

Report on 2010 Drilling - Davie Prospect, Sulphide Creek, EL43/2004



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Summary

During January and February 2010, Shree Minerals Ltd. drilled two diamond drill holes (SCDDH4 & 5; totalling 391m) targeting stockwork gold mineralisation at the Davie Prospect, within EL43/2004 (Sulphide Creek). Drilling by Zelos in 2005 intersected extensive low grade stockwork gold mineralisation; 101 m @ 0.35 g/t gold including a 1 m intercept @ 1.05 g/t gold.

Recent drilling aimed to define the extent of gold mineralisation approximately 80m northwest of the 2005 drilling. Two angle holes (-60° and -85°) were drilled, totalling 391m. The rationale for drilling angled holes was to define gold mineralisation covering a significant block extending to depth greater than 150 m. Extensive iron oxidised quartz stockwork carrying gold mineralisation was intersected from surface in both holes, the mineralisation was strong in the hangingwalls of two significant faults.

In SCDDH4, the hangingwall and upper fault included an intersection of 3m @ 1.26 g/t Au from 31.5m, whilst strong stockwork mineralisation extending from 94m down to the lower fault zone contained several low tenor ($<0.5\text{g/t}$) Au intervals. In SCDDH5, the hangingwall and upper fault returned 14m @ 0.52g/t Au from 37 to 51m. Further down hole, a broad intersection of 53m @ 0.33g/t Au extended from 147m and included 3m @ 1.29g/t Au from 164m. The upper Au anomalous zone is possibly up to 20m thick, whilst inference from sectional interpretation indicates that the lower zone could be up to 60m in true thickness.

Limited rock chip sampling (Number = 11) was undertaken during the drilling program. Results were disappointing with only two samples returning Au values above detection (Max 0.02ppm Au). A key focus was to channel sample a 7m long adit, located at the south eastern end of the principal Au in soil anomaly. Analytical results were disappointing returning a maximum of 0.01ppm Au, whereas historically workings at the Davie prospect have returned up to 14g/t Au from rock analysis.

Introduction

The following report details exploration work undertaken during 2010 at the Davie Prospect (EL43/2004), located ~10km west of Queenstown, Tasmania (Figure 1). Here, an access track and new drill pad were constructed immediately pre Christmas 2009, with helicopter mobilisation of the drill rig and associated equipment following on the 12th January, 2010. The first drill hole (SCDDH4) commenced on 14th January. Helicopter demobilisation occurred on the 25/2/2010, following completion of drill hole SCDDH5 on 24/2/2010.

Analysis of the geology, structure, geochemistry and mineralisation at Davie was undertaken, utilising detailed drill core logging, limited geological mapping and compilation and analysis of the existing data. Results of the drilling and updates on the geological understanding of the Davie Prospect are detailed. Further digital data compilation, including a full compilation of geological mapping and related detail, is required to assess both the local Davie Prospect and the broader exploration potential of the tenement.



Figure 1: Location of Sulphide Creek, EL43/2004

Geology and Geochemistry

The Davie Anomaly is located within siliceous sandstone and siltstone of the Ordovician-aged Rinadeena Formation, which lies in faulted contact with fine to medium-grained quartz sandstone of the Siluro-Devonian-aged Crotty Quartzite. The Harvey Creek and Harris Faults are two significant NNW aligned structures separating these units and intersecting in the prospect vicinity. The geology of the Davie Prospect is summarised in Reid (2001). Further notes follow from recent investigation. A revised geological compilation is still required to obtain a better understanding of the prospect.

In drill core, the dominant lithology is fine grained sandstone with slightly lesser medium grained sandstone and minor coarse grained sandstone. Variable chromite as grains to ~2mm is most common in the coarser grained lithologies (eg. in subcrop immediately NW of the SCDDH4 drill pad as well as ~100m down slope to the SW). The relatively higher porosity of the later also appears to favour the presence of stronger pervasive silica being evident. The fine grained sandstone locally bears relict thin bedding and locally thin siltstone interbeds to ~20cm. Interpretation from long core axis angles in drill holes suggests that bedding dips steeply SW, in accord with observation to the west in outcrop (eg. $185^{\circ}/63^{\circ}W$ & $355^{\circ}/75^{\circ}W$) and road cuttings ($195^{\circ}/80^{\circ}W$).

An adit was located on the FeOxidised spur at a cliff base near the SE end of the gold in soil anomaly and approximately 65m south of the SCDDH2 collar (Figure 2). Between these, some 30m NNE of the adit is a 280° aligned 1m wide sharp spur. Ferruginous outcrop over 0.5m here forms moderate intensity (~15%+) iron oxidised (Limonitic) veins, aligned $270^{\circ}/88^{\circ}W$ dip. A foliated zone and FeO veining orientated at $340^{\circ}/88^{\circ}W$ is driven on for ~4m by the adit. The adit then turns from 305° to 260° for a further 4m, intersecting FeO veined foliation orientated $275^{\circ}/74^{\circ}W$.

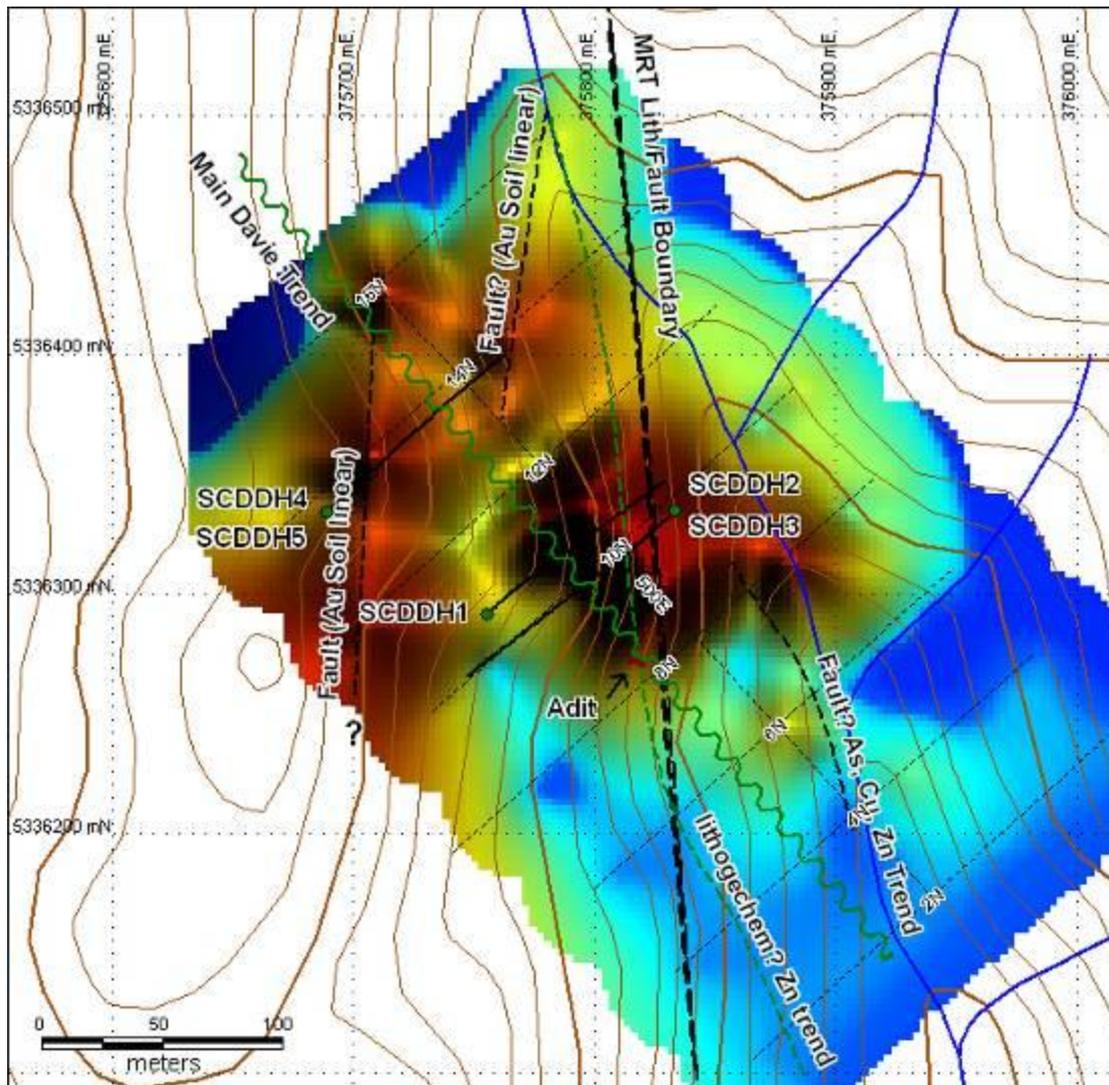


Figure 2: Davie Prospect Interpretation showing drill holes over gridded Au in Soil (AGD66, Zone 55).

A pronounced spur extends down slope to the SE of the adit, where it and Au anomalism apparently terminates against the weakly Zn-Pb-As (in soil) mineralised Harvey Creek Fault, which likely lies on the western creek bank. The latter area lies at the intersection of a pronounced gully from the NE (fault?), as well as two converging weak gullies from the SW side. One gully apparently forming adjacent to the SW margin of the mapped mineralised cliffs / spur, whilst the creek locally diverts along the NE side of the spur. Potential for fault offset Au mineralisation on the eastern (footwall) side of the Harvey Creek Fault remains undetermined.

An unsuccessful attempt was made to locate an unnamed Gold prospect, proximal to the NW of the Davie Grid. However, quartz vein (~5%) bearing scree / eluvium was located up slope of the "Unnamed" prospects plotted location.



Photo 1: Iron oxidised stockwork veining near the Davie Adit (<math><0.01\text{g/t Au}</math>).



Photo 2: Typical stockwork veining in SCDDH5 @ ~165m (3m @ 1.29g/t Au from 164m; Table 2).

Medium to coarse grained sandstone, that notably bears disseminated chromite grains to several millimetres, is evident in subcrop immediately NW of the SCDDH4 drill pad as well as ~100m down slope to the SW. Here weak to moderate intensity pervasive silicification destroys protolith sandstone textures within weakly quartz veined coarse-grained float to small boulder size.

Mineralisation and Alteration

Gold mineralisation associated with iron oxide veining and pervasive silicification appears to be principally developed in the immediate hangingwall to the two major faults at the Davie Prospect.

Principal alteration styles identified from macroscopic rock and drill core investigation include:-

- ◆ Pervasive silicification (mostly of weak intensity)
- ◆ Semi-pervasive and veined cream coloured silica (+/-carbonate /calc-silicate?)
- ◆ Sericite veining / foliation (+/- fine-grained pyrite?)
- ◆ Quartz +/- FeO stockwork, locally bearing semi – pervasive silica – FeO vein selvages
- ◆ Quartz veining

Pervasive silicification is commonly evident destroying protolith textures to varying degrees. This style is apparently best developed within coarser grained lithologies.

