4.0	17	41	1	<1	<0.01	0.39	0.45	0.69	0.07	0.16	0.03	0.01
168619	Rock	3.9	15	12	1	<1	<0.01	0.28	0.40	0.75	0.04	0.14	0.02	0.01
168620	Rock	3.8	23	20	2	<1	0.01	0.41	0.25	0.77	0.14	0.13	0.04	0.01
168621	Rock	3.5	26	9	2	<1	0.01	0.41	0.32	0.90	0.15	0.12	0.04	0.01
168622	Rock	1.8	25	7	2	<1	0.01	0.42	0.30	0.97	0.14	0.12	0.05	0.01
168623	Rock	2.5	21	6	1	<1	<0.01	0.29	0.41	0.66	0.05	0.17	0.01	0.01
168624	Rock	2.6	4	1	<1	<1	<0.01	0.20	0.05	3.07	0.02	0.02	<0.01	<0.01
RE 168437	Repeat	--	51	38	7	1	0.10	1.21	0.66	2.40	0.57	0.09	0.08	0.05
RE 168456	Repeat	--	4	1	<1	<1	<0.01	0.10	0.10	0.45	0.02	0.05	0.01	<0.01
RE 168476	Repeat	--	2	<1	<1	<1	<0.01	0.09	0.01	1.00	0.01	0.03	0.01	<0.01
RE 168495	Repeat	--	25	11	1	<1	<0.01	0.34	0.38	0.58	0.05	0.22	0.01	<0.01
RE 168515	Repeat	--	20	5	1	<1	<0.01	0.34	0.27	0.41	0.03	0.20	0.01	0.01
RE 168534	Repeat	--	28	7	1	<1	<0.01	0.44	0.37	0.84	0.13	0.16	0.03	0.01
RE 168554	Repeat	--	12	11	<1	<1	<0.01	0.60	0.38	0.71	0.05	0.17	0.05	<0.01
RE 168573	Repeat	--	24	25	1	<1	<0.01	0.22	0.85	1.33	0.07	0.12	0.06	0.02
RE 168593	Repeat	--	10	6	2	<1	<0.01	0.20	0.22	0.60	0.03	0.15	0.01	<0.01
RE 168612	Repeat	--	15	8	<1	<1	<0.01	0.33	0.12	0.73	0.09	0.16	0.02	0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corres*

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ISO 9001:2000 Certified

Certificate#: 09K3408
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 142
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 25, 2009
Date Out: Dec 07, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168625	Rock	3.2	50.65	51.00	1573.3	1188	279.0	2503	13301	12912	25	<5	<3	5	<10	168	1052.9	3	3	5	15	141
168626	Rock	3.5	0.21	--	--	9	7.4	85	60	350	<5	<5	<3	9	<10	2	24.5	<1	3	22	19	111
168627	Rock	3.6	0.58	--	--	18	24.6	86	77	206	<5	<5	<3	15	<10	<2	13.9	<1	2	16	<5	108
168628	Rock	2.8	0.09	--	--	<5	2.2	60	29	136	<5	<5	<3	2	<10	<2	7.9	1	2	15	<5	96
168629	Pulp	--	0.01	--	--	<5	<0.1	21	<2	38	<5	<5	<3	5	<10	<2	<0.2	8	30	99	6	50
168630	Rock	3.3	0.06	--	--	<5	2.4	60	29	164	<5	<5	<3	6	<10	<2	9.6	<1	2	16	<5	88
168631	Rock	3.5	0.19	--	--	6	7.5	90	66	222	<5	<5	<3	40	<10	<2	13.8	<1	2	25	<5	111
168632	Pulp	--	0.01	--	--	<5	<0.1	22	<2	37	<5	<5	<3	5	<10	<2	<0.2	8	29	101	6	50
168633	Rock	2.0	0.77	--	--	17	23.6	100	21	211	<5	<5	<3	3	<10	<2	<0.2	11	10	30	6	56
168634	Rock	2.1	0.83	--	--	19	18.7	118	79	168	<5	<5	<3	72	<10	13	0.9	11	5	26	<5	64
168635	Rock	4.3	0.14	--	--	<5	5.6	217	56	355	<5	<5	<3	1	<10	<2	20.7	3	2	21	<5	62
168636	Rock	2.9	0.11	--	--	<5	3.5	154	50	737	<5	<5	<3	4	<10	5	58.6	3	2	19	<5	71
168637	Rock	0.6	6.62	6.58	224.5	326	244.8	3575	151	19982	<5	<5	<3	5	<10	183	1596.3	26	3	10	16	96
168638	Rock	4.0	0.03	--	--	<5	0.5	104	19	161	<5	<5	<3	2	<10	<2	9.0	2	2	16	<5	85
168639	Pulp	--	10.06	10.18	260.6	<5	278.3	1807	18129	9492	572	1146	6	878	<10	8	22.2	15	25	13	<5	24
168640	Rock	3.7	0.03	--	--	<5	0.5	45	29	151	<5	<5	<3	3	<10	<2	8.1	2	2	15	<5	90
168641	Rock	3.0	1.02	1.02	--	25	26.6	71	17	177	<5	<5	<3	5	<10	3	10.4	<1	2	19	<5	97
168642	Rock	2.9	0.05	--	--	<5	0.4	20	21	57	<5	<5	<3	1	<10	<2	0.8	1	2	14	<5	84
168643	Rock	1.8	0.15	--	--	10	7.8	194	29	229	8	<5	<3	2	<10	3	13.4	2	2	19	<5	98
168644	Rock	2.6	0.50	--	--	12	14.7	142	43	556	<5	<5	<3	2	<10	<2	35.8	1	2	16	<5	77
168645	Rock	2.9	7.99	7.96	268.8	187	269.3	3949	51	14195	24	<5	<3	11	<10	45	1253.5	6	4	8	270	153
168646	Rock	1.6	9.91	9.88	279.7	215	311.8	7052	42	14931	41	<5	<3	6	<10	56	1350.4	10	3	6	339	122
168647	Rock	2.3	10.72	11.32	466.9	360	376.7	2215	1483	9141	11	7	<3	94	<10	52	747.1	2	4	3	8	180
168648	Rock	3.3	0.32	--	--	18	17.6	171	52	802	<5	<5	<3	7	<10	3	60.5	<1	1	16	6	100
168649	Rock	3.7	0.05	--	--	<5	1.9	55	18	88	<5	<5	<3	3	<10	<2	4.3	<1	2	14	<5	102
168650	Rock	3.9	0.01	--	--	<5	<0.1	41	7	32	<5	<5	<3	5	<10	<2	0.7	1	2	16	<5	102
168651	Rock	4.2	0.61	--	--	17	14.2	59	36	111	<5	<5	<3	21	<10	11	6.6	2	2	17	<5	99
168652	Rock	2.8	1.38	1.32	--	28	22.2	134	18	1271	<5	<5	<3	13	<10	6	108.8	1	1	16	<5	95
168653	Pulp	--	0.01	--	--	<5	<0.1	22	<2	42	<5	<5	<3	5	<10	<2	<0.2	9	31	103	7	51
168654	Rock	3.9	0.05	--	--	<5	2.3	100	10	318	<5	<5	<3	4	<10	<2	27.5	1	2	15	<5	99
168655	Rock	4.0	0.75	--	--	26	31.8	360	13	1579	<5	<5	<3	8	<10	6	140.5	1	2	14	10	86
168656	Rock	3.0	0.55	--	--	16	16.4	166	20	980	<5	6	<3	6	<10	5	75.7	1	2	15	130	106
168657	Rock	3.4	2.96	2.96	127.5	114	140.6	2286	11	760	15	<5	<3	17	<10	13	73.4	2	2	13	261	92
168658	Rock	2.5	1.21	1.27	--	38	31.5	243	14	213	12	<5	<3	11	<10	20	15.4	2	3	4	<5	153
168659	Rock	4.4	0.15	--	--	5	3.6	103	11	320	<5	<5	<3	6	<10	4	23.9	<1	2	11	<5	89
168660	Pulp	--	29.87	29.83	--	<5	3.3	57	<2	105	38	33	13	3064	<10	<2	<0.2	6	19	14	18	21
168661	Rock	3.9	0.02	--	--	<5	0.2	24	6	44	<5	<5	<3	7	<10	<2	<0.2	1	2	15	<5	107
168662	Pulp	--	0.01	--	--	<5	<0.1	21	<2	39	<5	<5	<3	6	<10	<2	<0.2	9	30	104	6	49
168663	Rock	5.4	0.01	--	--	<5	2.0	106	48	83	<5	<5	<3	2	<10	7	1.1	3	3	75	<5	70
168664	Rock	6.1	0.05	--	--	5	23.1	259	678	708	<5	<5	<3	9	<10	48	58.5	4	3	36	8	72
168665	Rock	5.4	2.39	2.52	148.2	103	162.3	1186	2588	7239	<5	<5	<3	6	<10	66	646.2	2	3	4	283	153
168666	Rock	4.4	10.33	10.30	720.3	495	324.6	18567	4846	20786	23	<5	<3	7	<10	152	1519.3	9	4	4	39	159
168667	Rock	4.4	0.61	--	--	38	45.3	2089	513	7135	<5	<5	<3	43	<10	83	657.6	3	3	3	15	148
168668	Rock	3.3	0.62	--	--	38	37.2	2824	92	7694	8	<5	<3	5	<10	39	685.6	3	4	3	13	200
168669	Pulp	--	10.13	10.01	254.7	<5	265.2	1898	16580	8968	591	1118	6	1039	<10	7	26.3	15	25	11	8	26
168670	Rock	6.2	0.44	--	--	29	13.3	537	39	2164	<5	<5	<3	31	<10	28	196.7	<1	1	13	8	98
168671	Rock	6.3	0.01	--	--	<5	0.3	34	23	82	<5	<5	<3	17	<10	<2	6.4	<1	2	15	<5	106
168672	Rock	6.7	0.01	--	--	<5	0.7	227	15	51	<5	<5	<3	24	<10	2	4.0	<1	<1	12	<5	69
168673	Rock	4.1	0.05	--	--	<5	3.0	98	17	73	<5	<5	<3	14	<10	5	6.0	<1	3	3	<5	203
168674	Rock	3.2	0.43	--	--	72	24.8	2720	188	1079	<5	<5	<3	16	<10	118	102.7	3	5	4	<5	152
168675	Rock	3.8	0.16	--	--	20	5.7	1027	29	125	<5	<5	<3	5	<10	23	11.2	<1	2	15	<5	98
168676	Rock	2.3	0.02	--	--	<5	0.3	130	16	34	<5	<5	<3	5	<10	3	2.7	<1	1	12	<5	75

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168677	Rock	2.8	0.02	--	--	<5	<0.1	17	11	13	<5	<5	<3	19	<10	<2	0.7	<1	2	13	<5	78
168678	Rock	1.8	0.02	--	--	<5	1.0	91	20	61	<5	<5	<3	32	<10	5	4.9	<1	2	13	<5	65
168679	Rock	2.8	0.99	--	--	131	39.9	4799	199	6041	<5	<5	<3	23	<10	216	497.8	4	7	10	<5	166
168680	Rock	3.6	0.03	--	--	<5	1.4	95	41	96	7	<5	<3	3	<10	3	6.8	<1	1	14	<5	66
168681	Rock	4.0	0.19	--	--	9	7.1	144	28	503	<5	<5	<3	25	<10	6	36.1	<1	2	17	<5	116
168682	Rock	2.5	3.39	3.40	117.0	244	138.9	16755	327	16406	<5	<5	<3	14	<10	256	1368.4	4	5	8	22	126
168683	Pulp	--	0.01	--	--	<5	<0.1	23	<2	43	<5	<5	<3	5	<10	<2	<0.2	9	30	103	6	51
168684	Rock	2.0	2.79	2.80	98.8	136	100.5	3276	58	2250	<5	<5	<3	9	<10	89	187.9	3	4	11	<5	128
168685	Rock	6.5	0.07	--	--	6	4.4	198	44	92	14	<5	<3	4	<10	2	6.7	4	4	12	<5	73
168686	Rock	5.3	0.07	--	--	<5	2.9	97	47	206	215	<5	<3	65	<10	3	14.2	<1	2	15	<5	79
168687	Rock	5.9	0.32	--	--	15	16.3	258	159	585	<5	<5	<3	3	<10	15	45.3	1	1	12	<5	62
168688	Rock	6.2	0.24	--	--	7	7.2	157	155	128	<5	<5	<3	3	<10	<2	8.6	<1	2	12	8	70
168689	Rock	6.2	0.12	--	--	6	6.1	218	267	292	<5	<5	<3	6	<10	<2	20.4	2	2	12	107	68
168690	Pulp	--	29.95	29.88	--	<5	3.9	59	<2	109	40	35	14	3287	<10	<2	<0.2	6	20	10	21	22
168691	Rock	6.1	0.51	--	--	22	34.8	223	162	143	16	<5	<3	14	<10	7	10.8	3	5	17	<5	66
168692	Rock	3.7	2.89	2.88	85.6	96	89.4	1051	180	3615	5	<5	<3	77	<10	51	287.2	2	3	9	6	79
168693	Rock	4.7	4.55	4.52	134.7	144	162.7	832	102	3489	19	<5	<3	35	<10	41	263.3	2	5	14	<5	86
168694	Rock	3.1	0.06	--	--	<5	2.6	195	29	255	17	<5	<3	35	<10	6	17.1	4	10	17	<5	63
168695	Rock	4.9	0.09	--	--	<5	4.7	113	94	282	<5	<5	<3	14	<10	<2	18.2	4	9	21	20	73
168696	Pulp	--	0.01	--	--	<5	<0.1	21	<2	40	<5	<5	<3	5	<10	<2	<0.2	9	31	102	6	50
168697	Rock	6.1	0.03	--	--	11	1.0	188	30	133	<5	<5	<3	14	<10	<2	1.8	7	6	37	<5	57
168698	Rock	6.4	0.01	--	--	<5	1.7	121	58	138	<5	<5	<3	26	<10	3	<0.2	9	6	42	<5	46
168699	Rock	5.2	0.32	--	--	10	10.7	553	88	843	<5	<5	<3	15	<10	12	58.9	6	5	33	10	65
168700	Rock	3.7	1.30	1.27	50.1	79	52.6	3174	82	11177	5	<5	<3	11	<10	87	1049.2	17	3	4	26	131
168701	Rock	1.2	0.02	--	--	<5	1.1	266	10	153	<5	<5	<3	176	<10	6	11.5	<1	3	9	<5	172
168702	Rock	4.0	0.40	--	--	36	30.4	1732	274	5168	7	<5	<3	31	<10	88	464.7	3	3	5	6	158
168703	Pulp	--	9.16	9.29	253.8	<5	282.5	1867	16057	8756	568	1133	6	992	<10	8	22.0	15	25	13	<5	25
168704	Rock	5.1	0.45	--	--	27	10.2	270	53	1587	<5	<5	<3	129	<10	50	160.2	2	3	3	<5	192
168705	Rock	5.2	0.03	--	--	<5	1.4	95	35	841	<5	<5	<3	49	<10	7	80.0	2	3	4	<5	176
168706	Rock	6.4	0.01	--	--	<5	0.6	104	31	40	<5	<5	<3	8	<10	3	0.8	2	2	22	<5	81
168707	Rock	5.8	0.01	--	--	<5	0.2	79	35	41	<5	<5	<3	6	<10	<2	0.8	<1	1	20	<5	73
168708	Rock	5.7	<0.01	--	--	<5	0.2	88	44	22	<5	<5	<3	3	<10	<2	0.6	<1	2	20	<5	81
168709	Pulp	--	0.01	--	--	<5	<0.1	22	<2	38	<5	<5	<3	5	<10	<2	<0.2	9	29	103	6	51
168710	Rock	4.3	0.02	--	--	<5	15.7	6865	74	1084	<5	<5	<3	1	<10	3	96.0	7	6	10	<5	68
168711	Rock	3.8	0.07	--	--	<5	8.3	385	83	4250	<5	<5	<3	92	<10	11	358.2	1	2	25	255	88
168712	Rock	4.1	0.02	--	--	<5	2.3	234	55	284	<5	<5	<3	3	<10	4	19.1	3	3	43	<5	60
168713	Rock	5.1	0.09	--	--	<5	4.6	279	38	816	<5	<5	<3	4	<10	3	65.6	3	3	32	62	74
168714	Rock	4.9	3.49	3.54	137.4	144	152.0	1914	674	7620	41	<5	<3	16	<10	47	676.8	2	2	5	336	134
168715	Rock	2.7	0.75	--	--	34	45.4	698	101	4819	56	<5	<3	34	<10	17	434.9	1	3	3	45	171
168716	Pulp	--	9.43	9.54	254.9	<5	275.0	1880	15763	8507	569	1058	6	1002	<10	8	23.7	15	25	13	11	25
168717	Rock	6.0	0.17	--	--	8	9.1	188	263	856	417	20	<3	16	<10	4	63.1	1	2	21	<5	83
168718	Rock	5.8	0.41	--	--	19	21.5	259	279	1186	<5	<5	<3	14	<10	5	82.3	<1	2	27	41	90
168719	Rock	6.3	0.64	--	--	59	44.6	388	941	3374	<5	<5	<3	6	<10	14	248.3	<1	1	13	87	71
168720	Rock	3.7	0.26	--	--	22	17.9	275	471	2354	<5	<5	<3	4	<10	8	182.1	<1	1	13	43	77
168721	Rock	2.6	0.06	--	--	7	9.6	959	303	1300	<5	<5	<3	12	<10	19	96.2	1	2	15	<5	70
168722	Rock	3.3	0.88	--	--	37	38.6	189	293	1785	<5	<5	<3	27	<10	32	138.8	<1	2	9	28	129
168723	Rock	1.1	0.98	--	59.8	49	64.3	287	237	1577	<5	<5	<3	23	<10	57	120.4	2	2	11	<5	107
168724	Rock	4.2	0.05	--	--	11	9.6	81	273	327	<5	<5	<3	21	<10	18	23.2	2	2	18	<5	74
168725	Rock	3.4	0.16	--	--	31	29.4	626	381	1197	6	22	<3	19	<10	82	106.2	3	4	13	<5	110
168726	Rock	3.5	0.38	--	--	114	46.6	1216	331	15833	<5	13	<3	12	<10	221	1329.0	3	4	5	17	165
168727	Rock	4.2	1.79	1.77	127.8	122	149.5	1303	428	7015	12	<5	<3	5	<10	109	629.0	2	3	2	15	148
168728	Rock	3.0	0.30	--	--	30	46.9	2191	811	25515	31	<5	<3	34	<10	113	2141.8	3	4	13	94	141
168729	Rock	2.4	0.15	--	--	9	8.9	123	165	586	<5	<5	<3	45	<10	7	45.8	<1	1	10	<5	92
168730	Pulp	--	0.02	--	--	<5	<0.1	22	<2	41	<5	<5	<3	5	<10	<2	<0.2	9	30	102	6	50
168731	Rock	1.9	9.36	9.50	721.9	513	307.5	4188	361	9751	23	6	<3	31	<10	79	729.9	2	4	5	53	172
168732	Rock	2.0	0.04	--	--	<5	3.1	146	96	221	6	<5	<3	6	<10	2	15.8	3	3	14	22	58
168733	Rock	3.7	1.46	1.44	89.2	69	93.9	541	860	1533	46	<5	<3	24	<10	8	124.7	3	4	5	<5	182
168734	Rock	2.8	2.02	2.24	86.4	93	89.6	291	33	892	63	<5	<3	3	<10	26	76.3	<1	2	<2	<5	163
168735	Rock	3.2	15.26	15.20	635.7	631	276.5	6349	2097	17693	93	9	<3	31	<10	392	1518.8	31	8	15	9	168
168736	Rock	5.0	0.53	--	--	26	24.6	478	74	2874	7	<5	<3	29	<10	13	235.0	6	9	17	7	56
168737	Pulp	--	29.87	29.90	--	<5	3.7	59	<2	113	39	36	13	2945	<10	<2	<0.2	6	19	11	20	20
168738	Rock	3.4	9.68	10.00	430.7	382	367.5	1605	622	6678	11	<5	<3	101	<10	159	543.6	6	18	23	17	82
168739	Rock	5.1	0.48	--	--	38	36.4	554	203	5141	7	<5	<3	12	<10	67	465.3	8	16	13	18	101
168740	Rock	7.1	0.12	--	--	<5	4.7	211	23	970	<5	<5	<3	33	<10	5	80.4	7	19	17	45	80
168741	Rock	6.1	0.02	--	--	<5	1.4	114	3	351	<5	<5	<3	13	<10	<2	23.6	8	18	14	<5	39
168742	Rock	6.5	0.03	--	--	7	9.4	115	30	1389	<5	<5	<3	41	<10	11	121.4	16	28	8	1728	69
168743	Pulp	--	0.01	--	--	<5	<0.1	22	<2	40	<5	<5	<3	5	<10	<2	<0.2	9	29	105	16	52
168744	Rock	3.6	0.01	--	--	<5	0.1	46	15	56	<5	<5	<3	1	<10	<2	0.8	2	3	19	9	100
168745	Rock	2.5	0.18	--	--	<5	2.6	126	34	430	<5	<5	<3	2	<10	2	29.0	2	2	17	17	77
168746	Rock	2.4	2.02	2.01	90.3	99	94.9	535	827	2431	<5	<5	<3	13	<10	42	186.1	1	2	17	5	111
168747	Rock	2.6	8.85	8.64	295.6	379	276.3	1371	2041	4514	10	5	<3	10	<10	76	384.8	2	3	2	10	139