Semi-pervasive and veined silica – carbonate alteration is poorly identified at this stage (Petrology and XRD required). It's typically cream in colour and forms variably orientated, straight to irregular form vein stockwork that tends to semi-pervasive style in more strongly developed zones.

Sericite veining / foliation (+/- fine grained pyrite?) is evident in some of the stronger sericitic zones, locally forming / enveloping strong quartz development along what appears to be a structural foliation (potential similarities to Henty alteration marginal to the MQ are worth checking). Notably the sericitic foliation crosscuts FeO- quartz stockwork veining and another generation of quartz veining, however @130m in SCDDH4 grey quartz veining is offset by, but continuous through sericitic foliation suggesting these two generations may have been at least in part synchronous in formation. Sericite locally forms bands within fine grained sandstone that appear bedding-like; the origins of this form are unresolved in light of the other clearly structure related sericite form. The in part structural relationship for sericite is illustrated by puggy (minor) fault gouge at 30°LCA (130.5m SCDDH4) in an orientation similar to the sericitic bands/foliation/shear elsewhere (eg. 130m in SCDDH4).

FeO-quartz veins are often quartz dominated and locally vuggy in form, whereas some fractures/veins are simply FeO bearing. FeO-quartz veins in the upper portion of the SCDDH4

are relatively regularly spaced at similar $\sim 30^{\circ}$ LCA orientation, whereas down hole their orientation becomes more random appearing in “genuine” stockwork vein form. At depth in SCDDH4 & 5, fresh rock reveals Arsenopyrite as a significant component within quartz (+/- carbonate) veins and presumably weathers to the FeO-quartz-vein form. Both logged vein types are classed the same for drill section presentation purposes.

At least two quartz dominated vein generations are apparent; early and late. For example quartz only veins are noted to be offset by and predate FeO-quartz veining in SCDDH4 (@127.35m). Whilst, early quartz veins are also noted to be cross cut and offset by sericitic foliation @ 126.5m. A further quartz veinlet generation crosscuts the FeO bearing quartz stockwork. These veins are typically up to 3mm width and are commonly vuggy, bearing fine drusy quartz. Further vein paragenesis is illustrated at 129.4m where a grey/cream 3mm quartz vein crosscuts tan/crm FeO-carb? veinlets, both being xcut by sericitic microfaults.

Complex vein paragenesis is reflected in SCDDH2; @ 111.2m a 3cm milky quartz vein is crosscut by grey quartz+/-arsenopyrite veining, whilst at 114.9m milky quartz vein crosscuts earlier quartz - carbonate veining and at 131.2m grey quartz-pyrite-arsenopyrite veining crosscuts FeO-quartz-veining.

Structure

The Harvey Creek and Harris Faults are two significant NNW aligned structures mapped by MRT as intersecting immediately south of the prospect vicinity. Reid (2001) inferred that the Harvey Creek Fault forms the western bound of the siliceous sandstone and siltstone of the Ordovician-aged Rinadeena Formation, with the Harris Fault bounding to the west. This relationship remains to be resolved.

A significant fault (Harris or Harvey Creek Fault?) traverses \sim N to NNW along the eastern margin of the anomalous Gold in soil and rock chip at the Davie Prospect. This structure is an approximately 15m wide brittle fault zone comprising variable to large (to >2m) clasts within a largely clay matrix gouge breccia. Evidence of earlier more ductile strain in the form of weak foliation / shearing is locally evident. Broken core and brittle faulting extends up hole to the “Harvey Junior Fault”, which hosts Gold mineralisation. This fault is approximately 6 to 12m thick and trends N-S, on the basis of alignment of anomalous Au in soils (Figure 8). Long core axis angles from SCDDH4&5 indicate the Harvey Creek Fault and Harvey Creek Junior Fault have approximate dip of -65° SW.

The tectonic history of faulting at Davie is likely long lived, as demonstrated by both ductile and brittle related fabrics. A sericitic shear fabric is evident in both SCDDH4 & 5, forming a moderately steep SW dipping shear zone. Whilst brittle fault breccia, from 174.8 to 179.2m in SCDDH4, is annealed by cream silicate stockwork and semi-pervasive silica reflecting pre-alteration brittle deformation on the fault. Post mineralisation fault movement is evidenced by brecciated milky quartz veining within a fault zone in SCDDH4 (@ \sim 173.4m).

Geochemistry

Drill Core Geochemistry

Multi-element analysis was undertaken for previous drill holes (SCDDH1 to 3). Visual inspection of duplicates for Au indicates that results were repeatable. Analysis of correlation coefficients for this data reveals:-

Au correlates well with As and Cd (max only 7ppm!), but poorly with most other elements; notable a moderate negative correlation exists for Au and As with K and Mg. The latter presumably depleted during Au mineralisation. Hg was not analysed but potentially could be elevated with Cd.

Base metals all report low (max Cu = 150ppm, Pb 1800ppm & Zn 1800ppm).

Data was manipulated to determine various element ratios (Cu Ratio, Zn Ratio, Fe/Mn Ratio and Alteration Index) for plotting to potentially reveal lithological and alteration trends. Cu Ratio [$100\text{Cu}/(\text{Cu}+\text{Zn})$] was the only element showing a weak 0.54 correlation with Au. Notably Cu is high in soils within the known mineralised Au zone, However Cu : Au correlation is very poor, possibly suggesting that Cu mineralisation represents a different mineralisation generation/stage.

Soil Geochemistry

A series of gridded elements (Au, As, Cu, Zn & Pb) in soils are presented in Figures 3 to 7. These figures highlight a coincident Pb, Zn and As rich (un drill tested) zone located immediately south east of the peak Au in soil anomaly. The distribution of As, Zn and Cu in this vicinity is interpreted to mimic the location of a fault (Harris or Harvey Creek Fault?), whilst Pb extends into the fault hangingwall. Cu in soils is spatially coincident with Au in soils.

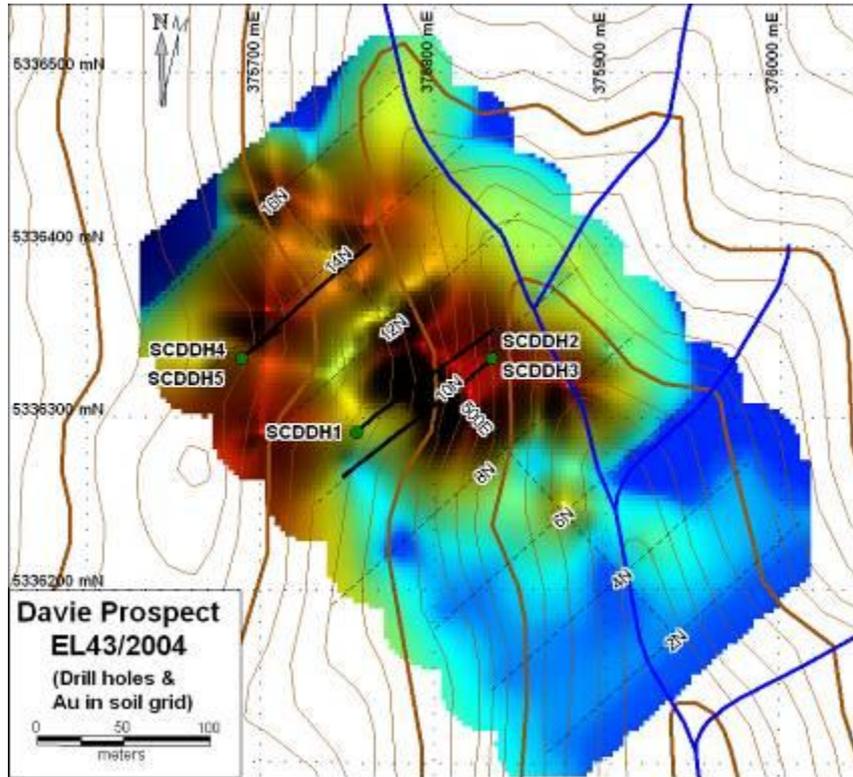


Figure 3: Davie Prospect plan view showing grid and drill hole locations over a gridded Gold in soils image (AGD66, Zone55).

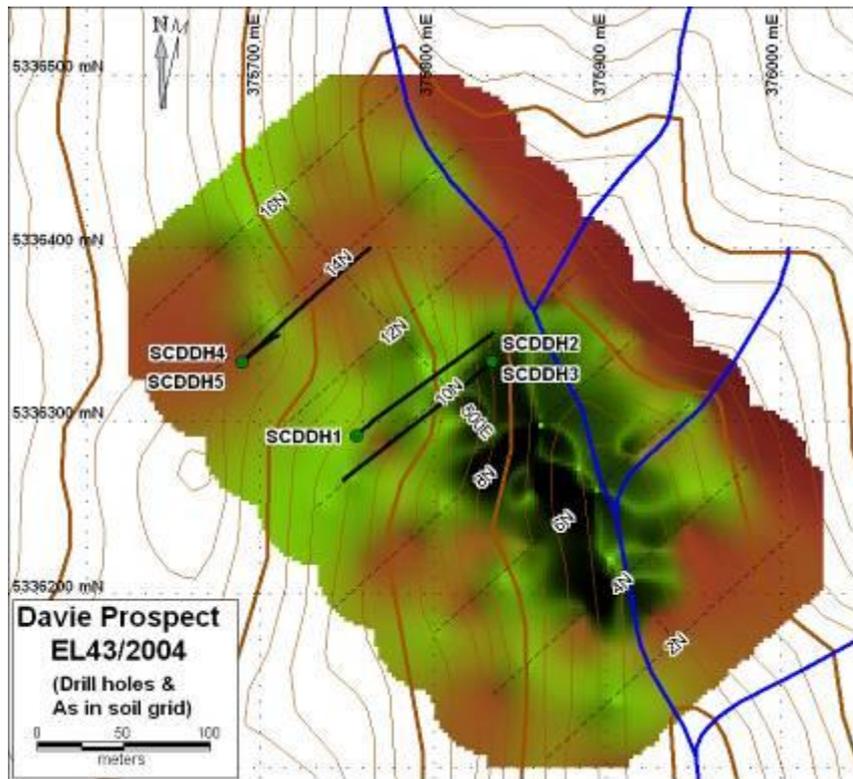


Figure 4: Davie Prospect plan view showing grid and drill hole locations over a gridded Arsenic in soils image (AGD66, Zone55).

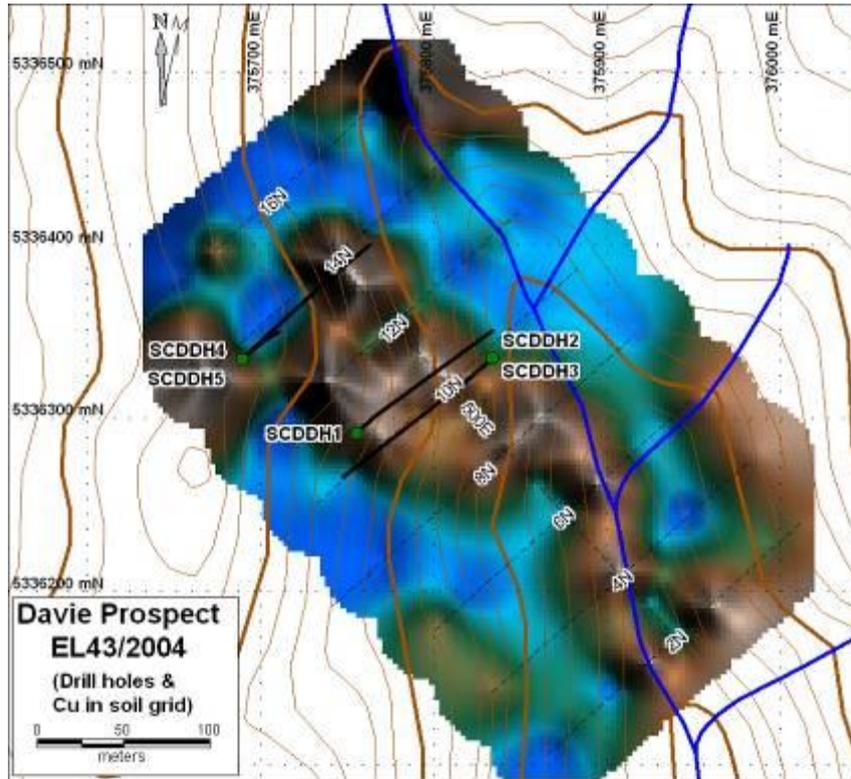


Figure 5: Davie Prospect plan view showing grid and drill hole locations over a gridded Copper in soils image (AGD66, Zone55).

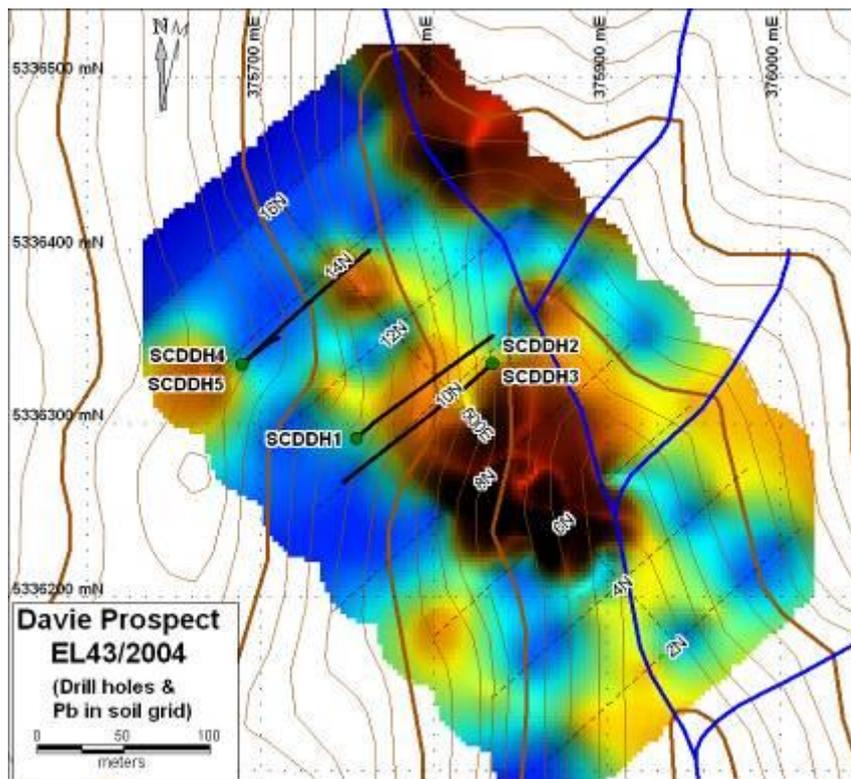


Figure 6: Davie Prospect plan view showing grid and drill hole locations over a gridded Lead in soils image (AGD66, Zone55).

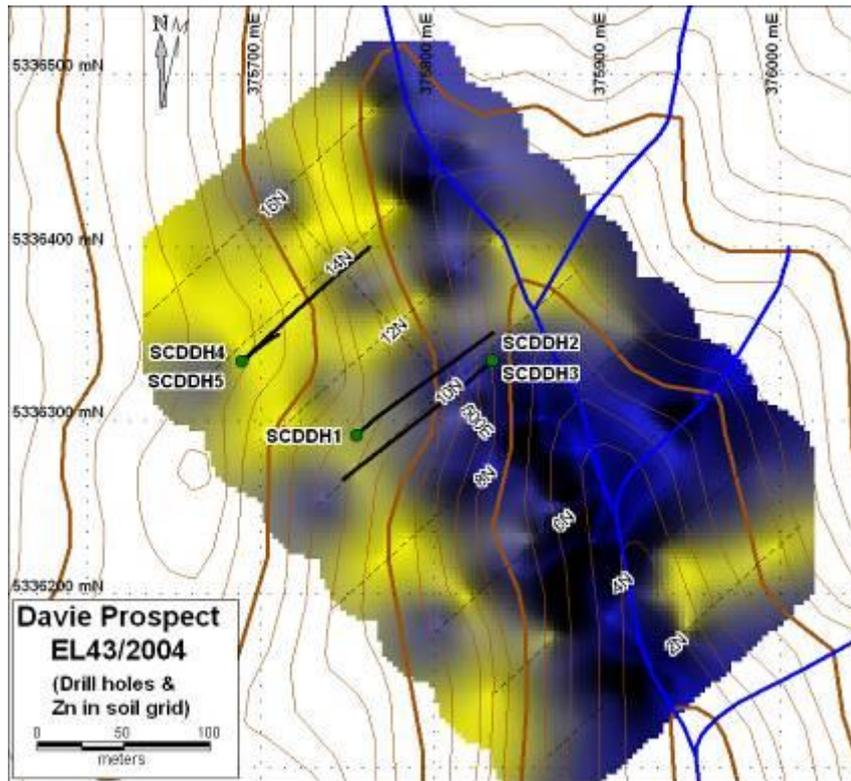


Figure 7: Davie Prospect plan view showing grid and drill hole locations over a gridded Zinc in soils image (AGD66, Zone55).

Work Conducted

The main field activity was drilling two drill holes (SCDDH4 & 5) for 391m from 12/1/2010 to 25/2/2010. Drill mobilisation was via helicopter from a nearby roadside open area. Water, as for the 2005 drilling, was pumped from a small pond adjacent the road. Due to the creeks restricted summer flow, water needed to be carted via truck daily to maintain the pond level. A new access track was cut from the roadside to the drill pads during December 2009.

Significant effort went into digital data compilation and analysis, allowing further / informed assessment of the prospect. Channel sampling of the Davie Prospect Adit and scattered rock chips (Number = 11) were collected.

Digital Data

Digital data compiled for the Davie Prospect includes drill collars, surveys etc, on ground waypoints and geology, rock & adit sampling and adit surveys as well as soil geochemical surveys from Reid (2001) and Harder (2006). This data and various other GIS data sets have been compiled to form a Mapinfo Workspace. Data utilised includes regional scale 1:25000 topography, roads and rivers, drill holes, rock and soil geochemistry and geology. Grid images were created for soil geochemical data.

Survey

The general prospect area was GPS surveyed to record various point locations, including geology, existing grid and track, as well as drill holes. The locations for the previously drilled SCDDH1 and SCDDH2&3 were confirmed in the field. Collar coordinates come from averaged GPS readings, with a likely accuracy of <5m. The grid was found to be relatively accurately placed, GPS readings being generally within ~4m of currently located grid points.

Drilling

Drilling was undertaken on section 14N, as -60 and -85° fanned holes (SCDDH4 & 5; Table ?) from a single pad on the ridge line west of the mineralisation. Both drill holes were capped with PVC pipe. Observations pertaining to geology, mineralisation and alteration are outlined in the geology section above.

Drilling 50m along strike either side of the existing holes on grid line 10N was initially planned. However suitable pad sites could not be prepared in a timely manner on the steep slopes in the drill holes planned vicinity. Thus a compromise pad (detailed above) located on a ridge 80m along strike NW of grid line 10N was utilised for two drill holes SCDDH4 & 5. The former location to the SE of section 10N, where elevated base metal is returned from soils, remains a valid target.

Hole_ID	Easting (AGD66)	Northing (AGD66)	RL (m)	Azimuth (True N)	Dip	Depth (m)	Date Commenced	Date Completed
SCDDH1	375756	5336293	326	48	-50	135.9	8/12/2005	16/12/2005
SCDDH2	375834	5336336	260	228	-45	145.5	23/01/2006	2/02/2006
SCDDH3	375834	5336336	260	228	-70	69	6/02/2006	15/02/2006
SCDDH4	375689.5	5336335.7	379.9	48	-60	190.9	14/01/2010	8/02/2010
SCDDH5	375689.4	5336335.6	379.9	48	-85	200	10/02/2010	24/02/2010

Table 1: Listing details for all Davie Prospect drilling; 2010 holes in bold.

SCDDH4

Drilling of SCDDH4 commenced on 14/1/2010 (Azimuth 48°TN, -60° dip; EOH 190.9m). This hole targets an extensive 100m+ wide (to 107ppb) Au soil anomaly near surface with 167 & 258ppb Au in rock lying further down slope. Drilling was suspended at 150.5m (22/1/2010) for approximately 1 week whilst rig repairs are undertaken. The drill rig drive spindle possibly broke entering the Harvey Creek Fault. This breakage was coincident with loss of water return, short runs and tightening of the hole, and is consistent with the inferred location of the Harvey Creek Fault (Figure 8). The hole terminated at 190.9m in the footwall of the Harvey Creek Fault.

Hole_ID	From (m)	To (m)	Interval Length (m)	Au (g/t)
SCDDH1	0	127.1	127.1	0.07
SCDDH1	24	101	77	0.11
SCDDH1	91	97.5	6.5	0.47
SCDDH1	96	97.5	1.5	1.08
SCDDH2	0	145.5	145.5	0.25
SCDDH2	44	145.5	101.5	0.35
SCDDH2	44	126	82	0.40
SCDDH2	44	62	18	0.57
SCDDH2	70	87	17	0.47
SCDDH2	119	124	5	0.72
SCDDH2	121	122	1	1.00
SCDDH4	0.00	190.50	190.5	0.11
SCDDH4	19.00	37.50	18.5	0.50
SCDDH4	25.00	34.50	9.5	0.66
SCDDH4	31.50	34.50	3	1.26
SCDDH4	97.00	101.00	4	0.26
SCDDH4	122.00	127.00	5	0.27
SCDDH4	135.00	137.00	2	0.44
SCDDH5	13.00	200.00	187	0.17
SCDDH5	19.00	54.00	35	0.32
SCDDH5	37.00	51.00	14	0.52
SCDDH5	74.00	78.00	4	0.34
SCDDH5	147.00	200.00	53	0.33
SCDDH5	159.00	169.00	10	0.83
SCDDH5	164.00	167.00	3	1.29
SCDDH5	181.00	183.00	2	0.60

Table 2: Various significant drill intersections, Davie Prospect; 2010 holes in bold.