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168748	Rock	2.1	23.56	23.40	891.2	991	255.8	3011	166	661	49	8	<3	28	<10	220	45.6	30	5	8	176	182
168749	Rock	1.8	0.29	--	--	15	7.9	214	51	1725	<5	<5	<3	50	<10	12	151.6	2	2	24	15	86
168750	Pulp	--	9.40	9.85	259.8	<5	240.2	1907	16289	9140	602	1139	6	953	<10	8	20.8	16	26	11	6	26
168751	Rock	4.7	0.07	--	--	<5	2.3	105	64	94	<5	<5	<3	8	<10	3	4.4	2	2	44	16	111
168752	Rock	2.5	0.33	--	155.7	50	167.5	12121	2840	8943	19	561	<3	19	<10	292	900.8	2	2	16	16	88
168753	Rock	2.5	0.02	--	--	<5	1.4	42	39	51	<5	<5	<3	9	<10	5	3.0	1	2	30	<5	70
168754	Rock	4.0	0.58	--	--	23	24.0	330	162	1605	<5	<5	<3	16	<10	9	124.0	1	<1	14	10	58
168755	Rock	4.4	0.50	--	--	18	18.5	268	106	1943	<5	<5	<3	8	<10	3	180.5	1	1	14	185	89
168756	Rock	1.8	0.59	--	--	19	19.9	282	9	3748	39	<5	<3	17	<10	6	417.3	5	3	12	10	157
168757	Rock	1.9	0.70	--	--	19	20.2	156	9	9320	37	<5	<3	12	<10	6	1073.4	8	4	10	16	120
168758	Rock	3.7	0.51	--	--	23	23.5	320	23	1453	34	<5	<3	11	<10	5	123.4	2	2	20	21	107
168759	Rock	4.5	0.92	--	--	47	48.8	542	13	3186	<5	<5	<3	14	<10	17	302.3	1	2	10	12	102
168760	Rock	4.0	0.61	--	--	30	26.9	762	86	1073	18	<5	<3	24	<10	27	87.3	6	15	23	<5	122
168761	Rock	4.3	0.09	--	--	5	5.6	219	20	292	10	<5	<3	6	<10	<2	19.4	8	13	24	<5	75
168762	Rock	4.3	0.16	--	--	8	6.5	217	434	626	<5	<5	<3	8	<10	<2	41.6	6	17	20	17	76
168763	Rock	3.5	0.06	--	--	<5	1.8	121	11	213	<5	<5	<3	2	<10	<2	17.1	2	4	13	15	82
168764	Pulp	--	0.01	--	--	<5	<0.1	23	<2	41	<5	<5	<3	5	<10	<2	<0.2	9	31	103	7	52
168765	Rock	3.8	0.04	--	--	<5	1.9	170	18	241	<5	<5	<3	3	<10	<2	19.3	8	14	17	9	98
168766	Rock	4.6	0.02	--	--	<5	0.7	112	7	1234	<5	<5	<3	5	<10	<2	97.6	13	27	13	521	78
RE 168625	Repeat	--	50.78	--	1555.3	1168	245.0	2484	13283	12525	25	<5	<3	5	<10	164	1021.8	3	3	6	16	147
RE 168644	Repeat	--	0.50	--	--	12	17.8	138	45	560	<5	<5	<3	2	<10	<2	36.8	1	2	15	<5	79
RE 168664	Repeat	--	0.05	--	--	5	23.4	256	679	695	<5	<5	<3	10	<10	49	58.1	4	3	36	8	72
RE 168683	Repeat	--	0.01	--	--	<5	<0.1	22	<2	40	<5	<5	<3	5	<10	<2	<0.2	9	29	99	6	49
RE 168703	Repeat	--	9.83	--	260.8	<5	280.4	1803	15982	8621	566	1044	6	997	<10	8	21.0	15	24	12	<5	24
RE 168722	Repeat	--	0.89	--	--	38	41.1	194	305	1713	<5	<5	<3	30	<10	31	139.4	1	2	9	29	131
RE 168742	Repeat	--	0.03	--	--	7	8.8	113	31	1399	<5	<5	<3	41	<10	10	123.1	15	27	7	1816	69
RE 168761	Repeat	--	0.10	--	--	5	4.8	219	20	281	10	<5	<3	6	<10	<2	18.5	7	13	23	<5	73
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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ISO 9001:2000 Certified

Certificate#: 09K3408
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 142
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 25, 2009
Date Out: Dec 07, 2009

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168625	Rock	3.2	3	78	12	3	<1	<1	<0.01	0.11	0.02	4.03	0.01	0.01	<0.01	<0.01
168626	Rock	3.5	3	128	14	6	2	<1	<0.01	0.25	0.32	0.46	0.04	0.18	0.02	<0.01
168627	Rock	3.6	2	121	13	6	2	<1	<0.01	0.25	0.29	0.42	0.04	0.16	0.02	<0.01
168628	Rock	2.8	3	147	15	10	2	<1	<0.01	0.35	0.38	0.55	0.06	0.16	0.03	<0.01
168629	Pulp	--	48	343	13	32	6	4	0.11	1.21	0.62	2.32	0.58	0.08	0.08	0.05
168630	Rock	3.3	2	207	17	12	1	<1	<0.01	0.33	0.56	0.46	0.06	0.17	0.02	<0.01
168631	Rock	3.5	2	188	15	25	1	<1	<0.01	0.32	0.56	0.45	0.03	0.21	0.01	<0.01
168632	Pulp	--	50	350	12	33	6	4	0.10	1.14	0.67	2.16	0.54	0.09	0.08	0.05
168633	Rock	2.0	69	533	14	18	<1	4	0.15	1.44	0.35	2.54	0.92	0.54	0.07	0.05
168634	Rock	2.1	24	219	14	12	<1	1	0.03	0.74	0.37	2.03	0.35	0.24	0.05	0.01
168635	Rock	4.3	7	218	11	19	<1	<1	0.02	0.50	0.40	0.87	0.18	0.16	0.04	0.01
168636	Rock	2.9	7	216	17	11	<1	<1	<0.01	0.38	0.55	0.92	0.14	0.17	0.03	0.01
168637	Rock	0.6	3	266	18	9	<1	<1	<0.01	0.12	0.66	5.07	0.03	0.07	0.01	<0.01
168638	Rock	4.0	7	154	17	9	<1	<1	<0.01	0.34	0.54	0.94	0.12	0.14	0.04	0.01
168639	Pulp	--	27	3921	26	24	2	2	0.04	0.64	0.44	7.69	0.46	0.11	0.04	0.03
168640	Rock	3.7	6	140	19	8	1	<1	0.01	0.30	0.42	0.76	0.11	0.11	0.04	0.01
168641	Rock	3.0	3	171	19	18	2	<1	<0.01	0.44	0.77	0.43	0.05	0.19	0.02	<0.01
168642	Rock	2.9	2	137	21	9	2	<1	<0.01	0.36	0.35	0.58	0.08	0.14	0.03	<0.01
168643	Rock	1.8	2	122	23	9	2	<1	<0.01	0.43	0.41	0.79	0.04	0.21	0.02	0.01
168644	Rock	2.6	2	182	25	10	2	<1	<0.01	0.36	0.44	0.61	0.09	0.17	0.02	0.01
168645	Rock	2.9	19	141	14	2	<1	<1	<0.01	0.26	0.10	4.39	0.02	0.05	0.01	<0.01
168646	Rock	1.6	22	138	15	2	<1	<1	<0.01	0.19	0.09	5.01	0.01	0.03	0.01	<0.01
168647	Rock	2.3	6	80	8	2	<1	<1	<0.01	0.11	0.05	2.93	<0.01	0.01	0.01	<0.01
168648	Rock	3.3	1	142	18	8	2	<1	<0.01	0.24	0.50	0.40	0.02	0.18	0.01	<0.01
168649	Rock	3.7	4	155	20	6	2	<1	<0.01	0.25	0.42	0.55	0.05	0.15	0.03	<0.01
168650	Rock	3.9	2	96	15	8	1	<1	<0.01	0.23	0.27	0.59	0.05	0.14	0.04	<0.01
168651	Rock	4.2	2	110	12	10	1	<1	<0.01	0.21	0.60	1.31	0.02	0.18	0.03	<0.01
168652	Rock	2.8	1	97	14	11	1	<1	<0.01	0.34	0.69	0.55	0.02	0.16	0.02	<0.01
168653	Pulp	--	52	357	13	34	6	4	0.12	1.30	0.69	2.44	0.61	0.09	0.08	0.05
168654	Rock	3.9	2	132	13	11	1	<1	<0.01	0.22	0.54	0.59	0.03	0.16	0.03	<0.01
168655	Rock	4.0	<1	94	12	9	1	<1	<0.01	0.19	0.42	0.60	0.01	0.17	0.01	<0.01
168656	Rock	3.0	2	62	11	7	<1	<1	<0.01	0.23	0.29	0.56	0.01	0.18	0.01	<0.01
168657	Rock	3.4	5	79	12	3	<1	<1	0.01	0.32	0.16	1.14	0.07	0.19	0.01	0.01
168658	Rock	2.5	10	98	8	2	<1	<1	<0.01	0.23	0.16	1.86	0.04	0.08	0.01	<0.01
168659	Rock	4.4	2	191	14	9	1	<1	<0.01	0.24	0.49	0.55	0.06	0.15	0.02	<0.01
168660	Pulp	--	23	143	14	27	5	<1	0.02	0.43	0.27	4.70	0.16	0.20	0.02	0.02
168661	Rock	3.9	5	240	17	12	2	<1	<0.01	0.29	0.55	0.76	0.10	0.14	0.04	0.01
168662	Pulp	--	51	353	12	34	6	4	0.12	1.29	0.69	2.40	0.60	0.09	0.08	0.05
168663	Rock	5.4	9	276	14	25	<1	<1	0.01	0.43	0.83	1.30	0.27	0.16	0.03	0.02
168664	Rock	6.1	12	328	13	20	<1	1	0.01	0.57	0.76	1.47	0.30	0.24	0.04	0.03
168665	Rock	5.4	3	46	4	<1	<1	<1	<0.01	0.05	0.07	1.21	0.01	0.02	0.01	<0.01
168666	Rock	4.4	2	70	13	<1	<1	<1	<0.01	0.06	0.05	4.24	0.01	0.01	0.01	<0.01
168667	Rock	4.4	<1	62	7	2	<1	<1	<0.01	0.02	0.21	2.17	<0.01	0.02	0.01	<0.01
168668	Rock	3.3	5	49	8	<1	<1	<1	<0.01	0.06	0.05	2.40	0.01	0.02	<0.01	<0.01
168669	Pulp	--	30	3670	28	26	3	2	0.05	0.70	0.47	7.26	0.44	0.12	0.05	0.03
168670	Rock	6.2	1	36	12	3	1	<1	<0.01	0.20	0.10	0.58	0.01	0.15	0.01	<0.01
168671	Rock	6.3	2	31	15	6	2	<1	<0.01	0.27	0.14	0.21	0.01	0.20	0.01	<0.01
168672	Rock	6.7	2	27	15	4	3	<1	<0.01	0.23	0.11	0.19	0.02	0.18	0.01	<0.01
168673	Rock	4.1	2	28	2	<1	<1	<1	<0.01	0.04	0.04	0.41	0.01	0.03	0.01	<0.01
168674	Rock	3.2	<1	34	6	2	<1	<1	<0.01	0.04	0.11	1.62	0.01	0.03	0.01	<0.01
168675	Rock	3.8	3	25	11	4	3	<1	<0.01	0.29	0.11	0.33	0.01	0.21	0.01	<0.01
168676	Rock	2.3	1	20	13	4	3	<1	<0.01	0.23	0.11	0.14	0.01	0.17	0.01	<0.01