Stringer FeO – quartz veining extends weakly from surface to ~81m down hole, but with a strong interval from 27 to ~34m which corresponds with a significant Au intersection of 3m @ 1.26 g/t Au from 31.5m (Table ?) located within the Harvey Junior Fault (Figure 8). The Au anomalous zone here is possibly up to 20m thick. Many of the veins in this upper portion of the hole are relatively regularly spaced at similar ~30°LCA orientation, whereas down hole their orientation becomes more random appearing in “genuine” stockwork vein form. Strong but erratic stockwork mineralisation was intersected from 94m to ~124m hole depth. This zone contained several low tenor (<0.5g/t) Au intervals (Table ?).

Fracture core angles at the start of and within the upper (Harvey Junior) Fault are perpendicular to core. This suggests a moderate SW dip for the fault and is in agreement

with the inferred dip for the Harvey Creek Fault further NE down slope. The latter is located from elevated base metal in soils, which logically corresponds with the creek area.

SCDDH5

SCDDH5 (Az50°TN, -85°; EOH 200m) commenced on 10/2/2010 and terminated at 200m on 24/2/2010.

The Harvey Junior Fault was intersected between ~57 and 78m, evident as strongly broken core with semi-consolidated fault breccias locally. The hangingwall to this fault returned 14m @ 0.52g/t Au from 37 to 51m. Further down hole, a broad intersection of 53m @ 0.33g/t Au extended from 147m and included 3m @ 1.29g/t Au from 164m (Table ?). This broad zone exhibits elevated FeO-quartz stockwork veining and pervasive silicification, with the strongest Au corresponding with the most intense veining. This relationship appears to hold in many cases, however some strong stockwork occurrences returned little Au. SCDDH5 terminated in weak Au mineralisation, short of intersecting the Harvey Creek Fault. A true thickness of ~40 to 60m for Au mineralisation is estimated from comparison to Section 10N.

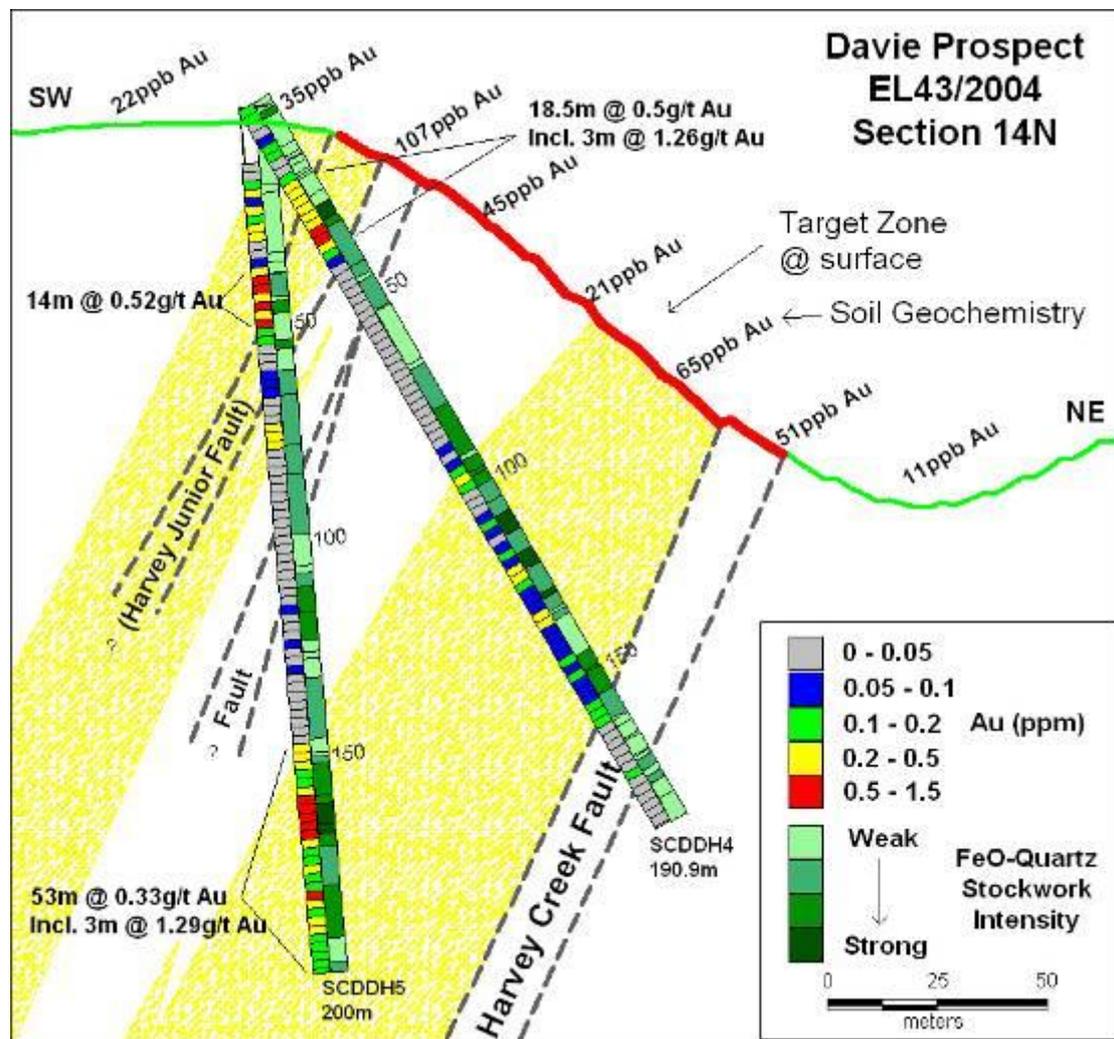


Figure 8: Davie Prospect Section 14N showing interpretation, down hole FeO-Quartz stockwork intensity with Gold analysis.

A cursory re-log of holes SCDDH1, 2 and 3 at the MRT core store was undertaken to gain geological insight and obtain geological descriptions consistent with those previously used. Initial interpretation is that drill hole SCDDH3 (to azimuth 228^oTN) appears to have drilled down dip on a fault, with SCDDH2 passing through this fault's hangingwall at an acute angle (see Section 10N in Figure 9), possibly enhancing / extending the mineralised intersection. Subsequent drilling has shown that Au mineralisation apparently thickens at depth.

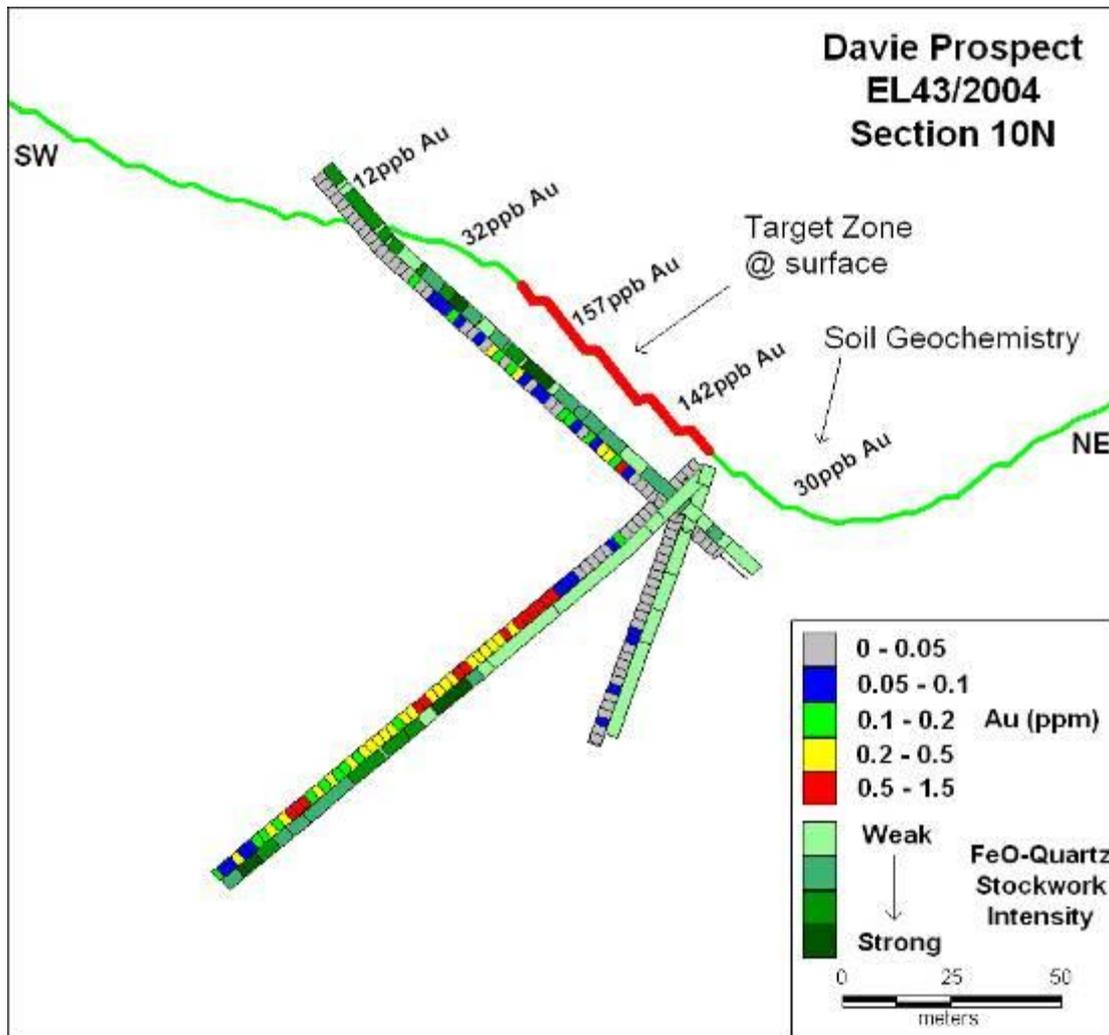


Figure 9: Davie Prospect Section 10N showing interpretation, down hole FeO-Quartz stockwork intensity with Gold analysis (to be updated)

Drill Core Sampling and Analysis

The entire core length for SCDDH4 was sampled, whereas SCDDH5 was sampled from ~15m given that the upper portion of the drill hole effectively repeats that in the former hole. Sampling was undertaken at 1m intervals through the strongest alteration, with mostly 2m

composites sampled outside these areas. Several 3m composites were sampled from zones of strongly broken core and poor recovery.

Samples were submitted to Burnie Research Laboratory. A total of 346 drill core samples were submitted, resulting in 251 analysis after compositing. A further 10 rock chip samples accompanied these and analysis for Au (detection limit 0.01ppm) was undertaken. Given the generally low abundance of most other metallic elements it was considered worthwhile to analyse for Au only at this stage, with sample pulps retained for subsequent analysis if warranted.

Rock Chip Sampling

Limited rock chip sampling (No = 11) was undertaken during the drilling program. A key focus was to test a 7m long adit, located at the south eastern end of the principal Au in soil anomaly. Results were disappointing with only two samples returning Au values above detection (Max 0.02ppm Au). Data is presented in Table ?.

Outcrop at the SCDDH1 drill pad was composite rock chip sampled over an interval of 8m. 0 to 5m comprised cream to grey silicified(w/m) with weakly fractured appearing similar rock bearing weak FeO from 5 to 8m. A weak foliation here is aligned 335/77W; parallel to the principal orientation of mineralisation at Davie. Au in sample 365201 was below the 0.01ppm detection limit, similar to in the top of the nearby SCDDH1.

An adit was located at a cliff base near the southeast end of the main gold in soil anomaly and approximately 65m south of the SCDDH2 collar (Figure 2). Between these points, some 30m NNE of the adit is a 280° aligned 1m wide sharp spur. Ferruginous outcrop bearing moderate intensity (~25%) iron oxidised veins (aligned 270°/88°W) was channel sampled over 0.5m (No. 365202) returning <0.01ppm Au. A foliated zone and FeO veining orientated at 340°/88°W is driven on for ~4m by the adit. The adit then turns from 305° to 260° for a further 4m, intersecting FeO veined foliation orientated 275°/74°W. The working was channel sampled at 1m intervals along the NE (0 - 3m; No's 365203 to 365205) and NW (3 - 7m; No's 365206 to 365209) walls. Sample 365203 (0 – 1m) returned 0.01ppm Au, with all other samples being below detection limit.

A traverse along the spur leading NW from the new SCDDH4 drill pad was undertaken, aiming to check for a possible NW strike extension of the mineralised structure and open Au in soil anomaly. Sparse quartz veinlets in generally fine grained siliceous sandstone subcrop / float are evident along the ridge. Composite rock chip sample 365210 from the ridge line returned 0.02ppm Au from subcrop of grey fine grained siliceous sandstone with locally brown hematite(w) flecks and milky quartz vein(w/m, 5%) fragments to 8cm.

Medium to coarse grained sandstone, that notably bears disseminated chromite grains to several millimetres, is evident in subcrop immediately NW of the SCDDH4 drill pad as well as ~100m down slope to the SW. Here weak to moderate intensity pervasive silicification destroys protolith sandstone textures (Composite rock chip No. 365211; <0.01ppm Au) within weakly quartz veined, medium to coarse-grained sandstone float to small boulder size.

Sample Number	Au_ppm	Description	East (GDA94)	North (GDA94)	Type	From (m)	To (m)	Azimuth(TN)	Dip
365201	-0.01	cream to grey silicified(w/m) likely fg/mg sst, weak FeO; SW end SCDDH1 drill pad	375865.4	5336471.9	composite Rock Chip	0	8	20	0
365202	-0.01	FeO (270/88W) veined Spur; 0.5m channel sample in light brown fine grained sst/slst bearing FeO stringer veining(m, ~25%) mostly parallel to foliation	375950.5	5336483.9	channel	0	0.5	25	0
365203	0.01	weathered(w) sst, FeO(w)	375932.8	5336456.0	channel	0	1	305	0
365204	-0.01	sst, FeO(w/m)	375932.0	5336456.5	channel	1	2	305	0
365205	-0.01	indurated siliceous sst, sil(m), FeO(w/m)	375931.2	5336457.1	channel	2	3	305	0
365206	-0.01	indurated siliceous sst, sil(m), FeO(w/m); incl 20cm fol(m) zone 340/88W	375930.3	5336457.7	channel	3	4	260	0
365207	-0.01	sst, fol(w) 295/73W, FeO(m)	375929.3	5336457.6	channel	4	5	260	0
365208	-0.01	sst, FeO(m)	375928.2	5336457.4	channel	5	6	260	0
365209	-0.01	sst, sil(m), ser(w), FeO(w/m)	375927.3	5336457.2	channel	6	7	260	0
365210	0.02	subcrop, grey fine grained siliceous sst, locally brown hematite(w) flecked, q-vnd(w/m; 5%) to 8cm	375764.1	5336846.7	composite Rock Chip				
365211	-0.01	elluvium cream sil(w) mg/cg sst with chromite(0.5%), q-vnd(w, 0.5%) mixed with fg/mg sst	375603.1	5336472.8	composite Rock Chip				

Table 3: Rock chip analysis and descriptions; Davie Prospect.

References

Reid, R. O., 2001; Report on Geological Mapping, Rock Chip and Soil Sampling at the Davie Anomaly – Lynchford Project, EL15/1999. Asarco Exploration Company Incorporated. Tasmanian Company Report 01/4597.

Harder, W. M., 2006; Year 1 Annual Report, EL43/2004 Sulphide Creek. Zelos Resources NL. Tasmanian Company Report

Appendix

Appendix 1: List of Digital Data

List of appended digital data files

EL432004_201102_01_Digital_Files.txt

EL432004_201102_02_Drilling_Report.pdf

EL432004_201102_03_AssayResults.txt

EL432004_201102_04_DH_Collar.txt

EL432004_201102_05_DH_Analysis.txt

EL432004_201102_06_DH_Survey.txt

EL432004_201102_07_DH_Geology.txt

EL432004_201102_08_DH_Structure.txt

EL432004_201102_09_DH_Geotech.txt

EL432004_201102_10_DH_Lookups.txt

EL432004_201102_11_DrillCorePhotos (jpeg)

Appendix 2: Drill Logs

Down Hole Surveys									
Hole_ID	Depth	Azimuth(TN)	Dip	ID	Azimuth(Mag)	Type	Verified	Comment	Date
SCDDH4	0	50	-60			2			
SCDDH4	50	47	-59.5		35	1	Y		8/02/2010
SCDDH4	100	48	-58		36	1	Y		8/02/2010
SCDDH4	140	49	-58		37	1	Y		8/02/2010
SCDDH4	190	50	-58		38	1	Y		8/02/2010

Verified	Survey type	
Y	1	Single shot down hole camera
N	2	Measured at collar
	3	Inferred survey for display
	4	Other - see comments

Down Hole Structural Log							
Hole_ID	At	Core angle (LCA)	Structure_type	Structure_Code2	Comments	Azimuth (True)	Dip
SCDDH4	3	75	Vn	FeQSV	FeO vnd		
SCDDH4	3.5	45	Vn	FeQSV	FeO vnd		
SCDDH4	9.8	50	Bd		S0? 12 to 18mm bands in fg sst		
SCDDH4	9.9	65	Fr	Fr	fracture		
SCDDH4	10.7	60	Vn	FeQSV	6mm cream/pale green silica-qtz vein, weakly vuggy FeO on downhole fracture margin		
SCDDH4	19.2	25	bnd	bnd	So/bedding ? Defined by weak sericite		
SCDDH4	19.5	20	Fr	Fr	FeO on fracture @19.2m		
SCDDH4	19.7	70	Fr	Fr	fracture @ 19.2m		
SCDDH4	20.8	30	Vn	FeQSV	FeO-qtz vein		
SCDDH4	27.8	85	Ft	Ft	sharp contact with fine fault gouge which is clayey with most frags to 4-5mm in the first 20cm-moderately sorted! Most fracs in ciinity of fault zone are high angle to LCA		
SCDDH4	100	40	bnd	Ser	sericite banding		
SCDDH4	101	20	Vn	FeQSV	FeO vnd/fractures		
SCDDH4	105.6	35	bnd	Ser	S0? Defined by sericitic bands		
SCDDH4	105.8	60	Fr	Fr	fracture @ 105.6		
SCDDH4	106.2	50	Vn	QCBSV	cream sil-cb? Stockwork vein		
SCDDH4	106.4	35	Vn	QCBSV	@ 106.2m late cream 3mm q-vn		
SCDDH4	106.75	40	Bd	Bd	S0? Apparent contact between mg sst and slst, possibly fining uphole		
SCDDH4	108.9	30	bnd	Ser	sericitic band 2mm parallel to fracture		
SCDDH4	109	45	Vn	QCBSV	@ 108.9sil-cb? Vein		
SCDDH4	110.4	20	Fr	Fr	fracture parallel to sericite banding		
SCDDH4	110.6	70	Fr	Fr	@ 110.4m late fracture		
SCDDH4	117.2	40	bnd	Ser	sericite bands		
SCDDH4	117.4	30	Ft	Ft	@117.2m microfault ofseting Ser bands		
SCDDH4	117.6	75	Fr	Fr	@ 117.2m fracture		
SCDDH4	121.9	30	Ft	Ft	FeO lined fracture offsets earlier q-vn		
SCDDH4	122.1	70	Vn	FeQSV	late FeO-q lined fracture /vein		
SCDDH4	122.3	40	Fr	Fr	fractures @ 122.1m		
SCDDH4	124	20	Bd	Bd	slst bedding - 20cm bed, eroded top and sharp base suggests up hole facing		
SCDDH4	126.5	20	bnd	Ser	sericitic foliation cross cuts 80LCA q-vn		
SCDDH4	126.5	80	Vn	QVN	q-vn		
SCDDH4	127.35	80	Vn	QVN	crm/white 6mm q-vn offset by crm FeO-q-veins		
SCDDH4	129.4	45	Vn	QVN	grey/cream 3mm q-vn xcuts tan/crm FeO-cb?veinlets, both being xcut by sericitic microfaults		
SCDDH4	129.6	60	Fr	Fr	fracture		
SCDDH4	129.7	80	Fr	Fr	fracture		
SCDDH4	130	25	Ft	Ft	sericitic fol/fault shear offset by but continuous through a 50LCA grey q-vn		
SCDDH4	130.5	30	Ft	Ft	1cm fault gouge of similar orientation to the sericitic bands.		
SCDDH4	132.6	45	Fr	Fr	fracture		
SCDDH4	132.7	30	bd	bd	possible S0 in mg/cg sst band		
SCDDH4	142.8	5	Vn	QVN	@143m vuggy q-vn		
SCDDH4	143	35	bnd	Ser	sericite band		
SCDDH4	143.2	45	Fr	Fr	fracture		
SCDDH4	150.15	40	Vn	FeQSV	hematite vein ~1cm wide locally with fine bottriodal geothite vug fill		
SCDDH4	150.7	30	Ft	Ft	slippery slickensided grey silica on sheared fracture, slickensides parallel to long axis ellipse		
SCDDH4	157	30	Fr	Fr	fractures		
SCDDH4	157	45	Fr	Fr	fractures		
SCDDH4	158.5	20	Vn	QVN	strained q-vns		
SCDDH4	170	40	Ft	Ft	fault		
SCDDH4	181	30	Ft	Ft	fault contact		
SCDDH4	184.9	35	Ft	Ft	fault contact		