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168677	Rock	2.8	2	18	12	4	3	<1	<0.01	0.27	0.11	0.15	0.01	0.19	0.01	<0.01
168678	Rock	1.8	1	28	10	12	3	<1	<0.01	0.19	0.27	0.17	0.01	0.16	0.02	<0.01
168679	Rock	2.8	2	49	12	4	<1	<1	<0.01	0.12	0.14	3.56	0.02	0.09	0.01	<0.01
168680	Rock	3.6	2	35	19	11	3	<1	<0.01	0.22	0.28	0.17	0.01	0.17	0.02	<0.01
168681	Rock	4.0	3	25	22	3	4	<1	<0.01	0.31	0.07	0.25	0.01	0.22	0.01	<0.01
168682	Rock	2.5	<1	73	20	2	<1	<1	<0.01	0.06	0.14	6.63	0.01	0.04	0.01	<0.01
168683	Pulp	--	52	358	13	36	7	4	0.13	1.30	0.71	2.40	0.60	0.09	0.08	0.05
168684	Rock	2.0	3	34	11	2	2	<1	<0.01	0.19	0.08	1.89	0.02	0.15	0.01	<0.01
168685	Rock	6.5	1	24	20	3	4	<1	<0.01	0.22	0.14	0.18	<0.01	0.18	0.01	<0.01
168686	Rock	5.3	8	30	23	4	4	<1	<0.01	0.25	0.18	0.22	0.01	0.20	0.01	<0.01
168687	Rock	5.9	<1	33	25	6	4	<1	<0.01	0.21	0.21	0.24	<0.01	0.16	0.01	<0.01
168688	Rock	6.2	2	33	19	7	5	<1	<0.01	0.24	0.26	0.16	<0.01	0.18	0.01	<0.01
168689	Rock	6.2	<1	36	17	6	3	<1	<0.01	0.23	0.23	0.23	0.01	0.17	0.01	<0.01
168690	Pulp	--	32	152	15	29	6	<1	0.02	0.48	0.29	4.96	0.17	0.23	0.02	0.02
168691	Rock	6.1	3	22	11	4	4	<1	<0.01	0.31	0.15	0.49	0.01	0.24	0.01	0.01
168692	Rock	3.7	2	41	6	4	<1	<1	<0.01	0.18	0.16	1.22	0.03	0.12	0.01	<0.01
168693	Rock	4.7	3	45	6	6	<1	<1	<0.01	0.29	0.23	1.31	0.03	0.18	0.01	<0.01
168694	Rock	3.1	7	71	11	12	2	<1	<0.01	0.36	0.57	1.38	0.07	0.19	0.03	0.01
168695	Rock	4.9	7	52	6	10	3	<1	0.03	0.40	0.32	1.28	0.04	0.18	0.04	0.01
168696	Pulp	--	51	357	13	34	7	4	0.13	1.36	0.72	2.49	0.63	0.09	0.08	0.05
168697	Rock	6.1	45	485	21	27	1	5	0.09	1.36	0.99	1.93	0.57	0.51	0.11	0.04
168698	Rock	6.4	45	511	14	17	<1	4	0.11	1.19	0.93	2.47	0.61	0.58	0.07	0.05
168699	Rock	5.2	45	277	21	13	<1	4	0.07	1.10	0.63	2.49	0.50	0.55	0.08	0.04
168700	Rock	3.7	13	84	11	<1	<1	<1	<0.01	0.10	0.04	3.79	0.01	0.02	0.01	<0.01
168701	Rock	1.2	2	81	9	7	<1	<1	<0.01	0.20	0.29	0.95	0.07	0.11	0.01	0.01
168702	Rock	4.0	5	80	6	2	<1	<1	<0.01	0.13	0.20	1.82	0.03	0.07	0.01	<0.01
168703	Pulp	--	27	4045	26	25	3	2	0.05	0.66	0.46	7.83	0.48	0.12	0.04	0.03
168704	Rock	5.1	<1	32	4	<1	<1	<1	<0.01	0.03	0.02	1.20	<0.01	0.02	0.01	<0.01
168705	Rock	5.2	<1	39	4	3	<1	<1	<0.01	0.05	0.15	0.88	<0.01	0.04	0.01	<0.01
168706	Rock	6.4	2	112	14	12	1	<1	<0.01	0.29	0.32	0.74	0.03	0.21	0.03	<0.01
168707	Rock	5.8	3	97	25	10	3	<1	0.01	0.27	0.24	0.40	0.06	0.17	0.03	<0.01
168708	Rock	5.7	2	47	17	9	2	<1	<0.01	0.23	0.26	0.25	0.01	0.19	0.03	<0.01
168709	Pulp	--	52	360	13	33	6	4	0.11	1.23	0.72	2.32	0.59	0.09	0.08	0.05
168710	Rock	4.3	4	208	18	18	<1	<1	<0.01	0.21	1.08	2.50	0.06	0.13	0.05	0.02
168711	Rock	3.8	3	137	9	22	<1	<1	<0.01	0.25	0.68	0.74	0.11	0.17	0.02	0.02
168712	Rock	4.1	12	258	15	19	<1	<1	0.01	0.45	0.81	1.33	0.23	0.19	0.04	0.02
168713	Rock	5.1	17	220	15	16	<1	1	0.02	0.62	0.73	1.55	0.29	0.26	0.06	0.02
168714	Rock	4.9	3	62	6	3	<1	<1	<0.01	0.15	0.14	1.84	0.03	0.04	0.01	<0.01
168715	Rock	2.7	2	31	4	<1	<1	<1	<0.01	0.05	0.06	0.86	<0.01	0.03	0.01	<0.01
168716	Pulp	--	30	3677	27	27	3	2	0.05	0.70	0.48	7.23	0.44	0.12	0.05	0.03
168717	Rock	6.0	2	45	20	3	<1	<1	<0.01	0.25	0.12	0.37	0.01	0.22	0.01	<0.01
168718	Rock	5.8	2	48	24	4	1	<1	<0.01	0.29	0.19	0.28	0.01	0.23	0.01	<0.01
168719	Rock	6.3	<1	60	16	5	2	<1	<0.01	0.22	0.20	0.23	0.01	0.17	0.01	<0.01
168720	Rock	3.7	2	43	19	6	3	<1	<0.01	0.26	0.24	0.21	0.01	0.21	0.01	<0.01
168721	Rock	2.6	1	50	20	10	4	<1	<0.01	0.18	0.34	0.34	0.01	0.17	0.02	<0.01
168722	Rock	3.3	2	31	8	3	1	<1	<0.01	0.14	0.08	0.41	0.02	0.11	0.01	<0.01
168723	Rock	1.1	1	34	10	4	2	<1	<0.01	0.16	0.13	0.61	0.01	0.13	0.01	<0.01
168724	Rock	4.2	3	28	17	4	5	<1	<0.01	0.32	0.11	0.18	0.01	0.24	0.01	<0.01
168725	Rock	3.4	1	30	7	4	2	<1	<0.01	0.14	0.13	0.67	0.01	0.14	0.02	<0.01
168726	Rock	3.5	1	53	9	1	<1	<1	<0.01	0.03	0.10	3.24	0.01	0.03	0.01	<0.01
168727	Rock	4.2	<1	28	5	1	<1	<1	<0.01	0.01	0.07	1.76	<0.01	0.01	0.01	<0.01
168728	Rock	3.0	1	73	11	3	<1	<1	<0.01	0.11	0.14	2.67	0.02	0.10	0.02	<0.01
168729	Rock	2.4	<1	32	9	3	2	<1	<0.01	0.16	0.13	0.23	0.01	0.14	0.01	<0.01
168730	Pulp	--	50	349	12	33	6	4	0.12	1.30	0.67	2.45	0.62	0.09	0.08	0.05
168731	Rock	1.9	2	40	7	<1	<1	<1	<0.01	0.07	0.05	2.54	0.01	0.03	0.01	<0.01
168732	Rock	2.0	1	32	17	6	4	<1	<0.01	0.23	0.20	0.25	0.01	0.19	0.01	<0.01
168733	Rock	3.7	2	37	5	1	<1	<1	<0.01	0.12	0.05	0.95	0.01	0.05	0.01	<0.01
168734	Rock	2.8	<1	22	<2	<1	<1	<1	<0.01	0.03	0.01	0.37	<0.01	0.01	0.01	<0.01
168735	Rock	3.2	6	102	23	4	<1	<1	<0.01	0.20	0.27	8.32	0.05	0.08	0.01	<0.01
168736	Rock	5.0	4	91	12	10	2	<1	<0.01	0.37	0.52	1.87	0.05	0.23	0.02	0.01
168737	Pulp	--	26	146	14	27	5	<1	0.02	0.44	0.28	4.81	0.16	0.21	0.02	0.02
168738	Rock	3.4	3	135	10	24	2	<1	<0.01	0.38	1.43	2.03	0.06	0.22	0.02	0.01
168739	Rock	5.1	5	194	9	13	<1	<1	0.01	0.19	1.07	2.26	0.04	0.11	0.02	0.01
168740	Rock	7.1	14	92	8	13	3	1	0.03	0.61	0.54	1.92	0.11	0.18	0.07	0.01
168741	Rock	6.1	12	117	9	20	2	1	0.04	0.84	0.50	2.36	0.18	0.16	0.07	0.01
168742	Rock	6.5	31	316	7	53	2	4	0.11	1.65	1.68	1.77	0.38	0.12	0.10	0.08
168743	Pulp	--	53	363	13	36	7	4	0.12	1.22	0.75	2.23	0.56	0.09	0.08	0.05
168744	Rock	3.6	10	145	14	9	1	<1	0.02	0.44	0.34	0.96	0.16	0.14	0.04	0.01
168745	Rock	2.5	4	138	20	11	<1	<1	<0.01	0.36	0.53	0.77	0.11	0.16	0.03	0.01
168746	Rock	2.4	3	125	19	7	<1	<1	<0.01	0.33	0.38	0.78	0.05	0.19	0.01	<0.01
168747	Rock	2.6	2	59	5	<1	<1	<1	<0.01	0.13	0.04	2.02	0.01	0.01	<0.01	<0.01

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168748	Rock	2.1	4	66	17	<1	<1	<1	<0.01	0.23	0.07	5.87	0.01	0.05	0.01	<0.01
168749	Rock	1.8	2	189	13	21	<1	<1	<0.01	0.43	0.66	0.96	0.07	0.20	0.02	0.01
168750	Pulp	--	34	4115	27	30	3	2	0.05	0.73	0.49	8.14	0.50	0.13	0.05	0.03
168751	Rock	4.7	6	139	13	44	1	<1	0.01	0.43	0.46	0.82	0.10	0.17	0.04	0.01
168752	Rock	2.5	1	99	12	11	<1	<1	<0.01	0.17	0.44	2.25	0.01	0.15	0.01	<0.01
168753	Rock	2.5	2	107	13	11	1	<1	<0.01	0.19	0.62	0.76	0.04	0.17	0.04	<0.01
168754	Rock	4.0	1	133	13	12	1	<1	<0.01	0.17	0.47	0.55	0.02	0.14	0.01	<0.01
168755	Rock	4.4	3	50	16	3	1	<1	<0.01	0.23	0.17	0.43	0.03	0.17	0.01	<0.01
168756	Rock	1.8	11	59	6	3	<1	<1	<0.01	0.22	0.15	1.05	0.04	0.12	0.02	<0.01
168757	Rock	1.9	11	70	6	4	<1	<1	<0.01	0.20	0.15	1.24	0.04	0.09	0.01	<0.01
168758	Rock	3.7	4	80	10	9	2	<1	<0.01	0.31	0.22	0.58	0.04	0.19	0.02	<0.01
168759	Rock	4.5	5	62	7	20	1	<1	<0.01	0.22	0.23	0.65	0.06	0.11	0.02	<0.01
168760	Rock	4.0	11	88	9	20	3	<1	0.01	0.38	0.36	1.18	0.07	0.19	0.02	0.01
168761	Rock	4.3	14	143	16	7	4	1	0.02	0.49	0.47	1.30	0.11	0.25	0.03	0.01
168762	Rock	4.3	9	83	9	6	3	<1	0.01	0.46	0.30	1.67	0.07	0.21	0.02	0.01
168763	Rock	3.5	4	60	4	5	<1	<1	0.01	0.19	0.39	0.45	0.03	0.12	0.02	<0.01
168764	Pulp	--	53	368	13	36	7	4	0.13	1.39	0.71	2.53	0.64	0.09	0.08	0.05
168765	Rock	3.8	24	225	8	21	1	2	0.06	0.60	0.48	<0.01	<0.01	0.16	0.05	0.05
168766	Rock	4.6	29	319	9	26	1	3	0.09	0.88	0.90	2.43	0.35	0.17	0.06	0.04
RE 168625	Repeat	--	3	77	12	3	<1	<1	<0.01	0.11	0.02	4.05	0.01	0.02	<0.01	<0.01
RE 168644	Repeat	--	2	178	25	10	2	<1	<0.01	0.36	0.44	0.61	0.09	0.17	0.02	0.01
RE 168664	Repeat	--	12	322	13	19	<1	<1	0.01	0.57	0.75	1.46	0.30	0.25	0.04	0.03
RE 168683	Repeat	--	52	354	13	34	6	4	0.13	1.29	0.70	2.38	0.60	0.09	0.08	0.05
RE 168703	Repeat	--	27	3950	25	24	3	2	0.04	0.66	0.45	7.80	0.47	0.12	0.04	0.03
RE 168722	Repeat	--	2	33	8	3	1	<1	<0.01	0.14	0.08	0.41	0.02	0.12	0.01	<0.01
RE 168742	Repeat	--	31	311	7	50	2	4	0.12	1.66	1.71	1.80	0.39	0.12	0.10	0.08
RE 168761	Repeat	--	14	146	16	7	4	1	0.02	0.49	0.47	1.30	0.11	0.25	0.03	0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corre*

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ISO 9001:2000 Certified

Certificate#: 09K3457
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 144
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 30, 2009
Date Out: Dec 14, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1	
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	
Sample Name	SampleType	Wt	Au	Au	Ag	Te	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	
		Kg	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
168767	Rock	4.8	0.08	--	--	<5	2.5	218	19	209	655	12	<3	26	<1	<1	11.3	6	14	17	<5	46	
168768	Rock	2.3	0.02	--	--	<5	0.3	95	19	35	178	4	<3	9	<1	2	<0.2	3	8	14	<5	72	
168769	Rock	3.3	0.94	--	--	38	37.1	364	2326	1848	224	9	<3	32	<1	4	144.9	5	9	24	84	69	
168770	Rock	4.2	0.01	--	--	<5	<0.1	20	11	157	<2	<1	<3	4	<1	<1	8.1	5	12	3	71	74	
168771	Pulp	--	0.01	--	--	<5	<0.1	24	<1	40	<2	<1	<3	5	<1	<1	<0.2	9	31	100	8	50	
168772	Rock	4.5	0.07	--	--	<5	2.5	338	33	201	<2	<1	<3	5	<1	2	2.4	8	7	77	20	28	
168773	Rock	3.4	6.98	6.78	390.2	229	187.1	1196	6203	9100	<2	1	<3	24	<1	171	732.6	3	4	7	<5	158	
168774	Rock	3.2	2.11	2.11	93.8	110	94.1	408	1114	842	<2	2	<3	44	<1	36	63.4	2	3	13	14	165	
168775	Rock	4.1	0.03	--	--	<5	1.7	84	72	171	<2	<1	<3	71	<1	4	12.3	1	2	25	<5	75	
168776	Rock	2.9	0.10	--	--	6	4.5	228	51	671	<2	<1	<3	95	<1	13	59.2	1	2	24	<5	82	
168777	Pulp	--	0.01	--	--	<5	<0.1	23	<1	40	2	<1	<3	5	<1	<1	<0.2	9	31	92	7	49	
168778	Rock	5.1	0.22	--	--	<5	6.1	215	49	513	34	<1	<3	6	<1	4	37.6	8	5	20	13	44	
168779	Rock	0.8	0.62	--	92.6	<5	90.3	4751	749	10259	5	<1	<3	4	<1	96	862.3	10	7	15	<5	129	
168780	Rock	3.3	5.29	5.32	198.3	160	219.7	2715	3454	4781	9	1	<3	10	<1	26	400.7	1	3	4	7	147	
168781	Rock	3.0	17.94	18.00	831.0	648	196.9	1863	14400	7982	<2	4	<3	3	<1	42	617.3	1	3	<2	<5	180	
168782	Rock	1.1	2.37	2.29	121.3	89	11.0	1116	1637	4363	3	2	<3	24	<1	45	332.3	2	3	<2	11	186	
168783	Rock	3.2	0.25	--	--	9	15.7	235	250	644	3	2	<3	5	<1	12	53.7	1	4	<2	<5	241	
168784	Pulp	--	9.57	9.72	267.5	<5	212.8	1939	17021	8737	598	1129	8	1073	<1	10	27.4	16	26	13	10	27	
168785	Rock	4.0	0.69	--	--	21	29.5	701	216	723	9	4	<3	37	<1	15	56.1	2	3	3	74	171	
168786	Rock	3.1	0.03	--	--	<5	4.6	401	64	310	<2	2	<3	25	<1	6	25.1	2	3	4	5	164	
168787	Rock	1.5	0.13	--	--	<5	6.4	200	65	168	<2	<1	<3	10	<1	4	13.1	4	3	27	<5	54	
168788	Rock	1.6	0.17	--	--	<5	9.0	196	151	189	<2	<1	<3	15	<1	2	12.3	3	3	26	24	99	
168789	Rock	1.1	0.21	--	--	8	16.0	407	855	1080	<2	<1	<3	12	<1	5	79.4	3	3	21	<5	49	
168790	Rock	2.2	0.58	--	--	21	26.1	373	393	785	<2	<1	<3	11	<1	4	52.9	2	3	27	11	75	
168791	Pulp	--	0.01	--	--	<5	<0.1	22	<1	39	<2	<1	<3	5	<1	<1	<0.2	9	30	94	7	49	
168792	Rock	2.3	0.04	--	--	<5	1.5	321	19	282	<2	<1	<3	10	<1	<1	12.1	5	4	37	<5	49	
168793	Rock	3.0	7.19	7.20	394.9	289	215.3	10232	2183	8565	16	<1	<3	16	<1	120	699.6	2	4	6	35	156	
168794	Rock	1.4	7.66	7.76	251.3	246	261.9	7714	785	21819	10	<1	<3	4	<1	78	1884.8	3	3	5	<5	140	
168795	Rock	2.7	0.28	--	--	<5	14.2	2071	66	11326	<2	2	<3	5	<1	18	1090.6	3	4	4	<5	222	
168796	Rock	2.3	1.40	1.33	50.2	45	55.6	386	297	3673	<2	2	<3	5	<1	25	337.3	1	3	<2	<5	164	
168797	Rock	2.8	0.27	--	--	11	14.5	857	53	2184	<2	2	<3	8	<1	18	191.8	2	4	3	<5	211	
168798	Pulp	--	9.44	9.55	262.5	<5	252.1	1813	17973	8729	558	1123	7	1052	<1	8	24.8	14	25	13	<5	24	
168799	Rock	3.8	0.20	--	--	9	8.2	601	68	538	<2	3	<3	26	<1	14	46.8	2	3	13	<5	128	
168800	Rock	2.0	0.02	--	--	<5	1.0	84	43	154	<2	1	<3	15	<1	2	13.4	1	2	16	240	130	
168801	Pulp	--	0.01	--	--	<5	<0.1	24	<1	40	2	<1	<3	5	<1	<1	<0.2	9	31	101	8	52	
168802	Rock	3.3	0.02	--	--	<5	1.5	515	22	4355	<2	<1	<3	2	<1	<1	345.1	9	7	42	<5	60	
168803	Rock	4.0	0.03	--	--	<5	0.7	112	13	173	<2	<1	<3	4	<1	<1	<0.2	9	7	41	<5	59	
168804	Rock	3.8	2.89	2.78	173.8	103	209.9	3060	2186	11108	<2	<1	<3	8	<1	157	952.1	5	4	12	<5	100	
168805	Rock	2.7	10.13	10.38	635.6	395	212.5	3052	247	5712	5	3	<3	6	<1	65	486.2	1	3	3	<5	161	
168806	Rock	2.6	4.03	4.20	219.5	136	236.0	976	2647	4309	<2	<1	<3	16	<1	44	384.6	<1	2	3	7	121	
168807	Rock	2.6	3.78	3.67	178.5	116	173.4	362	2899	1934	<2	2	<3	7	<1	58	162.5	<1	3	<2	<5	184	
168808	Pulp	--	9.52	9.75	265.4	<5	261.9	1818	18373	8734	565	1128	7	1038	<1	9	24.6	15	25	13	<5	25	
168809	Rock	2.1	0.16	--	--	8	13.8	197	524	151	<2	3	<3	25	<1	23	11.6	1	3	7	<5	177	
168810	Rock	1.8	0.14	--	--	<5	8.4	370	54	170	<2	2	<3	29	<1	7	11.5	1	4	7	<5	234	
168811	Rock	3.3	0.04	--	--	<5	3.0	138	76	525	<2	<1	<3	4	<1	1	28.8	3	3	27	<5	67	
168812	Rock	3.7	0.45	--	--	13	19.1	367	468	1111	<2	1	<3	4	<1	5	69.0	2	3	33	<5	105	
168813	Rock	3.9	0.04	--	--	<5	2.5	107	103	349	<2	<1	<3	1	<1	<1	20.3	3	3	29	<5	71	
168814	Rock	3.0	1.25	1.34	79.0	54	75.8	576	285	2110	<2	<1	<3	7	<1	7	141.1	3	3	27	<5	104	
168815	Rock	1.6	3.28	3.24	164.6	125	166.0	1637	402	4355	<2	1	<3	6	<1	14	300.5	2	3	21	9	75	
168816	Rock	3.3	0.38	--	--	13	20.1	454	305	938	<2	<1	<3	16	<1	5	72.9	2	3	21	<5	84	
168817	Pulp	--	0.01	--	--	<5	<0.1	23	<1	40	<2	<1	<3	5	<1	<1	<0.2	9	29	96	6	49	
168818	Rock	4.9	0.24	--	--	<5	9.9	312	64	259	<2	<1	<3	13	<1	2	14.5	7	7	27	72	53	

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
168819	Rock	2.9	0.15	--	--	<5	9.3	524	349	1271	<2	<1	<3	6	<1	6	84.1	6	7	42	49	66
168820	Rock	1.1	0.25	--	--	15	17.1	639	28	5679	<2	1	<3	1	<1	24	530.3	1	3	4	<5	138
168821	Rock	1.3	0.69	--	--	6	38.2	6311	196	19176	<2	<1	<3	1	<1	43	1885.1	4	4	12	<5	152
168822	Rock	1.2	0.22	--	--	8	10.1	618	38	2335	<2	1	<3	2	<1	6	230.4	1	3	<2	<5	190
168823	Rock	1.7	0.05	--	--	<5	2.4	237	8	1581	<2	2	<3	14	<1	4	156.6	1	4	4	<5	217
168824	Pulp	--	9.97	9.71	265.1	<5	215.7	1823	17715	9026	581	1151	8	1061	<1	10	24.9	15	26	14	<5	25
168825	Rock	3.1	0.02	--	--	<5	0.7	141	20	309	<2	1	<3	37	<1	2	26.2	<1	2	13	<5	116
168826	Rock	2.4	0.02	--	--	<5	0.7	84	35	162	<2	2	<3	7	<1	2	12.1	1	2	19	<5	105
168827	Rock	3.9	0.05	--	--	<5	1.7	95	18	1737	<2	<1	<3	3	<1	2	172.9	2	2	15	<5	77
168828	Rock	4.2	0.03	--	--	<5	1.0	84	25	343	<2	1	<3	4	<1	2	30.2	1	2	19	<5	94
168829	Pulp	--	0.01	--	--	<5	<0.1	23	<1	39	2	<1	<3	4	<1	<1	<0.2	9	30	100	7	50
168830	Rock	0.7	8.95	8.80	258.2	276	254.4	2015	266	1558	<2	1	<3	9	<1	132	152.3	9	5	13	<5	145
168831	Rock	1.0	0.59	--	--	11	22.0	714	52	2321	<2	<1	<3	17	<1	10	152.0	7	6	32	50	62
168832	Rock	3.2	0.07	--	--	<5	1.7	156	19	121	<2	2	<3	6	<1	3	10.9	<1	2	3	<5	124
168833	Rock	2.5	0.03	--	--	<5	1.3	276	32	620	<2	<1	<3	13	<1	2	56.6	4	4	25	134	41
168834	Rock	4.0	0.15	--	--	<5	8.5	322	25	545	<2	<1	<3	11	<1	5	45.4	4	3	23	<5	54
168835	Rock	3.2	0.12	--	--	<5	5.8	513	21	1534	<2	<1	<3	5	<1	2	140.4	3	3	22	<5	72
168836	Pulp	--	0.01	--	--	<5	<0.1	23	<1	40	<2	<1	<3	5	<1	<1	<0.2	8	30	96	7	49
168837	Rock	1.8	0.07	--	--	<5	2.2	278	35	146	<2	<1	<3	2	<1	<1	3.2	6	5	28	<5	73
168838	Rock	2.8	0.21	--	--	12	23.9	1346	29	168	2	3	<3	4	<1	13	14.5	4	4	6	<5	200
168839	Rock	2.2	0.66	--	--	<5	7.7	367	49	138	<2	<1	<3	16	<1	4	6.6	3	4	26	13	75
168840	Rock	2.8	0.15	--	--	<5	6.3	274	17	110	<2	<1	<3	15	<1	<1	1.5	5	5	23	6	107
168841	Rock	0.7	0.05	--	--	<5	8.2	32	85	297	<2	<1	<3	14	<1	26	24.2	2	4	10	<5	159
168842	Rock	1.5	0.01	--	--	<5	0.4	60	46	117	<2	<1	<3	69	<1	<1	7.3	2	4	14	7	145
168843	Pulp	--	9.79	10.02	267.2	<5	237.4	1819	17691	8825	584	1150	8	1045	<1	9	22.2	15	25	14	<5	25
168844	Rock	4.3	0.02	--	--	<5	0.5	112	43	184	<2	2	<3	7	<1	<1	7.5	6	5	21	5	61
168845	Rock	1.5	0.19	--	--	<5	20.7	2604	4	2903	<2	1	<3	3	<1	3	313.7	5	5	9	6	158
168846	Rock	2.6	1.36	1.31	--	46	49.1	1905	40	13374	9	2	<3	4	<1	26	1458.8	7	4	14	12	92
168847	Rock	4.4	0.06	--	--	<5	1.3	131	15	152	3	<1	<3	3	<1	2	7.5	5	5	20	<5	69
168848	Rock	3.6	0.02	--	--	<5	0.6	108	7	177	4	<1	<3	2	<1	<1	9.0	5	5	22	6	72
168849	Rock	3.4	0.01	--	--	<5	<0.1	55	12	90	49	2	<3	1	<1	1	<0.2	5	5	19	<5	70
168850	Rock	1.8	0.02	--	--	<5	<0.1	56	11	81	34	<1	<3	1	<1	<1	<0.2	4	5	16	<5	57
167751	Rock	4.0	<0.01	--	--	<5	0.2	80	23	94	3	<1	<3	3	<1	2	<0.2	5	5	16	<5	57
167752	Rock	3.0	0.05	--	--	<5	2.6	407	21	12876	4	2	<3	4	<1	5	1362.4	6	3	8	10	119
167753	Rock	3.1	0.26	--	--	19	21.8	283	446	11259	14	2	<3	5	<1	81	1215.9	9	4	2	21	183
167754	Rock	3.5	0.38	--	--	<5	4.2	135	9	2728	5	3	<3	11	<1	4	291.8	2	3	<2	<5	167
167755	Rock	4.0	<0.01	--	--	<5	<0.1	91	13	154	<2	<1	<3	5	<1	2	12.6	1	2	18	<5	95
167756	Rock	4.5	<0.01	--	--	<5	<0.1	59	8	199	<2	<1	<3	2	<1	<1	16.0	1	2	14	9	72
167757	Pulp	--	0.01	--	--	<5	<0.1	23	<1	39	<2	<1	<3	5	<1	<1	<0.2	8	30	95	7	51
167758	Rock	3.9	0.01	--	--	<5	2.4	448	22	966	4	<1	<3	1	<1	3	102.4	2	2	13	<5	94
167759	Pulp	--	0.01	--	--	<5	<0.1	24	<1	40	<2	<1	<3	5	<1	<1	<0.2	8	30	96	7	49
167760	Rock	0.9	0.03	--	--	<5	1.3	161	84	172	<2	<1	<3	38	<1	3	8.9	6	6	17	44	76
167761	Rock	0.9	0.04	--	--	11	10.8	418	499	116	3	2	<3	16	<1	47	9.7	2	5	6	7	206
167762	Rock	1.4	0.06	--	--	<5	3.4	265	46	122	<2	<1	<3	10	<1	1	3.0	5	5	24	9	67
167763	Rock	1.8	0.23	--	--	16	14.4	267	149	94	<2	2	<3	27	<1	21	7.5	3	5	10	39	169
167764	Rock	1.5	0.04	--	--	<5	2.3	219	55	270	<2	<1	<3	6	<1	<1	14.2	6	6	26	12	61
167765	Rock	2.9	0.09	--	--	<5	8.3	291	185	292	<2	<1	<3	11	<1	10	21.3	6	5	23	14	67
167766	Pulp	--	10.09	9.57	262.6	<5	271.4	1728	19353	8400	539	1078	7	772	<1	8	24.8	14	24	18	<5	23
167767	Rock	2.8	0.03	--	--	<5	1.6	330	78	295	6	1	<3	7	<1	<1	12.6	5	5	23	<5	47
167768	Rock	2.7	0.03	--	--	<5	2.1	82	42	96	<2	<1	<3	8	<1	2	<0.2	6	6	38	<5	65
167769	Rock	2.3	0.09	--	--	<5	4.9	145	49	269	<2	<1	<3	10	<1	2	14.1	6	5	23	17	44
167770	Rock	2.4	0.15	--	--	5	5.3	275	10	1416	<2	1	<3	9	<1	7	152.3	2	3	3	6	143
167771	Rock	2.8	0.08	--	--	<5	2.5	281	22	322	<2	<1	<3	119	<1	2	20.3	2	2	18	<5	80
167772	Rock	2.4	0.02	--	--	<5	1.0	124	32	126	4	<1	<3	3	<1	1	5.8	2	3	22	<5	78
167773	Pulp	--	0.01	--	--	<5	<0.1	22	<1	36	<2	<1	<3	4	<1	<1	<0.2	7	28	88	6	47
167774	Rock	2.6	0.05	--	--	<5	3.4	257	75	155	3	<1	<3	18	<1	<1	3.9	6	6	23	39	70
167775	Rock	4.1	0.11	--	--	<5	5.8	354	115	374	<2	<1	<3	13	<1	<1	22.1	5	5	24	<5	88
167776	Rock	4.4	0.05	--	--	<5	2.5	207	47	180	<2	<1	<3	6	<1	<1	4.2	5	5	30	27	50
167777	Rock	2.3	0.02	--	--	<5	0.8	98	28	108	<2	<1	<3	2	<1	<1	<0.2	8	6	29	<5	45
167778	Rock	2.2	0.04	--	--	<5	2.1	525	16	470	<2	<1	<3	4	<1	4	37.3	4	4	14	<5	89
167779	Rock	3.1	0.11	--	--	<5	4.1	281	119	786	<2	<1	<3	7	<1	2	52.8	5	5	25	6	66
167780	Pulp	--	10.14	9.87	267.7	<5	276.1	1746	16484	8214	551	1024	7	770	<1	10	24.4	15	25	15	8	24
167781	Rock	2.6	0.12	--	--	<5	4.5	362	79	1167	<2	3	<3	8	<1	10	96.0	4	3	16	<5	74
167782	Rock	1.4	0.04	--	--	<5	3.9	662	34	3078	<2	1	<3	19	<1	11	283.9	4	4	14	<5	100
167783	Rock	1.4	0.04	--	--	<5	2.2	99	14	658	<2	<1	<3	5	<1	5	64.1	1	2	5	207	92
167784	Rock	4.0	<0.01	--	--	<5	<0.1	29	3	72	<2	<1	<3	1	<1	<1	3.1	2	2	18	<5	81
167785	Pulp	--	0.01	--	--	<5	<0.1	22	<1	37	2	<1	<3	4	<1	<1	<0.2	7	27	81	6	44
167786	Rock	2.5	0.02	--	--	<5	0.4	111	20	174	<2	<1	<3	4	<1	<1	2.8	4	4	28	<5	51
167787	Rock	3.6	0.35	--	--	15	14.5	836	81	319	5	<1	<3	13	<1	29	24.8	4	4	16	6	119
167788	Rock	4.3	0.06	--	--	<5	3.6	185	43	553	<2	<1	<3	4	<1	3	33.4	3	2	23	<5	65
167789	Rock	2.8	0.35	--	--	15	16.3	137	103	1111	<2	1	<3	6	<1	20	111.5	1	3	2	28	142

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
167790	Rock	2.3	0.04	--	--	<5	4.7	573	32	16308	<2	<1	<3	2	<1	18	1750.0	11	3	3	6	124
167791	Rock	3.0	0.06	--	--	<5	1.8	197	17	1646	<2	1	<3	4	<1	3	146.8	2	2	12	<5	83
167792	Pulp	--	9.56	9.78	264.6	<5	278.7	1653	20148	8667	555	1115	7	710	<1	8	24.2	15	25	17	<5	23
167793	Rock	2.1	0.58	--	--	23	26.7	430	36	3785	2	3	<3	25	<1	8	300.1	1	2	11	14	70
167794	Rock	3.4	0.02	--	--	<5	2.0	158	30	333	<2	2	<3	2	<1	11	29.0	5	3	17	<5	124
167795	Rock	3.9	0.01	--	--	<5	1.0	53	28	135	<2	1	<3	3	<1	7	11.6	1	2	14	<5	95
167796	Pulp	--	0.01	--	--	<5	<0.1	23	<1	38	<2	<1	<3	5	<1	<1	<0.2	8	30	93	7	49
167797	Rock	3.0	0.01	--	--	<5	<0.1	49	6	91	<2	<1	<3	2	<1	<1	<0.2	8	6	35	<5	67
167798	Rock	1.0	0.10	--	--	<5	4.2	609	25	2818	<2	<1	<3	8	<1	1	244.9	11	6	23	<5	61
167799	Rock	2.9	0.53	--	--	17	30.3	361	79	3119	<2	<1	<3	13	<1	32	330.8	3	4	5	<5	143
167800	Rock	0.9	0.04	--	--	<5	2.9	269	76	477	<2	<1	<3	13	<1	4	38.6	4	4	14	<5	57
167801	Rock	1.7	0.06	--	--	<5	3.8	194	20	768	<2	<1	<3	12	<1	5	63.3	2	3	9	97	113
167802	Rock	1.7	0.14	--	--	<5	7.1	438	42	1903	<2	<1	<3	5	<1	4	160.2	4	4	16	7	52
167803	Pulp	--	9.46	9.94	264.7	<5	277.4	1663	17751	8356	544	1068	7	745	<1	9	23.8	14	24	16	<5	23
167804	Rock	1.8	1.15	1.17	58.4	55	59.5	526	79	3404	<2	2	<3	12	<1	40	298.5	2	3	5	<5	147
167805	Rock	2.8	0.02	--	--	<5	0.4	38	7	60	<2	1	<3	<1	<1	<1	1.6	2	2	14	<5	57
167806	Pulp	--	0.01	--	--	<5	<0.1	23	<1	38	<2	<1	<3	5	<1	<1	<0.2	8	29	91	7	48
167807	Rock	3.8	0.02	--	--	<5	0.2	79	<1	163	<2	<1	<3	3	<1	<1	<0.2	11	8	45	<5	50
167808	Rock	2.0	0.96	--	--	29	30.2	290	28	469	<2	2	<3	9	<1	10	44.0	<1	2	3	<5	119
167809	Rock	1.1	0.18	--	--	17	42.9	87	551	1607	<2	<1	<3	8	<1	64	140.1	<1	2	<2	<5	108
167810	Rock	4.4	0.37	--	--	<5	15.3	504	48	749	<2	<1	<3	5	<1	2	46.9	4	4	28	25	69
RE 168767	Repeat	--	0.09	--	--	<5	2.8	211	18	199	648	12	<3	25	<1	<1	10.7	6	13	17	<5	45
RE 168786	Repeat	--	0.03	--	--	<5	4.4	396	63	286	<2	2	<3	23	<1	6	24.9	2	3	4	<5	160
RE 168806	Repeat	--	4.03	--	263.5	139	252.8	992	2604	4284	<2	<1	<3	15	<1	44	390.3	<1	2	3	7	125
RE 168825	Repeat	--	0.02	--	--	<5	0.7	139	21	300	<2	<1	<3	37	<1	2	26.3	<1	2	13	<5	106
RE 168845	Repeat	--	0.19	--	--	<5	22.5	2573	4	2851	<2	1	<3	3	<1	3	306.2	5	5	9	6	154
RE 167764	Repeat	--	0.04	--	--	<5	2.4	215	53	273	<2	<1	<3	6	<1	<1	14.3	6	6	25	12	63
RE 167784	Repeat	--	<0.01	--	--	<5	<0.1	29	3	70	<2	<1	<3	1	<1	<1	3.0	2	2	17	<5	79
RE 167803	Repeat	--	9.43	--	--	<5	277.7	1676	17675	8404	545	1064	7	752	<1	10	23.8	14	24	15	<5	23
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09K3457
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 144
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Nov 30, 2009
Date Out: Dec 14, 2009

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168767	Rock	4.8	21	207	13	16	2	1	<0.01	0.56	0.55	1.91	0.18	0.19	0.04	0.01
168768	Rock	2.3	7	111	10	8	2	<1	<0.01	0.37	0.36	1.09	0.06	0.18	0.01	<0.01
168769	Rock	3.3	12	119	14	13	3	<1	0.01	0.62	0.35	1.45	0.04	0.29	0.02	<0.01
168770	Rock	4.2	20	447	5	40	3	1	0.07	0.78	1.55	0.74	0.15	0.02	0.03	0.05
168771	Pulp	--	53	366	15	36	7	4	0.12	1.24	0.74	2.30	0.58	0.09	0.08	0.05
168772	Rock	4.5	30	549	20	47	<1	3	0.03	0.99	1.67	2.80	0.51	0.39	0.05	0.06
168773	Rock	3.4	<1	70	10	3	<1	<1	<0.01	0.11	0.34	2.63	0.02	0.06	0.01	<0.01
168774	Rock	3.2	2	44	5	4	<1	<1	<0.01	0.12	0.15	1.05	0.01	0.10	0.01	<0.01
168775	Rock	4.1	2	190	10	22	<1	<1	<0.01	0.27	0.76	0.59	0.08	0.20	0.02	0.01
168776	Rock	2.9	3	217	11	27	<1	<1	<0.01	0.30	0.85	0.79	0.10	0.20	0.03	0.01
168777	Pulp	--	49	348	15	32	6	4	0.11	1.18	0.66	2.24	0.57	0.09	0.07	0.05
168778	Rock	5.1	29	452	18	12	<1	2	0.04	1.14	0.69	2.68	0.50	0.34	0.04	0.04
168779	Rock	0.8	33	171	47	4	<1	<1	0.01	0.39	0.25	9.90	0.11	0.10	0.01	0.01
168780	Rock	3.3	3	41	7	<1	<1	<1	<0.01	0.13	0.01	1.50	0.01	0.03	0.01	<0.01
168781	Rock	3.0	2	38	8	<1	<1	<1	<0.01	0.03	<0.01	2.03	<0.01	0.01	0.01	<0.01
168782	Rock	1.1	<1	34	4	<1	<1	<1	<0.01	0.05	<0.01	1.04	0.01	0.02	0.01	<0.01
168783	Rock	3.2	2	29	3	<1	<1	<1	<0.01	0.02	<0.01	0.62	<0.01	0.01	0.01	<0.01
168784	Pulp	--	32	3697	35	32	4	2	0.06	0.74	0.52	7.25	0.44	0.14	0.05	0.03
168785	Rock	4.0	<1	33	5	<1	<1	<1	<0.01	0.08	<0.01	1.06	0.01	0.02	0.01	<0.01
168786	Rock	3.1	2	32	5	<1	<1	<1	<0.01	0.06	0.02	1.12	0.01	0.04	0.01	<0.01
168787	Rock	1.5	2	118	12	3	<1	<1	<0.01	0.34	0.14	0.84	0.05	0.25	0.01	0.03
168788	Rock	1.6	3	111	9	4	<1	<1	<0.01	0.36	0.32	0.91	0.04	0.26	0.01	0.02
168789	Rock	1.1	2	110	16	5	<1	<1	<0.01	0.30	0.35	0.93	0.04	0.23	0.01	0.03
168790	Rock	2.2	3	86	8	6	<1	<1	<0.01	0.31	0.33	0.88	0.02	0.24	0.01	0.02
168791	Pulp	--	50	349	16	34	7	4	0.12	1.24	0.71	2.27	0.58	0.09	0.08	0.05
168792	Rock	2.3	34	271	17	18	<1	3	0.05	0.75	0.81	2.68	0.43	0.40	0.05	0.03
168793	Rock	3.0	7	56	16	<1	<1	<1	<0.01	0.09	0.02	3.61	0.01	0.03	0.01	<0.01
168794	Rock	1.4	3	57	18	<1	<1	<1	<0.01	0.08	0.02	4.55	0.01	0.02	0.01	<0.01
168795	Rock	2.7	3	39	9	<1	<1	<1	<0.01	0.04	<0.01	2.35	<0.01	0.02	0.01	<0.01
168796	Rock	2.3	3	31	3	<1	<1	<1	<0.01	0.03	<0.01	0.85	<0.01	0.01	0.01	<0.01
168797	Rock	2.8	4	121	4	3	<1	<1	<0.01	0.08	0.24	1.08	0.01	0.04	0.01	<0.01
168798	Pulp	--	27	3693	34	27	3	2	0.05	0.67	0.46	7.17	0.44	0.12	0.04	0.03
168799	Rock	3.8	1	62	9	4	<1	<1	<0.01	0.18	0.18	0.75	0.02	0.14	0.01	0.01
168800	Rock	2.0	3	95	11	9	<1	<1	<0.01	0.25	0.41	0.43	0.02	0.19	0.02	0.01
168801	Pulp	--	53	363	16	35	7	4	0.13	1.27	0.77	2.33	0.59	0.09	0.08	0.05
168802	Rock	3.3	55	430	17	10	<1	5	0.18	1.34	0.40	3.04	0.94	0.69	0.06	0.05
168803	Rock	4.0	65	514	19	12	1	6	0.18	1.44	0.55	2.48	0.86	0.73	0.08	0.05
168804	Rock	3.8	24	264	22	11	<1	<1	<0.01	0.39	0.63	5.42	0.14	0.10	0.02	0.01
168805	Rock	2.7	7	48	10	<1	<1	<1	<0.01	0.09	0.01	2.59	0.01	0.01	0.01	<0.01
168806	Rock	2.6	1	30	5	<1	<1	<1	<0.01	0.05	0.01	1.12	0.01	0.02	0.01	<0.01
168807	Rock	2.6	1	36	3	<1	<1	<1	<0.01	0.01	<0.01	0.81	<0.01	0.01	0.01	<0.01
168808	Pulp	--	27	3718	34	27	3	2	0.05	0.66	0.45	7.27	0.44	0.12	0.04	0.03
168809	Rock	2.1	<1	90	2	<1	<1	<1	<0.01	0.04	0.03	0.46	<0.01	0.04	0.01	<0.01
168810	Rock	1.8	4	49	5	2	<1	<1	<0.01	0.10	0.10	1.09	0.01	0.06	0.01	<0.01
168811	Rock	3.3	7	174	13	6	<1	<1	0.01	0.48	0.37	1.07	0.14	0.22	0.03	0.02
168812	Rock	3.7	5	213	12	8	<1	<1	0.01	0.50	0.52	0.91	0.07	0.27	0.04	0.01
168813	Rock	3.9	7	226	10	8	1	<1	0.03	0.65	0.33	0.91	0.15	0.28	0.07	0.01
168814	Rock	3.0	5	124	9	4	<1	<1	0.01	0.55	0.24	0.93	0.06	0.27	0.04	0.01
168815	Rock	1.6	3	128	10	3	<1	<1	<0.01	0.37	0.20	1.04	0.05	0.21	0.03	0.01
168816	Rock	3.3	4	112	11	4	<1	<1	<0.01	0.49	0.24	0.70	0.07	0.26	0.04	<0.01
168817	Pulp	--	49	343	15	32	6	4	0.12	1.25	0.66	2.36	0.60	0.09	0.08	0.05
168818	Rock	4.9	39	382	12	57	<1	3	0.08	1.60	0.82	1.89	0.50	0.45	0.12	0.04