Drill Core Recovery & RQD Log

Hole_ID	From	To	Interval	Measured	Recovery%	Lengths>10cm	RQD %
SCDDH4	0.0	1.5	1.5	0.5	33.33	0	0.00
SCDDH4	1.5	3.0	1.5	1.5	100.00	0.2	13.33
SCDDH4	3.0	6.0	3.0	3.0	100.00	0.75	25.00
SCDDH4	6.0	9.0	3.0	3.0	100.00	0.9	30.00
SCDDH4	9.0	11.0	2.0	2.0	100.00	1.1	55.00
SCDDH4	11.0	12.8	1.8	1.8	100.00	0.6	33.33
SCDDH4	12.8	15.0	2.2	2.2	100.00	0.35	15.91
SCDDH4	15.0	15.6	0.6	0.6	100.00	0.2	33.33
SCDDH4	15.6	18.0	2.4	2.4	100.00	0.85	35.42
SCDDH4	18.0	19.0	1.0	1.0	100.00	0.15	15.00
SCDDH4	19.0	22.1	3.1	3.1	100.00	0.7	22.58
SCDDH4	22.1	23.1	1.0	1.0	100.00	0.2	20.00
SCDDH4	23.1	25.7	2.6	2.6	100.00	1.55	59.62
SCDDH4	25.7	26.5	0.8	0.8	100.00	0	0.00
SCDDH4	26.5	29.5	3.0	3.0	100.00	0.25	8.33
SCDDH4	29.5	31.5	2.0	0.5	25.00	0	0.00
SCDDH4	31.5	34.5	3.0	3.0	100.00	0.4	13.33
SCDDH4	34.5	37.5	3.0	0.8	26.67	0	0.00
SCDDH4	37.5	40.5	3.0	3.0	100.00	0.55	18.33
SCDDH4	40.5	43.5	3.0	1.4	46.67	0.1	3.33
SCDDH4	43.5	46.5	3.0	3.0	100.00	1.2	40.00
SCDDH4	46.5	49.5	3.0	3.0	100.00	0.2	6.67
SCDDH4	49.5	52.5	3.0	3.0	100.00	0.55	18.33
SCDDH4	52.5	55.5	3.0	0.9	30.00	0	0.00
SCDDH4	55.5	58.5	3.0	3.0	100.00	0.9	30.00
SCDDH4	58.5	60.2	1.7	1.7	100.00	0.25	14.71
SCDDH4	60.2	63.0	2.8	2.8	100.00	1.4	50.00
SCDDH4	63.0	66.0	3.0	2.3	76.67	0.65	21.67
SCDDH4	66.0	69.0	3.0	3.0	100.00	0.6	20.00
SCDDH4	69.0	72.0	3.0	3.0	100.00	0.55	18.33
SCDDH4	72.0	75.0	3.0	3.0	100.00	1.15	38.33
SCDDH4	75.0	78.0	3.0	3.0	100.00	0.75	25.00
SCDDH4	78.0	81.0	3.0	3.0	100.00	1.05	35.00
SCDDH4	81.0	84.0	3.0	3.0	100.00	2	66.67
SCDDH4	84.0	87.0	3.0	3.0	100.00	1.8	60.00
SCDDH4	87.0	90.0	3.0	3.0	100.00	2.2	73.33
SCDDH4	90.0	93.0	3.0	3.0	100.00	2.1	70.00
SCDDH4	93.0	96.0	3.0	3.0	100.00	1.6	53.33
SCDDH4	96.0	99.0	3.0	3.0	100.00	1.35	45.00
SCDDH4	99.0	102.0	3.0	3.0	100.00	1.2	40.00
SCDDH4	102.0	105.0	3.0	3.0	100.00	1.35	45.00
SCDDH4	105.0	108.0	3.0	3.0	100.00	2.2	73.33
SCDDH4	108.0	111.0	3.0	3.0	100.00	1.5	50.00
SCDDH4	111.0	114.0	3.0	3.0	100.00	0.75	25.00
SCDDH4	114.0	117.0	3.0	3.0	100.00	1.65	55.00
SCDDH4	117.0	120.0	3.0	3.0	100.00	2.65	88.33
SCDDH4	120.0	123.0	3.0	3.0	100.00	2.4	80.00
SCDDH4	123.0	126.0	3.0	3.0	100.00	1.55	51.67
SCDDH4	126.0	129.0	3.0	3.0	100.00	2.3	76.67
SCDDH4	129.0	132.0	3.0	3.0	100.00	1.6	53.33
SCDDH4	132.0	135.0	3.0	3.0	100.00	1.35	45.00
SCDDH4	135.0	138.0	3.0	3.0	100.00	1.4	46.67
SCDDH4	138.0	141.0	3.0	3.0	100.00	1.9	63.33

Hole_ID	From	To	Interval	Measured	Recovery%	Lengths>10cm	RQD %
SCDDH4	141.0	144.0	3.0	3.0	100.00	2.45	81.67
SCDDH4	144.0	147.0	3.0	3.0	100.00	2.3	76.67
SCDDH4	147.0	150.0	3.0	3.0	100.00	2.0	66.67
SCDDH4	150.0	151.3	1.3	1.2	92.31	0.85	65.38
SCDDH4	151.3	154.3	3.0	3.0	100.00	2.35	78.33
SCDDH4	154.3	157.4	3.1	3.1	100.00	2.15	69.35
SCDDH4	157.4	160.5	3.1	3.1	100.00	1.90	61.29
SCDDH4	160.5	163.5	3.0	3.0	100.00	0.55	18.33
SCDDH4	163.5	166.5	3.0	2.9	96.67	0.75	25.00
SCDDH4	166.5	169.5	3.0	2.2	73.33	0.45	15.00
SCDDH4	169.5	172.5	3.0	3.0	100.00	0.60	20.00
SCDDH4	172.5	175.5	3.0	3.0	100.00	0.65	21.67
SCDDH4	175.5	178.5	3.0	3.0	100.00	0.95	31.67
SCDDH4	178.5	181.5	3.0	3.0	100.00	1.20	40.00
SCDDH4	181.5	184.5	3.0	3.0	100.00	0.75	25.00
SCDDH4	184.5	187.5	3.0	3.0	100.00	2.65	88.33
SCDDH4	187.5	190.5	3.0	3.0	100.00	2.0	66.67

Down hole assay data					
Hole_ID	From	To	Sample_ID	Au_Ave_ppm	Lab_REF
SCDDH4	0	1.5	366001	0.09	100427
SCDDH4	1.5	3	366002	0.26	100427
SCDDH4	3	5	366003C	0.07	100427
SCDDH4	5	7	366005C	0.02	100427
SCDDH4	7	9	366007C	0.02	100427
SCDDH4	9	11	366009C	0.12	100427
SCDDH4	11	13	366011C	0.19	100427
SCDDH4	13	15	366013C	0.04	100427
SCDDH4	15	17	366015C	0.01	100427
SCDDH4	17	19	366017C	0.05	100427
SCDDH4	19	21	366019C	0.33	100427
SCDDH4	21	23	366021C	0.36	100427
SCDDH4	23	25	366023C	0.36	100427
SCDDH4	25	27	366025C	0.4	100427
SCDDH4	27	28	366027	0.43	100427
SCDDH4	28	29	366028	0.52	100427
SCDDH4	29	31.5	366029	0.29	100427
SCDDH4	31.5	32.5	366030	1.06	100427
SCDDH4	32.5	33.5	366031	1.32	100427
SCDDH4	33.5	34.5	366032	1.4	100427
SCDDH4	34.5	37.5	366033	0.3	100427
SCDDH4	37.5	38.5	366034	0.16	100427
SCDDH4	38.5	39.5	366035	0.06	100427
SCDDH4	39.5	40.5	366036	0.17	100427
SCDDH4	40.5	43.5	366037	0.02	100427
SCDDH4	43.5	45.5	366038C	0	100427
SCDDH4	45.5	47.5	366040C	0	100427
SCDDH4	47.5	49.5	366042C	0.01	100427
SCDDH4	49.5	51.5	366044C	0	100427
SCDDH4	51.5	52.5	366046	0	100427
SCDDH4	52.5	55.5	366047	0.01	100427
SCDDH4	55.5	57.5	366048C	0	100427
SCDDH4	57.5	59.5	366050C	0	100427
SCDDH4	59.5	61.5	366052C	0	100427
SCDDH4	61.5	63.5	366054C	0	100427
SCDDH4	63.5	64.5	366056	0	100427
SCDDH4	64.5	66	366057	0	100427
SCDDH4	66	68	366058C	0	100427
SCDDH4	68	70	366060C	0	100427
SCDDH4	70	72	366062C	0	100427
SCDDH4	72	74	366064C	0	100427
SCDDH4	74	76	366066C	0	100427
SCDDH4	76	78	366068C	0	100427
SCDDH4	78	80	366070C	0	100427
SCDDH4	80	82	366072C	0	100427
SCDDH4	82	83	366074	0	100427
SCDDH4	83	84	366075	0	100427
SCDDH4	84	85	366076	0	100427
SCDDH4	85	86	366077	0.01	100427
SCDDH4	86	87	366078	0	100427
SCDDH4	87	88	366079	0.01	100427
SCDDH4	88	89	366080	0	100427
SCDDH4	89	90	366081	0	100427
SCDDH4	90	91	366082	0.18	100427