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
168819	Rock	2.9	50	372	19	51	<1	3	0.07	1.36	0.47	2.62	0.58	0.58	0.07	0.04
168820	Rock	1.1	2	31	5	1	<1	<1	<0.01	0.05	0.01	1.28	0.01	0.02	0.01	<0.01
168821	Rock	1.3	29	159	22	2	<1	<1	<0.01	0.05	0.08	5.26	0.01	0.01	0.01	<0.01
168822	Rock	1.2	1	28	3	<1	<1	<1	<0.01	0.02	<0.01	0.58	<0.01	<0.01	0.01	<0.01
168823	Rock	1.7	3	35	3	2	<1	<1	<0.01	0.05	0.04	0.49	0.01	0.04	0.01	<0.01
168824	Pulp	--	29	3911	34	29	3	2	0.05	0.68	0.46	7.64	0.47	0.12	0.04	0.03
168825	Rock	3.1	1	90	11	16	<1	<1	<0.01	0.18	0.42	0.45	0.04	0.15	0.03	<0.01
168826	Rock	2.4	2	76	15	9	1	<1	<0.01	0.18	0.32	0.48	0.02	0.17	0.03	<0.01
168827	Rock	3.9	10	170	19	11	<1	<1	<0.01	0.36	0.54	0.93	0.09	0.17	0.04	0.01
168828	Rock	4.2	4	138	18	16	<1	<1	<0.01	0.29	0.64	0.65	0.05	0.20	0.03	0.01
168829	Pulp	--	52	354	15	35	7	4	0.12	1.21	0.72	2.25	0.57	0.09	0.08	0.05
168830	Rock	0.7	12	125	14	2	<1	<1	0.02	0.44	0.09	2.76	0.15	0.13	0.02	0.01
168831	Rock	1.0	30	391	16	25	<1	2	0.05	0.83	1.08	2.37	0.46	0.35	0.05	0.04
168832	Rock	3.2	<1	27	2	1	<1	<1	<0.01	0.04	0.08	0.35	0.01	0.03	0.01	<0.01
168833	Rock	2.5	4	341	12	68	<1	1	<0.01	0.30	2.73	1.88	0.08	0.21	0.03	0.04
168834	Rock	4.0	7	220	11	21	<1	<1	<0.01	0.45	1.14	1.38	0.12	0.29	0.02	0.03
168835	Rock	3.2	14	190	22	24	<1	<1	<0.01	0.83	0.78	1.57	0.23	0.21	0.03	0.02
168836	Pulp	--	48	338	15	32	6	4	0.11	1.16	0.66	2.21	0.56	0.08	0.07	0.05
168837	Rock	1.8	36	347	13	11	<1	3	0.09	1.25	0.58	1.90	0.50	0.24	0.11	0.04
168838	Rock	2.8	9	52	6	<1	<1	<1	<0.01	0.13	0.06	1.28	0.05	0.04	0.01	<0.01
168839	Rock	2.2	8	162	8	3	<1	<1	0.01	0.55	0.33	0.87	0.18	0.21	0.03	0.03
168840	Rock	2.8	32	176	12	7	<1	2	0.06	0.70	0.34	1.76	0.31	0.26	0.06	0.03
168841	Rock	0.7	6	87	8	3	<1	<1	<0.01	0.14	0.05	1.70	0.06	0.08	0.01	0.01
168842	Rock	1.5	8	135	6	4	<1	<1	0.02	0.44	0.38	0.70	0.14	0.18	0.02	0.02
168843	Pulp	--	28	4036	35	28	3	2	0.05	0.66	0.46	7.88	0.48	0.12	0.04	0.03
168844	Rock	4.3	23	355	11	11	<1	2	0.07	1.16	0.53	1.44	0.40	0.25	0.13	0.03
168845	Rock	1.5	20	102	10	5	<1	<1	0.02	0.23	0.17	2.04	0.09	0.09	0.03	0.01
168846	Rock	2.6	29	344	13	8	<1	1	0.03	0.93	0.55	2.13	0.25	0.18	0.07	0.02
168847	Rock	4.4	20	360	12	11	<1	1	0.03	0.75	0.78	1.43	0.34	0.20	0.05	0.03
168848	Rock	3.6	26	361	14	23	<1	2	0.04	1.15	0.85	1.97	0.42	0.22	0.06	0.03
168849	Rock	3.4	29	293	19	18	<1	2	0.01	0.81	0.58	1.82	0.40	0.19	0.02	0.03
168850	Rock	1.8	28	293	19	18	<1	1	0.01	0.79	0.58	1.81	0.41	0.17	0.02	0.04
167751	Rock	4.0	21	403	21	22	<1	1	<0.01	0.75	1.36	1.69	0.44	0.22	0.03	0.04
167752	Rock	3.0	11	70	10	7	<1	<1	<0.01	0.33	0.14	1.98	0.06	0.10	0.01	0.01
167753	Rock	3.1	8	45	9	<1	<1	<1	<0.01	0.09	0.01	2.04	0.01	0.02	0.01	<0.01
167754	Rock	3.5	<1	28	3	2	<1	<1	<0.01	0.08	0.04	0.60	<0.01	0.02	0.01	<0.01
167755	Rock	4.0	2	103	14	9	<1	<1	<0.01	0.28	0.47	0.62	0.05	0.17	0.03	0.01
167756	Rock	4.5	4	222	16	15	1	<1	<0.01	0.30	0.77	0.62	0.12	0.14	0.03	0.01
167757	Pulp	--	46	336	14	30	5	3	0.09	1.07	0.57	2.16	0.54	0.08	0.07	0.05
167758	Rock	3.9	8	189	16	17	<1	<1	<0.01	0.36	0.83	0.92	0.11	0.17	0.03	0.01
167759	Pulp	--	46	340	14	30	5	3	0.09	1.10	0.57	2.23	0.56	0.08	0.07	0.05
167760	Rock	0.9	10	214	18	3	<1	<1	<0.01	0.54	0.21	1.67	0.21	0.20	0.02	0.03
167761	Rock	0.9	2	36	5	<1	<1	<1	<0.01	0.11	0.03	1.05	0.01	0.05	0.01	<0.01
167762	Rock	1.4	16	349	12	11	<1	1	0.02	1.08	0.84	1.56	0.37	0.26	0.04	0.04
167763	Rock	1.8	6	50	7	1	<1	<1	<0.01	0.15	0.03	1.18	0.06	0.08	0.01	0.01
167764	Rock	1.5	35	512	13	13	<1	2	0.06	1.52	0.74	1.90	0.58	0.29	0.11	0.04
167765	Rock	2.9	14	271	11	6	<1	<1	0.02	0.86	0.32	1.54	0.28	0.22	0.05	0.04
167766	Pulp	--	26	3597	33	23	2	1	0.04	0.61	0.40	7.00	0.42	0.11	0.04	0.03
167767	Rock	2.8	20	323	12	16	<1	1	0.04	1.17	0.60	1.74	0.37	0.30	0.09	0.04
167768	Rock	2.7	37	419	13	261	<1	2	0.05	1.02	1.16	1.96	0.53	0.24	0.05	0.04
167769	Rock	2.3	30	418	13	93	<1	2	0.03	0.83	0.90	1.90	0.47	0.23	0.03	0.04
167770	Rock	2.4	6	56	4	5	<1	<1	<0.01	0.15	0.43	0.76	0.02	0.03	0.01	<0.01
167771	Rock	2.8	4	184	12	15	<1	<1	<0.01	0.41	0.62	0.85	0.10	0.15	0.02	0.01
167772	Rock	2.4	4	207	12	44	<1	<1	<0.01	0.38	0.55	0.66	0.09	0.16	0.02	0.01
167773	Pulp	--	42	318	13	26	5	3	0.07	1.00	0.51	2.09	0.52	0.08	0.06	0.05
167774	Rock	2.6	31	388	15	8	<1	2	0.05	0.96	0.45	1.83	0.48	0.25	0.04	0.04
167775	Rock	4.1	23	253	11	34	<1	2	0.05	1.12	0.55	1.55	0.37	0.34	0.09	0.03
167776	Rock	4.4	30	413	13	19	<1	2	0.07	1.70	1.17	1.77	0.54	0.42	0.14	0.04
167777	Rock	2.3	41	513	17	19	<1	3	0.06	1.15	0.80	2.41	0.65	0.35	0.06	0.05
167778	Rock	2.2	31	168	12	24	<1	<1	0.01	0.35	0.47	2.06	0.21	0.12	0.02	0.02
167779	Rock	3.1	29	222	12	16	<1	2	0.04	0.72	0.51	1.61	0.42	0.37	0.04	0.04
167780	Pulp	--	25	3674	34	22	2	1	0.03	0.60	0.41	7.16	0.43	0.11	0.04	0.03
167781	Rock	2.6	10	166	13	26	<1	<1	0.01	0.28	0.50	1.64	0.14	0.14	0.02	0.02
167782	Rock	1.4	12	95	9	21	<1	<1	0.01	0.25	0.21	1.86	0.09	0.10	0.02	0.01
167783	Rock	1.4	4	71	6	6	<1	<1	<0.01	0.15	0.40	0.60	0.03	0.05	0.01	<0.01
167784	Rock	4.0	10	143	14	11	<1	<1	0.02	0.38	0.29	0.87	0.14	0.14	0.05	0.01
167785	Pulp	--	41	315	13	26	4	3	0.08	1.02	0.52	2.11	0.53	0.08	0.06	0.04
167786	Rock	2.5	21	300	14	27	<1	2	0.04	0.87	0.22	1.48	0.44	0.26	0.05	0.03
167787	Rock	3.6	6	77	13	2	<1	<1	<0.01	0.30	0.08	2.21	0.08	0.14	0.02	0.01
167788	Rock	4.3	8	202	16	18	<1	<1	<0.01	0.42	0.50	1.08	0.18	0.15	0.03	0.02
167789	Rock	2.8	1	27	4	1	<1	<1	<0.01	0.05	0.08	0.63	0.01	0.02	0.01	<0.01

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
167790	Rock	2.3	7	59	11	2	<1	<1	<0.01	0.08	0.09	2.60	0.01	0.01	0.01	<0.01
167791	Rock	3.0	3	72	8	10	<1	<1	<0.01	0.18	0.40	0.74	0.03	0.12	0.02	<0.01
167792	Pulp	--	23	3691	34	21	1	1	0.03	0.56	0.39	7.14	0.42	0.10	0.04	0.03
167793	Rock	2.1	2	56	10	4	1	<1	<0.01	0.19	0.17	0.49	0.02	0.15	0.01	<0.01
167794	Rock	3.4	2	50	12	28	<1	<1	<0.01	0.75	0.71	1.69	0.03	0.12	0.03	<0.01
167795	Rock	3.9	1	77	9	11	<1	<1	<0.01	0.22	0.50	0.47	0.03	0.10	0.03	<0.01
167796	Pulp	--	47	339	15	31	6	4	0.10	1.22	0.63	2.38	0.60	0.08	0.07	0.05
167797	Rock	3.0	52	393	14	26	<1	4	0.13	1.21	0.54	2.08	0.65	0.57	0.08	0.04
167798	Rock	1.0	31	300	18	21	<1	2	0.02	0.87	0.40	2.52	0.43	0.23	0.04	0.04
167799	Rock	2.9	20	222	11	7	<1	<1	<0.01	0.29	0.70	2.34	0.03	0.03	0.01	<0.01
167800	Rock	0.9	11	291	15	17	<1	<1	<0.01	0.44	1.04	1.27	0.21	0.18	0.02	0.04
167801	Rock	1.7	11	380	11	18	<1	<1	<0.01	0.23	1.19	1.32	0.10	0.09	0.02	0.01
167802	Rock	1.7	15	400	11	15	<1	<1	0.02	0.52	1.11	1.45	0.30	0.28	0.02	0.03
167803	Pulp	--	23	3739	36	20	1	1	0.03	0.56	0.39	7.23	0.43	0.10	0.04	0.03
167804	Rock	1.8	5	41	7	2	<1	<1	<0.01	0.08	0.08	1.54	0.02	0.03	0.01	<0.01
167805	Rock	2.8	7	124	13	15	<1	<1	0.01	0.31	0.35	0.80	0.14	0.11	0.03	0.01
167806	Pulp	--	46	338	15	30	5	3	0.09	1.16	0.60	2.28	0.58	0.08	0.07	0.05
167807	Rock	3.8	74	431	18	13	<1	5	0.18	1.53	0.35	2.93	1.01	1.10	0.06	0.06
167808	Rock	2.0	2	23	4	<1	<1	<1	<0.01	0.06	0.01	0.62	0.01	0.03	0.01	<0.01
167809	Rock	1.1	<1	39	3	<1	<1	<1	<0.01	0.03	0.07	0.54	<0.01	0.02	0.01	<0.01
167810	Rock	4.4	11	214	10	4	<1	1	0.01	0.65	0.31	1.35	0.20	0.25	0.06	0.04
RE 168767	Repeat	--	19	194	13	14	2	<1	<0.01	0.55	0.54	1.88	0.17	0.19	0.04	0.01
RE 168786	Repeat	--	2	30	5	<1	<1	<1	<0.01	0.06	0.02	1.06	0.01	0.04	0.01	<0.01
RE 168806	Repeat	--	1	31	5	<1	<1	<1	<0.01	0.05	0.01	1.13	0.01	0.02	0.01	<0.01
RE 168825	Repeat	--	1	89	10	16	<1	<1	<0.01	0.17	0.43	0.45	0.04	0.14	0.03	<0.01
RE 168845	Repeat	--	20	99	9	5	<1	<1	0.02	0.23	0.17	2.03	0.09	0.09	0.03	0.01
RE 167764	Repeat	--	35	505	14	13	<1	3	0.06	1.52	0.74	1.88	0.57	0.28	0.12	0.04
RE 167784	Repeat	--	10	137	13	11	<1	<1	0.02	0.38	0.29	0.86	0.13	0.13	0.05	0.01
RE 167803	Repeat	--	23	3769	37	21	1	1	0.03	0.57	0.40	7.24	0.43	0.10	0.04	0.03
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corre*

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ISO 9001:2000 Certified

Certificate#: 09L3485
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 174
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Dec 02, 2009
Date Out: Dec 15, 2009

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1	
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	
167811	Rock	1.8	0.78	--	--	10	31.9	360	422	924	<2	2	<3	7	<1	18	80.8	3	3	4	<5	92	
167812	Rock	0.8	0.18	--	--	<5	6.0	87	19	355	<2	1	<3	7	<1	5	9.0	1	3	12	<5	85	
167813	Pulp	--	9.59	9.81	269.3	<5	287.9	1815	14172	9403	593	1095	8	992	<1	22	22.9	15	26	11	<5	22	
167814	Rock	0.7	0.06	--	--	<5	7.8	1827	17	851	20	1	<3	8	<1	11	65.6	5	8	5	<5	121	
167815	Rock	1.4	0.02	--	--	<5	0.6	84	10	68	<2	3	<3	2	<1	4	3.9	2	4	6	<5	173	
167816	Rock	1.3	0.03	--	--	<5	0.7	363	7	113	<2	3	<3	5	<1	2	4.4	1	3	9	<5	138	
167817	Rock	3.3	0.01	--	--	<5	0.5	34	9	135	<2	1	<3	<1	<1	2	5.1	3	3	23	<5	61	
167818	Pulp	--	0.01	--	--	<5	0.1	24	1	40	2	<1	<3	4	<1	<1	<0.2	9	31	91	6	48	
167819	Rock	2.1	0.08	--	--	<5	8.4	549	27	178	<2	2	<3	2	<1	5	14.9	1	3	7	<5	147	
167820	Rock	2.2	0.02	--	--	<5	1.6	127	49	121	<2	2	<3	2	<1	7	7.0	2	3	22	<5	77	
167821	Rock	2.3	0.03	--	--	<5	1.2	102	36	203	<2	<1	<3	3	<1	3	14.3	2	2	21	<5	55	
167822	Rock	1.1	4.50	4.74	192.9	95	205.0	616	133	4462	<2	3	<3	6	<1	36	404.2	2	3	4	<5	152	
167823	Rock	0.6	0.13	--	--	<5	5.9	59	23	385	<2	1	<3	13	<1	2	33.8	<1	2	10	<5	89	
167824	Rock	1.3	4.90	4.88	209.0	88	224.2	1202	1186	5159	15	1	<3	65	<1	42	426.8	5	4	6	<5	129	
167825	Pulp	--	9.42	9.71	265.0	<5	276.9	1786	14088	9533	601	1124	8	971	<1	18	21.9	15	26	12	<5	23	
167826	Rock	0.7	0.17	--	--	10	13.1	72	24	304	<2	3	<3	18	<1	4	27.6	<1	2	8	97	105	
167827	Rock	1.3	7.20	7.60	378.4	262	293.7	2272	100	1855	8	4	<3	54	<1	41	154.0	<1	3	7	47	138	
167828	Rock	1.2	40.45	40.40	979.3	671	245.1	53212	375	452	9	<1	<3	<1	<1	178	<0.2	25	13	24	8	29	
167829	Rock	1.6	20.93	19.96	310.3	280	320.5	8147	76	50379	<2	22	<3	<1	<1	278	5337.9	35	6	10	<5	131	
167830	Rock	1.6	0.81	--	--	<5	30.6	696	12	22699	4	4	<3	2	<1	20	2457.0	12	4	4	<5	133	
167831	Rock	1.1	0.11	--	--	<5	3.4	74	13	609	<2	4	<3	4	<1	4	58.9	1	4	7	<5	181	
167832	Rock	0.7	0.04	--	--	<5	0.9	122	6	3809	<2	3	<3	2	<1	3	390.7	3	3	5	<5	152	
167833	Rock	2.9	0.13	--	--	<5	4.6	142	15	635	<2	<1	<3	4	<1	3	51.0	3	2	17	<5	73	
167834	Rock	0.8	0.44	--	--	<5	9.6	543	9	53970	<2	9	<3	<1	<1	36	6063.3	32	5	5	<5	137	
167835	Rock	2.2	0.09	--	--	<5	1.8	129	16	7430	<2	3	<3	1	<1	3	781.7	7	3	16	<5	132	
167836	Rock	2.9	0.12	--	--	<5	2.0	105	19	918	5	1	<3	2	<1	2	89.9	2	2	15	<5	95	
167837	Rock	1.9	0.11	--	--	<5	2.2	59	22	628	<2	2	<3	6	<1	3	57.6	1	2	17	<5	96	
167838	Rock	3.2	0.11	--	--	<5	2.4	60	21	674	<2	2	<3	5	<1	3	62.5	2	2	15	39	87	
167839	No Sample	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
167840	Rock	3.1	0.01	--	--	<5	0.3	98	19	112	<2	1	<3	1	<1	3	6.8	2	2	18	<5	80	
167841	Rock	5.8	0.07	--	--	<5	2.8	145	17	631	<2	1	<3	11	<1	3	58.1	2	2	14	<5	78	
167842	Pulp	--	0.01	--	--	<5	0.1	24	1	40	<2	<1	<3	4	<1	<1	<0.2	8	30	94	6	48	
167843	Rock	3.1	0.01	--	--	<5	1.9	169	31	67	<2	1	<3	<1	<1	9	1.9	3	3	55	<5	89	
167844	Rock	4.3	0.02	--	--	<5	8.1	130	182	368	<2	2	<3	<1	<1	21	33.3	2	2	52	<5	73	
167845	Rock	2.4	0.01	--	--	<5	<0.1	107	12	49	<2	2	<3	1	<1	2	0.8	3	3	94	<5	73	
167846	Rock	0.8	0.01	--	--	<5	0.6	107	11	43	<2	1	<3	<1	<1	3	<0.2	2	2	20	<5	63	
167847	Rock	2.4	0.01	--	--	<5	3.5	134	67	2095	<2	3	<3	5	<1	10	205.8	3	3	12	<5	138	
167848	Rock	2.4	0.01	--	--	<5	1.1	159	15	63	<2	<1	<3	5	<1	3	1.7	2	2	22	14	58	
167849	Pulp	--	9.50	9.66	261.1	<5	288.3	1854	14471	9403	604	1113	8	995	<1	22	21.6	15	26	12	<5	23	
167850	Rock	2.0	0.01	--	--	<5	1.1	190	21	109	2	3	<3	5	<1	3	5.3	2	3	23	<5	112	
167851	Rock	4.3	0.02	--	--	<5	0.7	144	11	1274	<2	3	<3	5	<1	5	117.0	1	2	11	<5	88	
167852	Rock	2.3	0.02	--	--	<5	1.7	284	10	1034	16	3	<3	1	<1	9	95.6	5	5	3	<5	173	
167853	Rock	2.3	0.33	--	--	<5	16.0	764	30	5478	<2	3	<3	3	<1	58	497.8	2	3	<2	<5	139	
167854	Rock	4.0	2.64	2.74	102.7	<5	107.4	2311	219	21970	<2	6	<3	<1	<1	85	2374.1	21	6	4	<5	172	
167855	Rock	2.0	0.11	--	--	<5	23.9	678	16	14056	<2	3	<3	<1	<1	16	1506.5	10	4	5	<5	136	
167856	Rock	1.1	0.25	--	--	<5	11.9	1193	19	14433	<2	5	<3	<1	<1	39	1557.7	13	5	3	<5	198	
167857	Rock	2.1	0.30	--	--	<5	9.3	1042	31	10610	3	3	<3	<1	<1	40	1126.1	15	5	4	<5	133	
167858	Rock	4.1	0.03	--	--	<5	1.5	181	21	365	39	2	<3	19	<1	5	34.4	3	8	14	<5	155	
167859	Rock	0.7	0.19	--	--	<5	15.3	1059	50	2235	381	14	<3	10	<1	33	196.8	7	9	10	<5	101	
167860	Rock	0.8	0.17	--	--	<5	1.8	35	28	82	<2	2	<3	9	<1	2	3.6	1	4	11	<5	120	
167861	Rock	0.8	0.14	--	--	<5	14.7	2616	14	8106	6	<1	<3	3	<1	19	792.0	8	9	16	<5	96	
167862	Rock	2.3	0.04	--	--	<5	1.9	223	17	92	3	1	<3	12	<1	4	1.5	2	7	20	<5	102	
167863	No Sample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
167864	Rock	0.8	0.05	--	--	<5	2.1	286	25	158	7	<1	<3	6	<1	7	1.7	5	7	16	<5	91	

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
167865	Rock	2.2	0.11	--	--	<5	3.9	416	17	609	15	1	<3	15	<1	5	57.7	7	10	23	<5	68
167866	Rock	1.5	0.14	--	--	<5	18.4	1939	22	398	13	1	<3	19	<1	11	21.7	5	11	15	<5	75
167867	Rock	3.3	0.22	--	--	9	8.4	426	16	84	7	<1	<3	124	<1	4	3.8	4	10	20	<5	89
167868	Rock	2.2	1.30	1.30	78.1	<5	75.2	3144	11	32804	14	5	<3	<1	<1	52	3351.0	12	5	6	<5	123
167869	Rock	0.6	4.39	4.40	315.2	50	301.1	38049	59	22963	28	2	<3	3	<1	181	2199.6	17	12	10	<5	136
167870	Pulp	--	29.89	30.00	--	<5	3.6	65	10	110	46	49	16	2939	<1	8	<0.2	6	20	10	19	21
167871	Rock	2.2	11.15	11.20	265.2	231	302.9	6624	562	14701	15	7	<3	4	<1	135	1416.1	6	4	9	<5	144
167872	Rock	3.3	2.96	2.92	82.3	<5	86.1	3287	14	14466	15	2	<3	5	<1	60	1386.0	15	7	12	<5	148
167873	Rock	1.0	3.83	3.64	98.6	28	103.4	2067	22	9681	1159	22	4	45	<1	24	811.4	2	5	4	125	154
167874	Rock	2.4	0.40	--	--	<5	10.7	447	8	2522	4479	34	<3	14	<1	9	280.3	4	5	<2	<5	178
167875	Rock	2.5	0.13	--	--	<5	4.9	114	12	647	33	4	<3	13	<1	4	63.8	<1	3	7	<5	116
167876	Rock	1.5	4.80	4.82	131.3	72	117.4	948	30	12768	896	26	12	11	<1	53	1290.5	5	6	6	<5	168
167877	Rock	0.8	11.15	11.12	233.7	296	259.9	2855	51	15827	556	52	48	8	<1	115	1533.5	4	7	6	<5	114
167878	Rock	2.7	1.44	1.39	--	8	48.7	3680	23	3791	70	6	<3	6	<1	23	401.3	6	8	13	<5	158
167879	Rock	2.7	0.95	--	--	<5	43.3	1102	36	3986	195	3	<3	43	<1	12	392.0	7	16	15	12	80
167880	Rock	1.6	2.19	2.17	54.5	16	56.6	1091	43	3922	15	5	<3	30	<1	24	394.0	6	7	7	<5	157
167881	Rock	4.3	0.25	--	--	<5	8.7	271	15	545	4	1	<3	15	<1	3	44.6	4	8	18	60	69
167882	Rock	4.1	0.10	--	--	<5	3.6	91	11	416	<2	2	<3	9	<1	3	32.0	2	5	21	<5	101
167883	Rock	3.9	0.52	--	--	8	20.9	411	16	1334	2	2	<3	17	<1	4	101.0	2	4	11	44	88
167884	Pulp	--	0.01	--	--	<5	<0.1	25	<1	43	2	<1	<3	5	<1	<1	<0.2	9	32	98	8	52
167885	Rock	0.8	7.78	7.52	287.6	461	299.6	5921	2576	2363	15	4	<3	10	<1	210	205.2	3	6	9	47	167
167886	Rock	0.7	0.04	--	--	<5	1.5	133	42	133	<2	1	<3	3	<1	4	8.6	2	3	17	<5	80
167887	Rock	1.1	0.04	--	--	<5	8.0	132	255	3557	<2	<1	<3	2	<1	41	332.9	22	6	11	<5	144
167888	Rock	2.6	0.04	--	--	<5	6.2	291	273	493	<2	1	<3	2	<1	13	33.6	3	2	22	<5	73
167889	Rock	2.6	0.12	--	--	<5	7.3	228	343	1499	5	2	<3	2	<1	8	115.6	3	3	23	<5	111
167890	Rock	2.7	<0.01	--	--	<5	<0.1	99	18	57	<2	<1	<3	1	<1	1	<0.2	2	3	19	<5	82
167891	Pulp	--	9.56	9.56	268.5	<5	262.8	1881	13134	8851	604	1081	8	1003	<1	21	23.6	15	27	11	<5	23
167892	Rock	2.9	<0.01	--	--	<5	0.4	138	27	167	<2	4	<3	7	<1	3	9.9	2	3	19	<5	97
167893	Rock	1.9	0.07	--	--	<5	13.1	195	192	1501	<2	3	<3	168	<1	41	165.3	2	3	7	157	140
167894	Rock	2.3	0.02	--	--	<5	1.1	174	23	106	<2	2	<3	76	<1	7	8.2	2	3	5	105	157
167895	Rock	1.8	0.01	--	--	<5	0.1	56	4	46	<2	2	<3	2	<1	3	1.1	1	3	4	6	124
167896	Rock	1.8	0.01	--	--	<5	0.2	89	15	122	<2	2	<3	6	<1	3	9.9	2	2	23	<5	93
167897	Pulp	--	0.01	--	--	<5	<0.1	26	2	43	2	<1	<3	4	<1	<1	<0.2	9	31	102	7	51
167898	Rock	1.4	0.02	--	--	<5	1.1	117	32	77	<2	2	<3	11	<1	11	2.5	2	3	12	<5	99
167899	Rock	1.4	0.02	--	--	<5	1.0	151	40	429	<2	<1	<3	12	<1	8	29.3	9	4	20	25	91
167900	Rock	4.5	0.01	--	--	<5	0.8	245	12	1179	<2	2	<3	1	<1	3	106.6	3	3	19	11	76
167901	Rock	3.9	0.46	--	--	<5	20.1	1281	61	6345	<2	7	<3	3	<1	42	593.1	7	5	4	<5	213
167902	Rock	2.6	0.03	--	--	<5	1.3	181	24	229	<2	2	<3	11	<1	4	15.7	2	2	27	59	75
167903	Rock	3.4	0.03	--	--	<5	0.9	102	26	151	<2	2	<3	6	<1	5	7.8	2	3	28	<5	112
167904	Pulp	--	29.86	29.92	--	<5	3.5	66	10	114	47	49	16	3013	<1	7	<0.2	7	21	16	18	22
167905	Rock	1.5	0.02	--	--	<5	1.3	297	34	1557	<2	4	<3	19	<1	10	143.8	3	3	17	<5	94
167906	Rock	1.0	0.10	--	--	<5	18.4	1028	335	8705	<2	4	<3	56	<1	81	770.0	4	4	19	<5	93
167907	Rock	1.4	0.38	--	--	<5	18.6	369	121	6324	<2	3	<3	63	<1	41	597.6	4	3	6	<5	149
167908	Rock	3.5	0.02	--	--	<5	<0.1	29	6	195	<2	3	<3	8	<1	3	18.6	<1	3	5	<5	190
167909	Rock	1.0	0.05	--	--	<5	8.4	252	25	2201	<2	4	<3	1	<1	9	218.4	5	4	3	<5	170
167910	Rock	2.6	0.06	--	--	<5	<0.1	21	5	38	<2	3	<3	11	<1	3	2.1	<1	3	11	<5	185
167911	Rock	1.6	0.03	--	--	<5	0.3	20	5	34	<2	3	<3	11	<1	2	2.1	<1	2	8	<5	155
167912	Rock	4.3	<0.01	--	--	<5	3.1	123	134	788	<2	3	<3	10	<1	4	62.5	<1	2	22	<5	105
167913	Pulp	--	0.01	--	--	<5	<0.1	25	<1	43	<2	1	<3	5	<1	1	<0.2	9	32	101	6	52
167914	Rock	2.3	1.42	1.36	59.2	42	54.7	556	134	1437	2	2	<3	13	<1	10	97.2	2	2	19	20	94
167915	Rock	2.3	9.28	9.10	310.9	316	230.3	1672	285	603	2	3	<3	6	<1	33	41.5	3	4	10	91	174
167916	Rock	2.0	1.11	1.06	--	44	48.6	1049	283	1512	4	2	<3	11	<1	12	105.1	2	2	22	<5	87
167917	Rock	1.9	2.57	2.55	104.7	9	110.7	3946	41	5997	<2	3	<3	4	<1	29	566.4	7	5	4	<5	207
167918	Rock	3.0	0.22	--	--	<5	7.5	210	100	507	3	2	<3	2	<1	4	30.8	3	2	23	<5	71
167919	Rock	1.8	0.04	--	--	<5	2.1	232	87	401	<2	2	<3	5	<1	6	27.8	2	3	19	<5	96
167920	Pulp	--	30.08	30.16	--	<5	0.1	64	10	112	45	52	16	2759	<1	7	<0.2	7	21	16	17	22
167921	Rock	1.6	4.59	5.00	256.6	102	267.8	1161	1989	12296	<2	4	<3	14	<1	215	1167.5	3	3	10	<5	125
167922	Rock	1.9	30.54	29.90	1014.1	737	248.3	4129	4246	11239	93	6	<3	59	<1	82	797.7	6	6	5	160	202
167923	Rock	0.6	2.35	2.27	78.9	61	83.9	157	1614	1527	8	3	<3	12	<1	11	112.3	<1	3	2	<5	160
167924	Rock	1.0	6.05	5.98	212.9	126	222.7	2071	3203	7627	12	5	<3	3	<1	40	537.5	1	4	3	<5	203
167925	Rock	1.3	0.20	--	--	<5	5.8	56	42	896	<2	3	<3	16	<1	2	76.9	<1	3	9	<5	149
167926	Rock	1.8	0.19	--	--	<5	4.0	34	47	771	<2	3	<3	2	<1	2	80.4	1	4	<2	<5	211
167927	Rock	1.1	0.19	--	--	<5	6.7	31	10	1100	<2	3	<3	1	<1	3	118.6	1	3	<2	<5	169
167928	Rock	2.2	0.08	--	--	<5	4.4	19	8	170	4	3	<3	3	<1	3	16.6	<1	4	2	<5	209
167929	Rock	1.5	0.04	--	--	<5	2.7	55	26	131	<2	2	<3	7	<1	3	8.9	1	2	17	<5	96
167930	Pulp	--	0.01	--	--	<5	<0.1	24	1	41	3	<1	<3	4	<1	<1	<0.2	9	32	96	6	50
167931	Rock	1.3	8.36	8.80	129.4	112	148.7	203	31	3851	<2	<1	<3	42	<1	34	317.8	12	10	27	536	98
167932	Rock	1.4	0.94	--	--	16	18.0	183	3	571	<2	<1	<3	<1	<1	4	33.4	17	12	49	129	59
167933	Rock	2.1	0.38	--	--	<5	5.1	255	8	225	<2	<1	<3	2	<1	6	<0.2	15	12	29	50	75
167934	Rock	2.0	0.63	--	--	<5	9.7	1111	14	383	<2	<1	<3	15	<1	13	10.6	16	12	33	69	59
167935	Rock	0.4	0.14	--	--	<5	1.6	158	1	312	<2	<1	5	<1	<1	5	5.0	14	12	63	105	63
167936	Rock	0.7	0.34	--	--	5	7.0	317	14	220	<2	<1	<3	2	<1	5	2.7	8	10	26	17	74
167937	Pulp	--	29.90	29.86	--	<5	4.0	62	10	110	47	59	16	3018	<1	7	<0.2	6	21	20	23	22