Hole_ID	From	To	Sample_ID	Au_Ave_ppm	Lab_REF
SCDDH4	91	92	366083	0.01	100427
SCDDH4	92	93	366084	0	100427
SCDDH4	93	94	366085	0.01	100427
SCDDH4	94	95	366086	0.05	100427
SCDDH4	95	96	366087	0.06	100427
SCDDH4	96	97	366088	0.06	100427
SCDDH4	97	98	366089	0.21	100427
SCDDH4	98	99	366090	0.4	100427
SCDDH4	99	101	366091C	0.21	100427
SCDDH4	101	103	366093C	0.06	100427
SCDDH4	103	105	366095C	0	100427
SCDDH4	105	107	366097C	0.01	100427
SCDDH4	107	109	366099C	0.07	100427
SCDDH4	109	110	366101	0.11	100427
SCDDH4	110	111	366102	0.13	100427
SCDDH4	111	112	366103	0.22	100427
SCDDH4	112	113	366104	0.09	100427
SCDDH4	113	114	366105	0.06	100427
SCDDH4	114	115	366106	0.03	100427
SCDDH4	115	116	366107	0.02	100427
SCDDH4	116	117	366108	0.05	100427
SCDDH4	117	118	366109	0.05	100427
SCDDH4	118	119	366110	0.12	100427
SCDDH4	119	120	366111	0.15	100427
SCDDH4	120	121	366112	0.06	100427
SCDDH4	121	122	366113	0.07	100427
SCDDH4	122	123	366114	0.16	100427
SCDDH4	123	124	366115	0.26	100427
SCDDH4	124	125	366116	0.36	100427
SCDDH4	125	126	366117	0.36	100427
SCDDH4	126	127	366118	0.22	100427
SCDDH4	127	128	366119	0.08	100427
SCDDH4	128	129	366120	0.06	100427
SCDDH4	129	130	366121	0.06	100427
SCDDH4	130	131	366122	0.09	100427
SCDDH4	131	132	366123	0.04	100427
SCDDH4	132	133	366124	0.07	100427
SCDDH4	133	134	366125	0.1	100427
SCDDH4	134	135	366126	0.06	100427
SCDDH4	135	136	366127	0.46	100427
SCDDH4	136	137	366128	0.42	100427
SCDDH4	137	139	366129C	0.12	100427
SCDDH4	139	141	366131C	0.04	100427
SCDDH4	141	143	366133C	0.09	100427
SCDDH4	143	145	366135C	0.06	100427
SCDDH4	145	147	366137C	0.1	100427
SCDDH4	147	148	366139	0.19	100427
SCDDH4	148	149	366140	0.05	100427
SCDDH4	149	150	366141	0.05	100427
SCDDH4	150	151	366142	0.12	100427
SCDDH4	151	152	366143	0.19	100427
SCDDH4	152	153	366144	0.05	100427
SCDDH4	153	154	366145	0.08	100427
SCDDH4	154	155	366146	0.05	100427
SCDDH4	155	156	366147	0.07	100427

Hole_ID	From	To	Sample_ID	Au_Ave_ppm	Lab_REF
SCDDH4	156	157	366148	0.08	100427
SCDDH4	157	159	366149C	0.08	100427
SCDDH4	159	161	366151C	0.13	100427
SCDDH4	161	163	366153C	0.22	100427
SCDDH4	163	165	366155C	0.01	100427
SCDDH4	165	167	366157C	0	100427
SCDDH4	167	168	366159	0.01	100427
SCDDH4	168	170	366160	0.01	100427
SCDDH4	170	172	366161C	0.02	100427
SCDDH4	172	173	366163	0.03	100427
SCDDH4	173	174	366164	0.01	100427
SCDDH4	174	176	366165C	0.03	100427
SCDDH4	176	178	366167C	0.12	100427
SCDDH4	178	180	366169C	0.02	100427
SCDDH4	180	182	366171C	0.01	100427
SCDDH4	182	184	366173C	0	100427
SCDDH4	184	186	366175C	0.01	100427
SCDDH4	186	188	366177C	0	100427
SCDDH4	188	190.5	366179C	0	100427

Down Hole Surveys									
Hole_ID	Depth	Azimuth(TN)	Dip	ID	Azimuth(Mag)	Type	Verified	Comment	Date
SCDDH5	0	50	-85			2			
SCDDH5	50	53	-82		41	1	Y		23/02/2010
SCDDH5	100	53	-82		41	1	Y		23/02/2010
SCDDH5	150	54	-82		42	1	Y		23/02/2010
SCDDH5	200	56	-82		44	1	Y		23/02/2010

Down Hole Structural Log							
Hole_ID	At	Core angle (LCA)	Structure_ Code	Structure_ Code2	Comments	Azimuth (True)	Dip
SCDDH5	38.6	35	Vn	FeQSV	Vein zone comprising FeO(m/s), sil(m)		
SCDDH5	55	10	Vn	FeQSV	10LCA FeO vein @ 55m		
SCDDH5	62	65	Ft	Ft	Fault gouge edges 65LCA @ 62m		
SCDDH5	63.5	45	Ft	Ft	Fault gouge edges 45LCA @ 63.5m		
SCDDH5	76	60	Fr	Fr	60LCA frac @ 76m		
SCDDH5	76.5	70	Fr	Fr	70LCA frac @ 76.5m		
SCDDH5	78.8	45	Vn	Vn	late cream kaolin vein 45LCA @ 78.8		
SCDDH5	107.8	45	Ft	Ft	107.8m internal interval fault contact @45LCA		
SCDDH5	109	30	Sh	Sh	shear zone with fabric commonly @30LCA		
SCDDH5	120	40	Fr	Fr	40 LCA fracs @ 120m,		
SCDDH5	120.5	45	Fr	Fr	45 LCA fracs @ 120m,		
SCDDH5	122.5	40	Ft	Ft	1cm 40LCA fault @ 122.5m		
SCDDH5	126.5	30	Sh	Ser	126.5 sericitic shear plane @30LCA		
SCDDH5	152.8	70	Vn	QVN	70LCA 15mm q-vn @ 152.8m		
SCDDH5	155	30	Fr	Fr	30LCA frac @ 155m,		
SCDDH5	155.5	5	Fr	Fr	5LCA frac @ 155.5m,		
SCDDH5	163	75	Fr	Fr			
SCDDH5	168.5	45	Fr	Fr			
SCDDH5	170	25	Vn	QVN	late cream q-vnd		
SCDDH5	176.6	45	Fr	Fr			
SCDDH5	187	35	Fr	Fr			
SCDDH5	187.2	70	Fr	Fr			
SCDDH5	190	50	Fr	Fr			
SCDDH5	190.1	25	Fr	Fr			
SCDDH5	193.7	65	Fr	Fr			
SCDDH5	199.7	70	Fr	Fr			

Down hole assay data					
Hole_ID	From	To	Sample_ID	Au_Ave_ppm	Lab_REF
SCDDH5	13	15	366182C	0.02	100427
SCDDH5	15	17	366184C	0.02	100427
SCDDH5	17	19	366186C	0.1	100427
SCDDH5	19	21	366188C	0.26	100427
SCDDH5	21	23	366190C	0.07	100427
SCDDH5	23	25	366192C	0.41	100427
SCDDH5	25	27	366194C	0.19	100427
SCDDH5	27	29	366196C	0.29	100427
SCDDH5	29	31	366198C	0.29	100427
SCDDH5	31	33	366200C	0.03	100427
SCDDH5	33	35	366202C	0.04	100427
SCDDH5	35	37	366204C	0.05	100427
SCDDH5	37	39	366206C	0.37	100427
SCDDH5	39	41	366208C	0.73	100427
SCDDH5	41	43	366210C	0.67	100427
SCDDH5	43	45	366212C	0.35	100427
SCDDH5	45	46	366214	0.68	100427
SCDDH5	46	47	366215	0.53	100427
SCDDH5	47	48	366216	0.3	100427
SCDDH5	48	51	366217	0.51	100427
SCDDH5	51	54	366218	0.17	100427
SCDDH5	54	55	366219	0.04	100427
SCDDH5	55	56	366220	0.01	100427
SCDDH5	56	57	366221	0.01	100427
SCDDH5	57	60	366222	0.03	100427
SCDDH5	60	62	366223	0.03	100427
SCDDH5	62	64	366224C	0.08	100427
SCDDH5	64	66	366226C	0.09	100427
SCDDH5	66	67	366228	0.06	100427
SCDDH5	67	68	366229	0.04	100427
SCDDH5	68	69	366230	0.01	100427
SCDDH5	69	70	366231	0	100427
SCDDH5	70	71	366232	0	100427
SCDDH5	71	72	366233	0	100427
SCDDH5	72	73	366234	0	100427
SCDDH5	73	74	366236	0.03	100427
SCDDH5	74	75	366237	0.41	100427
SCDDH5	75	76	366238	0.2	100427
SCDDH5	76	77	366239	0.25	100427
SCDDH5	77	78	366240	0.48	100427
SCDDH5	78	80	366241C	0	100427
SCDDH5	80	82	366243C	0	100427
SCDDH5	82	84	366245C	0.05	100427
SCDDH5	84	86	366247C	0.04	100427
SCDDH5	86	88	366249C	0.03	100427
SCDDH5	88	90	366251C	0	100427
SCDDH5	90	92	366253C	0.01	100427
SCDDH5	92	94	366255C	0	100427
SCDDH5	94	96	366257C	0	100427
SCDDH5	96	98	366259C	0	100427
SCDDH5	98	99	366261	0	100427
SCDDH5	99	102	366262	0	100427
SCDDH5	102	104	366263C	0.02	100427
SCDDH5	104	106	366265C	0	100427
SCDDH5	106	108	366267C	0.01	100427
SCDDH5	108	109	366269	0	100427
SCDDH5	109	110	366270	0	100427
SCDDH5	110	111	366271	0	100427
SCDDH5	111	112.5	366272	0.02	100427
SCDDH5	112.5	114	366273	0	100427
SCDDH5	114	115	366274	0	100427
SCDDH5	115	116	366275	0.09	100427
SCDDH5	116	117	366276	0.04	100427