Minimum detection		0.1	0.01	0.07	0.3	5	0.1	1	1	1	2	1	3	1	1	1	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	9999	1000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	AqR/AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Te ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
167938	Rock	0.9	2.96	3.00	--	36	36.8	214	10	277	11	<1	<3	6	<1	34	<0.2	10	8	20	<5	128
167939	Rock	3.9	0.55	--	--	10	11.5	179	41	522	3	2	<3	18	<1	6	38.3	1	2	14	<5	102
167940	Rock	3.0	0.03	--	--	<5	0.5	67	8	54	2	2	<3	2	<1	2	1.5	<1	2	20	<5	114
167941	Rock	2.2	0.33	--	--	7	7.6	335	13	90	<2	1	<3	4	<1	6	3.6	1	2	12	<5	101
167942	Rock	1.6	3.79	4.00	74.4	86	76.2	751	13	1828	10	5	<3	4	<1	25	158.4	1	3	12	8	120
167943	Rock	2.3	0.06	--	--	<5	1.0	50	11	43	3	2	<3	3	<1	2	0.4	2	2	12	<5	99
167944	Pulp	--	0.01	--	--	<5	<0.1	26	3	45	2	<1	<3	5	<1	<1	<0.2	10	32	103	7	52
167945	Rock	3.0	0.68	--	95.2	<5	102.3	1083	1582	4429	<2	3	<3	29	<1	161	384.2	4	4	17	<5	126
167946	Rock	2.4	0.27	--	--	<5	13.9	264	151	1060	<2	1	<3	9	<1	5	73.2	2	3	21	<5	80
167947	Rock	1.5	0.40	--	--	<5	39.1	275	1116	2195	<2	2	<3	5	<1	31	166.7	3	3	21	<5	105
167948	Rock	0.7	0.42	--	168.4	40	172.2	1723	43	5657	50	6	<3	3	<1	21	504.2	2	3	3	<5	156
167949	Rock	1.8	0.46	--	--	11	15.5	126	79	892	4	3	<3	7	<1	7	82.5	<1	4	5	<5	203
167950	Rock	2.2	9.23	9.90	463.2	350	357.6	6387	468	32667	4	7	<3	4	<1	280	2757.1	2	5	7	<5	154
167951	Pulp	--	29.86	29.92	--	<5	3.6	71	11	133	49	62	16	3222	<1	9	<0.2	6	21	21	20	22
167952	Rock	1.5	2.94	3.00	137.7	<5	146.4	1917	241	18030	10	7	<3	14	<1	41	1776.4	8	5	11	<5	183
167953	Rock	2.8	0.09	--	--	<5	2.1	117	25	345	5	3	<3	3	<1	2	22.1	1	2	23	<5	103
167954	Pulp	--	0.01	--	--	<5	<0.1	28	1	48	3	<1	<3	5	<1	<1	<0.2	10	33	105	6	53
167955	Rock	1.3	0.72	--	--	8	8.3	68	7	202	<2	<1	<3	<1	<1	9	<0.2	13	12	24	65	57
167956	Rock	2.8	0.75	--	--	9	14.0	249	22	489	<2	<1	<3	12	<1	6	25.6	12	11	23	129	48
167957	Rock	2.5	0.07	--	--	<5	0.6	60	25	82	3	2	<3	2	<1	2	2.9	2	3	24	5	99
167958	Rock	1.2	3.04	3.00	52.1	19	50.0	717	25	3530	6	2	<3	20	<1	16	237.3	1	2	16	249	71
167959	Rock	1.0	0.63	--	--	6	15.1	198	13	1138	8	2	<3	1	<1	4	117.2	2	3	29	5	103
167960	Rock	1.7	0.73	--	--	21	17.9	150	24	282	22	3	<3	10	<1	6	25.2	2	3	24	<5	104
167961	Pulp	--	30.17	29.83	--	<5	3.7	68	9	113	49	62	16	3254	<1	8	<0.2	6	21	24	20	23
167962	Rock	1.1	0.03	--	--	<5	0.7	66	35	108	24	<1	<3	5	<1	2	4.6	3	3	25	<5	89
167963	Rock	0.6	2.39	2.60	100.0	124	104.7	10440	78	727	118	4	<3	6	<1	44	56.8	18	6	17	<5	96
167964	Rock	1.7	0.32	--	--	10	7.0	190	15	181	6	2	<3	3	<1	4	13.2	3	3	20	<5	99
167965	Rock	0.5	9.71	10.01	1963.9	2471	271.1	4373	232	9607	13	49	<3	8	<1	437	877.9	7	5	10	<5	129
167966	Rock	1.5	0.79	--	--	20	23.1	250	10	1102	9	2	<3	2	<1	6	81.9	3	4	20	<5	98
167967	Rock	1.1	1.25	1.25	--	22	18.6	479	19	284	7	2	<3	12	<1	9	24.2	3	3	16	11	108
167968	Rock	0.7	0.64	--	--	9	10.1	352	14	176	5	3	<3	9	<1	7	14.3	3	3	17	<5	113
167969	Rock	1.1	0.13	--	--	<5	1.2	43	7	67	5	2	<3	<1	<1	3	1.5	3	3	18	<5	93
167970	Rock	1.3	4.97	4.98	87.2	56	90.2	562	12	6920	<2	14	<3	1	<1	32	488.1	4	4	22	<5	99
167971	Rock	1.8	0.13	--	--	<5	1.9	50	6	86	<2	2	<3	1	<1	2	2.4	3	3	23	<5	98
167972	Rock	1.4	0.19	--	--	<5	3.7	75	14	299	3	2	<3	<1	<1	4	15.9	2	3	25	<5	105
167973	Rock	1.9	1.98	2.12	--	39	26.7	630	335	496	9	2	<3	4	<1	25	33.3	2	3	21	<5	103
167974	Rock	1.2	0.01	--	--	<5	0.2	64	17	52	4	2	<3	1	<1	3	<0.2	2	3	21	<5	95
167975	Pulp	--	0.01	--	--	<5	<0.1	25	2	41	<2	1	<3	4	<1	<1	<0.2	9	32	98	7	50
167976	Rock	1.9	0.55	--	--	<5	11.9	195	8	586	<2	<1	<3	39	<1	3	31.4	11	9	13	57	71
167977	Rock	2.6	5.90	6.00	115.8	63	127.6	979	108	8922	<2	2	<3	2	<1	29	587.8	15	12	39	<5	69
167978	Rock	4.2	0.57	--	--	9	10.2	315	15	254	<2	<1	<3	18	<1	7	8.4	7	7	14	<5	83
167979	Rock	2.3	18.19	17.96	262.3	363	270.7	1097	1272	1839	<2	5	<3	7	<1	155	130.4	2	5	5	<5	192
167980	Rock	2.1	5.26	5.00	104.7	122	113.7	2108	81	771	4	<1	<3	4	<1	63	37.4	11	5	9	<5	122
167981	Rock	4.7	2.93	2.86	71.3	73	79.0	251	18	173	<2	4	<3	6	<1	14	13.8	2	3	15	<5	160
167982	Pulp	--	29.94	29.83	--	<5	3.8	64	9	111	47	55	16	3312	<1	8	<0.2	6	21	30	19	22
167983	Rock	2.9	4.07	4.06	--	89	38.6	466	113	711	<2	5	<3	12	<1	54	52.4	1	2	14	19	87
167984	Rock	2.7	18.96	19.00	486.0	491	263.4	153	75	4139	<2	4	<3	39	<1	75	306.8	5	4	18	11	123
RE 167811	Repeat	--	0.78	--	--	12	36.4	362	422	923	<2	2	<3	7	<1	19	81.9	3	3	4	<5	101
RE 167830	Repeat	--	0.82	--	--	<5	30.6	704	13	22702	4	4	<3	2	<1	20	2462.0	12	4	4	<5	134
RE 167850	Repeat	--	0.01	--	--	<5	0.3	190	19	109	<2	3	<3	5	<1	3	5.4	2	3	22	<5	113
RE 167869	Repeat	--	4.44	--	414.7	46	295.0	37966	60	23053	28	2	<3	3	<1	180	2202.0	17	12	10	<5	140
RE 167889	Repeat	--	0.12	--	--	<5	7.7	227	345	1503	5	2	<3	2	<1	8	116.3	3	3	23	<5	111
RE 167908	Repeat	--	0.02	--	--	<5	0.2	29	6	195	<2	3	<3	8	<1	3	18.9	<1	3	5	<5	191
RE 167928	Repeat	--	0.07	--	--	<5	3.7	20	8	171	4	3	<3	3	<1	3	16.8	<1	4	2	<5	211
RE 167947	Repeat	--	0.39	--	--	<5	36.4	274	1128	2202	<2	2	<3	5	<1	31	166.7	3	3	21	<5	105
RE 167967	Repeat	--	1.29	--	--	23	18.6	478	20	284	7	2	<3	11	<1	9	24.0	3	3	16	11	108
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 09L3485
Client: Mountainside Exploration Management
Project: Deer Horn
Shipment#:
PO#:
No. of Samples: 174
Analysis #1: Au(FA/AAS) Te
Analysis #2: ICP(AqR)30
Analysis #3:
Comment #1: Au> 1ppm do FA/Grav
Comment #2: Ag> 50ppm do FA/Grav
Date In: Dec 02, 2009
Date Out: Dec 15, 2009

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
167811	Rock	1.8	5	33	<2	1	<1	<1	<0.01	0.05	0.05	2.35	0.01	0.02	0.01	<0.01
167812	Rock	0.8	17	85	7	4	<1	<1	<0.01	0.38	0.20	0.93	0.12	0.14	0.01	0.01
167813	Pulp	--	54	3806	10	21	3	<1	0.04	0.61	0.42	7.58	0.45	0.10	0.04	0.03
167814	Rock	0.7	24	98	<2	<1	<1	<1	<0.01	0.14	0.03	5.99	0.02	<0.01	0.01	<0.01
167815	Rock	1.4	3	54	<2	2	<1	<1	<0.01	0.05	0.13	0.95	0.01	0.04	0.01	<0.01
167816	Rock	1.3	4	67	2	4	<1	<1	<0.01	0.11	0.14	0.66	0.03	0.08	0.01	<0.01
167817	Rock	3.3	16	216	15	13	<1	<1	0.01	0.46	0.62	0.89	0.19	0.20	0.03	0.02
167818	Pulp	--	72	346	21	28	5	1	0.09	1.16	0.64	2.38	0.54	0.08	0.07	0.05
167819	Rock	2.1	6	31	<2	1	<1	<1	<0.01	0.11	0.02	0.95	0.02	0.05	0.01	<0.01
167820	Rock	2.2	13	168	10	18	<1	<1	<0.01	0.30	0.77	0.94	0.12	0.18	0.03	0.02
167821	Rock	2.3	8	192	9	17	<1	<1	<0.01	0.25	0.76	0.73	0.08	0.17	0.02	0.02
167822	Rock	1.1	9	56	<2	<1	<1	<1	<0.01	0.10	0.03	1.61	0.01	0.02	0.01	<0.01
167823	Rock	0.6	7	43	5	2	<1	<1	<0.01	0.20	0.06	0.42	0.06	0.09	0.01	0.01
167824	Rock	1.3	21	116	<2	<1	<1	<1	<0.01	0.26	0.03	4.38	0.02	0.04	<0.01	<0.01
167825	Pulp	--	57	3774	8	23	3	<1	0.04	0.64	0.43	7.93	0.45	0.11	0.04	0.03
167826	Rock	0.7	6	38	5	2	<1	<1	<0.01	0.15	0.15	0.53	0.02	0.07	0.01	<0.01
167827	Rock	1.3	5	45	<2	<1	<1	<1	<0.01	0.16	0.06	1.28	0.02	0.07	0.01	<0.01
167828	Rock	1.2	<1	448	<2	1	<1	<1	<0.01	0.03	0.10	32.24	0.01	<0.01	<0.01	<0.01
167829	Rock	1.6	99	460	<2	<1	<1	<1	<0.01	0.05	0.04	12.80	0.02	<0.01	<0.01	<0.01
167830	Rock	1.6	37	170	<2	2	<1	<1	<0.01	0.11	0.04	4.53	0.01	0.02	<0.01	<0.01
167831	Rock	1.1	6	51	3	3	<1	<1	<0.01	0.13	0.16	0.59	0.02	0.08	0.01	<0.01
167832	Rock	0.7	3	51	<2	2	<1	<1	<0.01	0.10	0.14	0.87	0.02	0.06	0.01	<0.01
167833	Rock	2.9	16	113	21	11	1	<1	<0.01	0.37	0.56	0.54	0.15	0.19	0.03	0.01
167834	Rock	0.8	41	252	<2	1	<1	<1	<0.01	0.13	0.08	3.64	0.06	0.04	0.01	<0.01
167835	Rock	2.2	17	96	13	7	1	<1	<0.01	0.26	0.29	0.96	0.08	0.14	0.03	<0.01
167836	Rock	2.9	15	76	15	10	1	<1	0.01	0.26	0.32	0.62	0.10	0.14	0.03	<0.01
167837	Rock	1.9	14	82	15	9	1	<1	<0.01	0.28	0.41	0.56	0.09	0.15	0.03	<0.01
167838	Rock	3.2	13	83	16	9	<1	<1	<0.01	0.26	0.43	0.55	0.09	0.13	0.03	<0.01
167839	No Sample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
167840	Rock	3.1	15	101	13	9	1	<1	0.01	0.29	0.34	0.90	0.14	0.17	0.03	<0.01
167841	Rock	5.8	14	80	12	11	<1	<1	0.01	0.31	0.34	0.65	0.10	0.14	0.02	<0.01
167842	Pulp	--	73	337	23	29	5	1	0.09	1.19	0.63	2.42	0.58	0.08	0.07	0.05
167843	Rock	3.1	13	113	9	8	<1	<1	0.01	0.25	0.37	1.25	0.09	0.15	0.03	0.01
167844	Rock	4.3	9	179	12	13	<1	<1	<0.01	0.24	0.66	1.00	0.09	0.14	0.03	0.01
167845	Rock	2.4	10	155	12	12	1	<1	<0.01	0.25	0.61	0.85	0.08	0.15	0.04	0.01
167846	Rock	0.8	17	155	13	5	<1	<1	0.02	0.30	0.28	0.86	0.17	0.18	0.03	0.01
167847	Rock	2.4	6	56	6	3	<1	<1	<0.01	0.09	0.17	1.27	0.03	0.06	0.01	<0.01
167848	Rock	2.4	14	127	12	12	<1	<1	0.01	0.31	0.39	0.81	0.14	0.15	0.03	0.01
167849	Pulp	--	55	3996	11	21	3	<1	0.04	0.63	0.42	8.24	0.48	0.11	0.04	0.03
167850	Rock	2.0	19	107	10	11	<1	<1	<0.01	0.34	0.34	1.40	0.12	0.14	0.03	<0.01
167851	Rock	4.3	7	84	7	10	<1	<1	<0.01	0.17	0.33	0.61	0.07	0.10	0.02	<0.01
167852	Rock	2.3	18	75	<2	1	<1	<1	<0.01	0.06	0.05	2.82	0.01	0.01	0.01	<0.01
167853	Rock	2.3	4	36	<2	<1	<1	<1	<0.01	0.03	0.02	1.31	<0.01	<0.01	0.01	<0.01
167854	Rock	4.0	38	133	<2	2	<1	<1	<0.01	0.03	0.07	5.56	0.01	<0.01	0.01	<0.01
167855	Rock	2.0	24	120	<2	4	<1	<1	<0.01	0.07	0.14	3.77	0.02	0.02	0.01	<0.01
167856	Rock	1.1	16	72	<2	3	<1	<1	<0.01	0.04	0.09	2.95	0.01	0.01	0.01	<0.01
167857	Rock	2.1	26	80	<2	<1	<1	<1	<0.01	0.03	0.06	4.46	0.01	0.01	<0.01	<0.01
167858	Rock	4.1	12	58	5	3	2	<1	<0.01	0.37	0.09	0.93	0.06	0.20	0.01	0.01
167859	Rock	0.7	112	207	<2	6	<1	<1	<0.01	0.98	0.16	8.15	0.16	0.09	0.01	<0.01
167860	Rock	0.8	16	75	11	7	2	<1	<0.01	0.51	0.63	0.64	0.08	0.24	0.01	0.01
167861	Rock	0.8	134	260	<2	6	<1	<1	0.01	0.64	0.32	11.05	0.08	0.10	0.01	<0.01
167862	Rock	2.3	33	111	11	18	1	<1	<0.01	0.51	0.60	1.60	0.13	0.17	0.02	<0.01
167863	No Sample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
167864	Rock	0.8	50	173	11	17	<1	1	<0.01	0.75	0.88	2.53	0.22	0.16	0.02	0.01

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
167865	Rock	2.2	13	62	12	7	2	<1	<0.01	0.44	0.44	0.88	0.07	0.27	0.02	0.01
167866	Rock	1.5	55	185	5	9	<1	<1	<0.01	1.04	0.53	5.06	0.17	0.19	0.01	0.01
167867	Rock	3.3	16	63	8	5	2	<1	<0.01	0.42	0.28	0.88	0.08	0.21	0.02	<0.01
167868	Rock	2.2	63	217	<2	2	<1	<1	<0.01	0.15	0.14	7.42	0.01	0.01	0.01	<0.01
167869	Rock	0.6	30	205	<2	5	<1	<1	<0.01	0.09	0.50	12.00	0.01	0.01	0.01	<0.01
167870	Pulp	--	63	142	2	25	5	<1	0.01	0.39	0.27	4.37	0.14	0.18	0.02	0.02
167871	Rock	2.2	14	121	<2	1	<1	<1	<0.01	0.03	0.12	3.42	<0.01	<0.01	<0.01	<0.01
167872	Rock	3.3	90	304	<2	4	<1	<1	<0.01	0.20	0.18	13.09	0.02	0.01	0.01	<0.01
167873	Rock	1.0	8	82	<2	<1	<1	<1	<0.01	0.25	0.02	2.21	0.02	0.05	0.01	<0.01
167874	Rock	2.4	20	90	<2	<1	<1	<1	<0.01	0.14	0.12	1.98	0.02	0.01	<0.01	<0.01
167875	Rock	2.5	3	31	<2	<1	<1	<1	<0.01	0.15	0.05	0.34	0.01	0.12	0.01	<0.01
167876	Rock	1.5	15	121	<2	3	<1	<1	<0.01	0.35	0.18	1.71	0.03	0.08	0.01	<0.01
167877	Rock	0.8	13	131	<2	3	<1	<1	<0.01	0.40	0.17	2.34	0.04	0.08	0.01	<0.01
167878	Rock	2.7	20	112	5	6	<1	<1	<0.01	0.40	0.32	1.83	0.07	0.11	0.01	<0.01
167879	Rock	2.7	6	62	3	3	3	<1	<0.01	0.38	0.13	1.39	0.02	0.22	0.01	<0.01
167880	Rock	1.6	14	75	<2	4	<1	<1	<0.01	0.18	0.25	1.41	0.02	0.06	0.01	<0.01
167881	Rock	4.3	6	55	6	8	1	<1	<0.01	0.28	0.37	0.87	0.04	0.17	0.01	<0.01
167882	Rock	4.1	8	65	4	13	1	<1	<0.01	0.26	0.35	0.52	0.05	0.17	0.02	<0.01
167883	Rock	3.9	7	60	4	7	<1	<1	<0.01	0.20	0.34	0.50	0.04	0.12	0.01	<0.01
167884	Pulp	--	77	358	23	31	6	1	0.10	1.16	0.68	2.35	0.59	0.09	0.08	0.05
167885	Rock	0.8	6	93	<2	<1	<1	<1	<0.01	0.33	0.02	4.27	0.03	0.05	0.01	<0.01
167886	Rock	0.7	11	188	12	21	<1	<1	<0.01	0.30	1.09	0.66	0.13	0.16	0.02	0.02
167887	Rock	1.1	3	420	<2	81	<1	<1	<0.01	0.10	2.77	6.02	0.04	0.09	0.01	<0.01
167888	Rock	2.6	8	348	15	32	<1	<1	<0.01	0.33	1.35	0.84	0.08	0.23	0.02	0.01
167889	Rock	2.6	14	200	11	11	<1	<1	0.01	0.48	0.39	1.18	0.12	0.19	0.03	0.01
167890	Rock	2.7	19	172	18	9	<1	<1	<0.01	0.40	0.45	0.99	0.19	0.15	0.03	0.02
167891	Pulp	--	58	3765	11	24	3	<1	0.04	0.66	0.46	8.13	0.46	0.11	0.04	0.03
167892	Rock	2.9	18	223	18	10	<1	<1	<0.01	0.39	0.65	0.96	0.18	0.16	0.03	0.01
167893	Rock	1.9	3	49	<2	3	<1	<1	<0.01	0.10	0.21	0.95	0.01	0.08	0.01	<0.01
167894	Rock	2.3	9	65	<2	2	<1	<1	<0.01	0.09	0.20	1.15	0.02	0.05	0.01	<0.01
167895	Rock	1.8	16	37	<2	2	<1	<1	<0.01	0.05	0.10	1.17	0.01	0.02	0.01	<0.01
167896	Rock	1.8	8	93	12	17	1	<1	<0.01	0.20	0.44	0.71	0.06	0.14	0.04	<0.01
167897	Pulp	--	81	365	24	33	6	1	0.11	1.25	0.69	2.51	0.63	0.09	0.08	0.05
167898	Rock	1.4	6	89	14	2	<1	<1	<0.01	0.22	0.10	0.67	0.07	0.14	0.02	<0.01
167899	Rock	1.4	7	92	4	13	<1	<1	<0.01	0.28	0.47	3.03	0.06	0.21	0.03	<0.01
167900	Rock	4.5	28	162	14	10	<1	<1	0.05	0.48	0.48	1.43	0.20	0.17	0.07	0.02
167901	Rock	3.9	3	29	<2	<1	<1	<1	<0.01	0.03	0.04	2.68	0.01	0.02	0.01	<0.01
167902	Rock	2.6	16	188	10	12	<1	<1	0.02	0.58	0.63	0.76	0.14	0.19	0.07	0.01
167903	Rock	3.4	15	206	11	9	<1	<1	0.01	0.48	0.49	0.85	0.12	0.19	0.05	0.01
167904	Pulp	--	76	150	3	31	6	<1	0.02	0.46	0.29	4.66	0.15	0.21	0.02	0.02
167905	Rock	1.5	11	117	10	15	<1	<1	<0.01	0.26	0.49	1.28	0.12	0.12	0.03	<0.01
167906	Rock	1.0	18	197	5	28	<1	<1	<0.01	0.41	1.15	3.10	0.13	0.21	0.03	0.01
167907	Rock	1.4	4	55	<2	4	<1	<1	<0.01	0.09	0.29	1.71	0.02	0.05	0.01	<0.01
167908	Rock	3.5	4	42	2	3	<1	<1	<0.01	0.06	0.13	0.35	0.01	0.04	0.01	<0.01
167909	Rock	1.0	25	66	<2	2	<1	<1	<0.01	0.05	0.15	2.70	0.01	0.01	0.01	<0.01
167910	Rock	2.6	7	47	3	5	<1	<1	<0.01	0.10	0.14	0.38	0.03	0.07	0.02	<0.01
167911	Rock	1.6	4	43	4	4	<1	<1	<0.01	0.09	0.13	0.29	0.03	0.06	0.01	<0.01
167912	Rock	4.3	9	71	14	6	1	<1	<0.01	0.24	0.35	0.44	0.05	0.17	0.03	<0.01
167913	Pulp	--	82	375	24	34	6	1	0.11	1.23	0.75	2.44	0.59	0.09	0.08	0.05
167914	Rock	2.3	4	38	5	<1	<1	<1	<0.01	0.23	0.02	0.85	0.03	0.13	0.01	<0.01
167915	Rock	2.3	5	51	3	<1	<1	<1	<0.01	0.19	0.06	1.51	0.03	0.08	0.01	<0.01
167916	Rock	2.0	6	73	9	2	<1	<1	<0.01	0.36	0.19	1.10	0.05	0.18	0.01	0.01
167917	Rock	1.9	18	99	<2	<1	<1	<1	<0.01	0.15	0.02	3.49	0.02	0.02	0.01	<0.01
167918	Rock	3.0	8	197	8	8	<1	<1	<0.01	0.37	0.50	0.77	0.08	0.17	0.03	0.01
167919	Rock	1.8	10	145	11	14	<1	<1	<0.01	0.29	0.64	0.72	0.09	0.17	0.03	0.01
167920	Pulp	--	67	151	3	27	6	<1	0.02	0.41	0.28	4.81	0.15	0.20	0.02	0.02
167921	Rock	1.6	5	99	<2	7	<1	<1	<0.01	0.13	0.61	2.37	0.03	0.05	0.01	<0.01
167922	Rock	1.9	2	60	<2	<1	<1	<1	<0.01	0.07	0.01	3.91	0.01	0.01	0.01	<0.01
167923	Rock	0.6	2	32	<2	<1	<1	<1	<0.01	0.07	0.01	0.63	0.01	0.02	0.01	<0.01
167924	Rock	1.0	3	44	<2	<1	<1	<1	<0.01	0.08	0.01	1.13	0.01	0.04	0.01	<0.01
167925	Rock	1.3	4	58	6	6	<1	<1	<0.01	0.18	0.27	0.37	0.03	0.11	0.01	<0.01
167926	Rock	1.8	3	26	<2	<1	<1	<1	<0.01	0.02	0.04	0.40	<0.01	0.01	<0.01	<0.01
167927	Rock	1.1	1	23	<2	<1	<1	<1	<0.01	0.03	0.04	0.33	<0.01	0.02	0.01	<0.01
167928	Rock	2.2	4	36	<2	2	<1	<1	<0.01	0.06	0.18	0.43	0.01	0.05	0.01	<0.01
167929	Rock	1.5	8	194	15	13	<1	<1	<0.01	0.31	1.00	0.45	0.08	0.16	0.02	0.01
167930	Pulp	--	77	363	24	31	6	1	0.11	1.21	0.73	2.40	0.62	0.09	0.07	0.05
167931	Rock	1.3	103	341	32	14	<1	1	0.12	1.80	1.18	3.71	0.96	0.55	0.14	0.05
167932	Rock	1.4	153	724	50	36	<1	<1	0.22	2.69	0.94	3.48	1.36	1.39	0.23	0.07
167933	Rock	2.1	166	513	47	106	<1	3	0.13	2.18	1.35	4.45	1.28	0.55	0.10	0.07
167934	Rock	2.0	160	535	31	71	<1	2	0.12	1.91	1.16	7.56	1.01	0.57	0.06	0.06
167935	Rock	0.4	154	702	144	39	<1	<1	0.19	3.22	1.19	3.87	1.59	1.31	0.21	0.06
167936	Rock	0.7	101	316	27	52	<1	3	0.06	1.35	0.94	2.91	0.70	0.39	0.05	0.06
167937	Pulp	--	75	146	<2	26	6	<1	0.02	0.44	0.29	4.60	0.15	0.20	0.02	0.02

Minimum detection		0.1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection		9999	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method		Spec	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Sample Name	SampleType	Wt	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		Kg	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
167938	Rock	0.9	183	304	<2	7	<1	<1	0.02	0.82	0.22	12.41	0.21	0.03	0.01	<0.01
167939	Rock	3.9	12	78	16	20	1	<1	<0.01	0.89	1.09	0.50	0.04	0.17	0.01	<0.01
167940	Rock	3.0	10	152	18	12	1	<1	<0.01	0.39	0.44	0.59	0.08	0.16	0.03	<0.01
167941	Rock	2.2	25	78	13	6	<1	<1	<0.01	0.33	0.26	1.18	0.09	0.15	0.02	<0.01
167942	Rock	1.6	9	51	6	2	<1	<1	<0.01	0.32	0.10	1.47	0.03	0.19	0.02	<0.01
167943	Rock	2.3	10	104	17	7	<1	<1	<0.01	0.31	0.41	0.84	0.08	0.14	0.04	<0.01
167944	Pulp	--	86	392	27	36	7	1	0.13	1.40	0.79	2.68	0.62	0.10	0.08	0.05
167945	Rock	3.0	7	62	5	3	<1	<1	<0.01	0.28	0.13	2.14	0.05	0.17	0.02	0.01
167946	Rock	2.4	14	170	10	8	<1	<1	0.01	0.55	0.46	0.72	0.13	0.17	0.05	0.02
167947	Rock	1.5	7	188	8	8	<1	<1	<0.01	0.33	0.62	0.94	0.05	0.22	0.02	0.01
167948	Rock	0.7	7	80	<2	2	<1	<1	<0.01	0.18	1.13	1.48	0.01	0.03	0.01	<0.01
167949	Rock	1.8	6	44	<2	1	<1	<1	<0.01	0.15	0.03	0.62	0.01	0.06	0.01	<0.01
167950	Rock	2.2	3	86	<2	2	<1	<1	<0.01	0.18	0.16	5.75	0.02	0.05	0.01	<0.01
167951	Pulp	--	81	153	3	28	7	<1	0.02	0.49	0.29	4.63	0.16	0.22	0.02	0.02
167952	Rock	1.5	4	45	<2	<1	<1	<1	<0.01	0.07	0.06	3.02	0.01	0.02	0.01	<0.01
167953	Rock	2.8	7	257	11	16	<1	<1	<0.01	0.37	0.74	0.61	0.06	0.21	0.02	0.01
167954	Pulp	--	84	395	25	35	6	1	0.13	1.36	0.78	2.63	0.61	0.10	0.09	0.05
167955	Rock	1.3	108	586	49	45	<1	1	0.06	1.95	3.27	3.35	1.15	0.46	0.03	0.07
167956	Rock	2.8	99	829	44	48	<1	1	0.07	2.00	2.64	3.12	1.09	0.50	0.07	0.07
167957	Rock	2.5	11	198	15	14	1	<1	<0.01	0.42	0.46	0.78	0.12	0.20	0.03	<0.01
167958	Rock	1.2	9	261	11	8	<1	<1	<0.01	0.37	0.77	0.96	0.07	0.21	0.02	<0.01
167959	Rock	1.0	8	214	12	8	1	<1	<0.01	0.46	0.56	0.86	0.06	0.26	0.03	0.01
167960	Rock	1.7	4	94	11	31	1	<1	<0.01	0.34	0.38	0.65	0.03	0.22	0.01	0.02
167961	Pulp	--	79	153	2	27	7	<1	0.02	0.48	0.29	4.92	0.16	0.22	0.02	0.02
167962	Rock	1.1	7	178	11	7	1	<1	<0.01	0.36	0.56	0.91	0.06	0.22	0.02	0.02
167963	Rock	0.6	<1	78	<2	3	<1	<1	<0.01	0.24	0.21	7.39	0.02	0.14	0.01	0.01
167964	Rock	1.7	12	128	13	8	1	<1	<0.01	0.45	0.38	0.95	0.12	0.22	0.03	0.01
167965	Rock	0.5	1	65	<2	1	<1	<1	<0.01	0.14	0.12	4.56	0.02	0.09	0.01	0.01
167966	Rock	1.5	9	193	11	9	1	<1	<0.01	0.39	0.59	1.28	0.08	0.19	0.02	0.02
167967	Rock	1.1	8	88	12	5	<1	<1	<0.01	0.34	0.39	1.07	0.08	0.17	0.02	0.01
167968	Rock	0.7	9	87	12	7	<1	<1	<0.01	0.34	0.40	0.93	0.08	0.17	0.02	0.02
167969	Rock	1.1	11	188	14	16	1	<1	<0.01	0.37	0.51	0.99	0.14	0.14	0.04	0.01
167970	Rock	1.3	15	308	10	11	1	<1	0.01	0.48	0.63	1.81	0.13	0.20	0.04	0.02
167971	Rock	1.8	15	217	11	52	<1	<1	0.03	0.61	0.47	0.87	0.13	0.15	0.06	0.01
167972	Rock	1.4	12	222	11	54	<1	<1	0.01	0.46	0.56	0.86	0.09	0.17	0.04	0.01
167973	Rock	1.9	7	195	12	13	<1	<1	<0.01	0.47	1.63	0.82	0.05	0.19	0.02	0.01
167974	Rock	1.2	17	228	16	13	<1	<1	0.01	0.48	0.90	0.95	0.14	0.15	0.04	0.01
167975	Pulp	--	78	357	22	32	6	1	0.11	1.17	0.70	2.37	0.56	0.09	0.08	0.05
167976	Rock	1.9	99	257	27	86	<1	1	0.09	1.28	1.23	2.49	0.74	0.21	0.09	0.05
167977	Rock	2.6	134	588	34	53	<1	2	0.14	1.99	0.99	3.87	0.92	0.61	0.17	0.07
167978	Rock	4.2	67	226	22	12	<1	1	0.03	0.93	0.85	2.46	0.49	0.16	0.03	0.04
167979	Rock	2.3	48	104	<2	1	<1	<1	<0.01	0.13	0.09	5.78	0.02	0.01	0.01	<0.01
167980	Rock	2.1	104	168	<2	<1	<1	<1	0.01	0.20	0.06	9.68	0.02	0.03	0.01	0.01
167981	Rock	4.7	5	56	10	6	1	<1	<0.01	0.21	0.21	0.43	0.02	0.14	0.01	<0.01
167982	Pulp	--	75	151	3	26	6	<1	0.02	0.45	0.29	4.62	0.15	0.21	0.02	0.02
167983	Rock	2.9	7	68	8	10	1	<1	<0.01	0.24	0.29	0.82	0.04	0.15	0.02	<0.01
167984	Rock	2.7	9	97	3	4	<1	<1	<0.01	0.40	0.25	4.03	0.04	0.21	0.02	<0.01
RE 167811	Repeat	--	5	33	<2	2	<1	<1	<0.01	0.06	0.06	2.35	0.01	0.02	0.01	<0.01
RE 167830	Repeat	--	38	170	<2	2	<1	<1	<0.01	0.11	0.04	4.53	0.01	0.02	0.01	<0.01
RE 167850	Repeat	--	19	107	11	10	<1	<1	<0.01	0.34	0.34	1.39	0.12	0.14	0.03	<0.01
RE 167869	Repeat	--	32	205	<2	5	<1	<1	<0.01	0.09	0.50	12.01	0.01	0.01	0.01	<0.01
RE 167889	Repeat	--	13	198	11	11	<1	<1	0.01	0.48	0.39	1.18	0.11	0.18	0.03	0.01
RE 167908	Repeat	--	4	43	2	3	<1	<1	<0.01	0.06	0.13	0.35	0.01	0.04	0.01	<0.01
RE 167928	Repeat	--	5	37	<2	2	<1	<1	<0.01	0.07	0.18	0.43	0.01	0.05	0.01	<0.01
RE 167947	Repeat	--	7	190	9	8	<1	<1	<0.01	0.33	0.62	0.94	0.05	0.22	0.02	0.01
RE 167967	Repeat	--	8	87	13	6	<1	<1	<0.01	0.34	0.39	1.07	0.08	0.17	0.02	0.01
Blank iPL	Blk iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

** Values highlighted (in yellow) are over the high detection limit for the corre*

APPENDIX E

SELECTED HISTORIC

DIAMOND DRILL INTERSECTIONS,

DEER HORN PROPERTY

HOLE #	From (m)	To (m)	Interval (m)	Gold (g/t)	Silver (g/t)	Other (%)
89-02	2.47	45.00	42.53	2.88	84.7	
89-03	3.60	52.80	49.20	1.82	48.2	
89-04	18.60	24.00	5.40	2.72	51.9	
89-05	18.60	21.05	2.45	5.93	131.4	
89-06	21.80	32.60	10.80	5.66	84.2	
89-07	33.00	33.30	0.30	93.50	1480.1	
89-08	31.70	33.20	1.50	8.44	195.0	
89-08	38.30	38.90	0.60	29.04	388.1	
89-09	24.80	33.60	8.80	1.85	15.9	
89-09	65.30	69.90	4.60	1.38	19.8	
89-11	36.00	43.50	7.50	2.24	44.3	
89-18	28.50	36.50	8.00	4.61	34.1	
89-23	36.80	41.10	4.30	2.20	24.7	
89-25	26.75	45.25	18.50	1.78	78.4	
89-26	25.20	26.20	1.00	6.24	225.5	0.18% Cu, 0.48% Zn
89-27	65.30	65.60	0.30	12.95	660.0	
89-29	26.50	29.60	3.10	1.45	67.2	0.46% Cu, 1.12% Zn
89-29	36.80	45.40	8.60	1.24	41.5	0.19% Cu, 0.21% Zn
89-30	21.00	32.90	11.90	0.91	42.5	0.29% Cu, 0.73%Zn
89-30	49.50	51.80	2.30	3.16	161.6	
89-31	24.30	27.60	3.30	2.15	76.7	0.24% Cu, 0.86% Zn
90-35	14.00	14.90	0.90	1.61	52.1	
and	40.70	41.00	0.30	52.60	272.0	
and	50.10	51.40	1.30	5.96	138.5	
90-36	34.00	38.80	4.80	4.97	163.0	
and	79.40	86.80	7.40	1.14	36.5	
90-38	33.90	36.30	2.40	8.33	243.1	
90-40	36.20	43.80	7.60	4.84	175.7	
and	47.20	51.10	2.90	3.74	135.6	
90-41	36.60	44.30	7.70	2.87	48.3	
and	49.70	52.70	3.00	1.42	61.3	
90-42	33.50	38.00	4.50	2.32	35.2	
and	58.70	63.60	4.90	12.68	267.1	
and	72.20	74.60	2.40	3.30	114.5	
90-44	35.00	36.50	1.50	4.91	44.0	
90-45	26.00	26.60	0.60	8.35	222.0	
and	36.50	39.30	2.80	16.60	305.3	
90-48	38.30	39.60	1.30	1.67	38.0	
and	44.00	45.40	1.40	2.60	42.0	
90-51	3.10	4.50	1.40	2.11	41.2	
90-52	29.10	38.40	9.30	1.63	69.6	
and	48.40	49.90	1.50	1.86	52.5	
90-53	34.90	38.40	3.50	4.22	226.2	
and	48.00	50.10	2.10	4.53	101.2	
90-54	48.70	49.80	1.10	6.34	290.0	
and	56.90	58.20	1.30	8.11	370.0	
90-55	48.30	52.00	3.70	4.19	260.2	
and	63.10	63.20	0.10	31.20	1715.0	

HOLE #	From (m)	To (m)	Interval (m)	Gold (g/t)	Silver (g/t)	Other (%)
90-56	55.30	55.80	0.50	26.70	820.0	
90-57	30.80	41.30	10.50	2.13	85.2	
90-57	44.10	55.30	11.20	14.36	781.5	0.40% Cu, 0.24% Pb, 1.02% Zn
including	48.80	51.80	3.00	37.73	2065.0	
and	65.40	66.90	1.50			0.34% W
90-58	28.70	30.00	1.30	4.88	213.0	
and	41.10	41.80	0.70	9.40	309.0	
and	46.10	50.30	4.20	3.92	143.6	
and	55.70	57.20	1.50	4.29	160.0	
90-60	33.50	35.60	2.10	4.70	134.7	
and	38.00	38.90	0.90	1.40	62.0	

APPENDIX F

COMPILATION MAP, DEER HORN PROPERTY

(IN POCKET)


N
S
W
E
IKS
IKSw
Td
Md
Core Shack
Heli Pad
Camp
Golden Odyssey Mining Inc.
Deer Horn Property
2009 Compilation
Channel
Chip
Grab
2009 Drillhole
Historical Drillhole
Camp
Core Shack
Heli Pad
Bedding
Foliation
2009 Drillhole Trace
Geological Contact
Mafic Dyke
Thrust (Contact Zone)
Fault
Roads
Streams_LidarDig&Trim
Contour Line, Minor
Contour Line, Major
Underground Workings
Main Vein
20k Mapsheets: 93E034
Date: April 21, 2010
Projection: UTM10N, NAD83
Scale: 1:1 000
Path: ..\09-PX-0095\11GIS\
DeerHornProperty2009Compilation_D
Drawn By: TK
Checked By: BL
ALLNORTH
CONSULTANTS LIMITED
Stratified Rocks
Lower Cretaceous
IKS Siltstone
IKSw Feldspathic wacke
Intrusive Rocks
Tertiary
Td Felsic Dykes
Lower Cretaceous/Tertiary
KTg Granodiorite
Pre-Jurassic
Md Foliated Quartz Diorite
0 12.5 25 50 75 100 Meters