Down hole assay data					
Hole_ID	From	To	Sample_ID	Au_Ave_ppm	Lab_REF
SCDDH5	117	119	366277C	0.02	100427
SCDDH5	119	121	366279C	0.01	100427
SCDDH5	121	123	366281C	0	100427
SCDDH5	123	126	366283	0.06	100427
SCDDH5	126	127	366284	0	100427
SCDDH5	127	129	366285C	0	100427
SCDDH5	129	132	366287	0.07	100427
SCDDH5	132	135	366288	0	100427
SCDDH5	135	136.5	366289	0.01	100427
SCDDH5	136.5	138	366290	0	100427
SCDDH5	138	139.5	366291	0.01	100427
SCDDH5	139.5	141	366292	0	100427
SCDDH5	141	143	366293C	0	100427
SCDDH5	143	145	366295C	0	100427
SCDDH5	145	147	366297C	0.03	100427
SCDDH5	147	150	366299	0.2	100427
SCDDH5	150	152	366300C	0.27	100427
SCDDH5	152	153	366302	0.26	100427
SCDDH5	153	154	366303	0.23	100427
SCDDH5	154	155	366304	0.13	100427
SCDDH5	155	156	366305	0.12	100427
SCDDH5	156	157	366306	0.12	100427
SCDDH5	157	158	366307	0.35	100427
SCDDH5	158	159	366308	0.32	100427
SCDDH5	159	160	366309	0.55	100427
SCDDH5	160	161	366310	0.7	100427
SCDDH5	161	162	366311	0.76	100427
SCDDH5	162	163	366312	0.66	100427
SCDDH5	163	164	366313	0.69	100427
SCDDH5	164	165	366314	1.14	100427
SCDDH5	165	166	366315	1.44	100427
SCDDH5	166	167	366316	1.29	100427
SCDDH5	167	168	366317	0.7	100427
SCDDH5	168	169	366318	0.41	100427
SCDDH5	169	170	366319	0.21	100427
SCDDH5	170	171	366320	0.3	100427
SCDDH5	171	173	366321	0.12	100427
SCDDH5	173	174	366322	0.07	100427
SCDDH5	174	175	366323	0.19	100427
SCDDH5	175	176	366324	0.28	100427
SCDDH5	176	177	366325	0.34	100427
SCDDH5	177	178	366326	0.06	100427
SCDDH5	178	179	366327	0.24	100427
SCDDH5	179	180	366328	0.19	100427
SCDDH5	180	181	366329	0.14	100427
SCDDH5	181	182	366330	0.68	100427
SCDDH5	182	183	366331	0.52	100427
SCDDH5	183	184	366332	0.16	100427
SCDDH5	184	185	366333	0.27	100427
SCDDH5	185	186	366334	0.12	100427
SCDDH5	186	187	366335	0.17	100427
SCDDH5	187	188	366336	0.18	100427
SCDDH5	188	189	366337	0.28	100427
SCDDH5	189	190	366338	0.34	100427
SCDDH5	190	191	366339	0.19	100427
SCDDH5	191	192	366340	0.15	100427
SCDDH5	192	194	366341C	0.13	100427
SCDDH5	194	196	366343C	0.11	100427
SCDDH5	196	198	366345C	0.19	100427
SCDDH5	198	200	366347C	0.19	100427

Drill Core Recovery & RQD Log

Hole_ID	From	To	Interval	Measured	Recovery%	Lengths>10cm	RQD %
SCDDH5	0.0	3.0	3.0	1.8	60.00	0.1	3.33
SCDDH5	3.0	6.0	3.0	3.0	100.00	0.2	6.67
SCDDH5	6.0	9.0	3.0	3.0	100.00	0.1	3.33
SCDDH5	9.0	12.0	3.0	3.0	100.00	0.7	23.33
SCDDH5	12.0	15.0	3.0	3.0	100.00	0.55	18.33
SCDDH5	15.0	18.0	3.0	3.0	100.00	0.4	13.33
SCDDH5	18.0	21.0	3.0	3.0	100.00	0.35	11.67
SCDDH5	21.0	24.0	3.0	3.0	100.00	1.85	61.67
SCDDH5	24.0	27.0	3.0	3.0	100.00	0.45	15.00
SCDDH5	27.0	30.0	3.0	3.0	100.00	0.9	30.00
SCDDH5	30.0	33.0	3.0	2.6	86.67	0.2	6.67
SCDDH5	33.0	36.0	3.0	3.0	100.00	0.1	3.33
SCDDH5	36.0	39.0	3.0	3.0	100.00	0.5	16.67
SCDDH5	39.0	42.0	3.0	3.0	100.00	1	33.33
SCDDH5	42.0	45.0	3.0	3.0	100.00	0.1	3.33
SCDDH5	45.0	48.0	3.0	3.0	100.00	0.65	21.67
SCDDH5	48.0	51.0	3.0	2.0	66.67	0	0.00
SCDDH5	51.0	54.0	3.0	2.0	66.67	0	0.00
SCDDH5	54.0	57.0	3.0	3.0	100.00	0.25	8.33
SCDDH5	57.0	60.0	3.0	1.8	60.00	0	0.00
SCDDH5	60.0	63.0	3.0	2.2	73.33	0.1	3.33
SCDDH5	63.0	66.0	3.0	3.0	100.00	0.6	20.00
SCDDH5	66.0	69.0	3.0	3.0	100.00	0.4	13.33
SCDDH5	69.0	72.0	3.0	3.0	100.00	0.4	13.33
SCDDH5	72.0	75.0	3.0	3.0	100.00	0.8	26.67
SCDDH5	75.0	78.0	3.0	3.0	100.00	0.3	10.00
SCDDH5	78.0	81.0	3.0	2.8	93.33	1.55	51.67
SCDDH5	81.0	84.0	3.0	3.0	100.00	0.7	23.33
SCDDH5	84.0	87.0	3.0	3.0	100.00	1.15	38.33
SCDDH5	87.0	90.0	3.0	3.0	100.00	1.45	48.33
SCDDH5	90.0	93.0	3.0	3.0	100.00	0.95	31.67
SCDDH5	93.0	96.0	3.0	3.0	100.00	1.9	63.33
SCDDH5	96.0	99.0	3.0	3.0	100.00	0.8	26.67
SCDDH5	99.0	102.0	3.0	1.2	40.00	0	0.00
SCDDH5	102.0	105.0	3.0	3.0	100.00	0.35	11.67
SCDDH5	105.0	108.0	3.0	3.0	100.00	0.5	16.67
SCDDH5	108.0	111.0	3.0	3.0	100.00	0.45	15.00
SCDDH5	111.0	112.5	1.5	1.2	80.00	0	0.00
SCDDH5	112.5	114.0	1.5	1.2	80.00	0.1	6.67
SCDDH5	114.0	117.0	3.0	3.0	100.00	0.45	15.00
SCDDH5	117.0	119.3	2.3	1.9	82.61	0.5	21.74
SCDDH5	119.3	121.5	2.2	2.2	100.00	0.9	40.91
SCDDH5	121.5	123.6	2.1	2.0	95.24	0.7	33.33
SCDDH5	123.6	126.0	2.4	1.2	50.00	0	0.00
SCDDH5	126.0	127.8	1.8	1.8	100.00	0.35	19.44
SCDDH5	127.8	129.0	1.2	0.7	58.33	0	0.00
SCDDH5	129.0	132.0	3.0	2.2	73.33	0.1	3.33
SCDDH5	132.0	135.0	3.0	2.0	66.67	0.15	5.00
SCDDH5	135.0	136.5	1.5	1.3	86.67	0	0.00
SCDDH5	136.5	139.5	3.0	2.7	90.00	0.4	13.33
SCDDH5	139.5	142.0	2.5	2.5	100.00	0.15	6.00
SCDDH5	142.0	144.0	2.0	2.0	100.00	0.6	30.00
SCDDH5	144.0	147.0	3.0	3.0	100.00	0	0.00

Drill Core Recovery & RQD Log

Hole_ID	From	To	Interval	Measured	Recovery%	Lengths>10cm	RQD %
SCDDH5	147.0	150.0	3.0	2.4	80.00	0	0.00
SCDDH5	150.0	153.0	3.0	3.0	100.00	1.3	43.33
SCDDH5	153.0	156.0	3.0	3.0	100.00	0.6	18.33
SCDDH5	156.0	159.0	3.0	3.0	100.00	0.45	15.00
SCDDH5	159.0	162.0	3.0	3.0	100.00	0.60	20.00
SCDDH5	162.0	165.0	3.0	3.0	100.00	2.50	83.33
SCDDH5	165.0	167.6	2.6	2.6	100.00	0.45	17.31
SCDDH5	167.6	168.0	0.4	0.3	75.00	0.00	0.00
SCDDH5	168.0	171.0	3.0	3.0	100.00	1.05	35.00
SCDDH5	171.0	174.0	3.0	2.1	70.00	0.10	3.33
SCDDH5	174.0	176.0	2.0	1.8	90.00	0.20	10.00
SCDDH5	176.0	179.0	3.0	3.0	100.00	0.30	10.00
SCDDH5	179.0	180.0	1.0	1.0	100.00	0.00	0.00
SCDDH5	180.0	182.0	2.0	2.0	100.00	0.70	35.00
SCDDH5	182.0	185.0	3.0	3.0	100.00	0.90	30.00
SCDDH5	185.0	188.0	3.0	3.0	100.00	1.25	41.67
SCDDH5	188.0	191.0	3.0	3.0	100.00	1.7	56.67
SCDDH5	191.0	194.0	3.0	3.0	100.00	1.7	56.67
SCDDH5	194.0	197.0	3.0	3.0	100.00	2.3	75.00
SCDDH5	197.0	200.0	3.0	3.0	100.00	1.7	55.00

Appendix 3: Drill Logging Look Up Tables

Look Up Tables

Lithology CODE	Lithology Description
CFIL	Undifferentiated fill eg: drill pad/road rubble
CLOS	Core loss - no lithology
CELUV	Elluvium
KANGA	Kanga
CGOSS	Gossan !
FCLAY	ferruginous clay
FALT	Fault
TFBX	Fault breccia
TFS	Fault Shear
TCATA	Cataclasite
TMYO	Myolinite
TFG	Fault gouge
SSHALE	shale (includes carbonaceous/graphitic fine layered sediments)
SMDST	mudstone
SSILT	siltstone
SSHSST	Interbedded Shale and Sandstone
SSAND	sandstone - grain size not measured
SCONG	conglomerate - grainsize not measured
SGWAC	greywacke
SFSAND	Fine sandstone (0.06-0.25mm)
SMSAND	Medium sandstone (0.25-0.5mm)
SCSAND	Coarse sandstone (0.5-2mm)
SFBSAND	Fine sandstone (0.06-0.25mm), commonly thin bedded
OSKARN	Skarn
SKVN	Skarn dominated veining with calc-silicate, commonly mag selvages
GAR	garnet dominated skarn
CALSVN	calc-sil dominated veining with minor skarn vein centres
MAG	semi-pervasive to massive magnetite replacement
MAGB	banded / veined magnetite replacement
MAGVN	magnetite veining on fractures
HORN	Hornfelsing
CALS	Calc-silicate replacement (commonly amphibole dominated - trm/act-qtz-cal-dol)
CSP	Calc-Silicate/ Skarn (pyroxene dominated - cpx-qtz-cal-dol-wol-ves-gnt-mnt)
SKARN	Skarn alteration (eg: diopside-Garnet)
GREISEN	Greisenisation (eg: fluorite, beryl, topaz, sericite etc)
HEM	Hematisation
SER	Serpentinisation
QVN	Quartz veining
SQV	sulphide-bearing quartz vein
SISX	pervasive silica - sulphide
MSSX	massive sulphide
SMSX	semi-massive sulphide
DSX	Disseminated sulphides
Ch	chlorite
Ser	sericite
Sil	silica - pervasive
SILI	Intense silicification
KSP	Potassic (kspar dominated- bio-ser-act-kspar-qtz-mag-cpx)
Fuc	Fuchsite
Cb	Carbonate
OX	Oxidised, including FeO
Phyl	Phyllic (qtz-ser-py-fpr-ch-and-corr-kfp)
Prop	Propylitic (epd-cb-chl-mag-sme-sil-zeo-ill-alb-adu)
Arg	Argillic (ch-all-sme-cb-qtz-kaol-dic-dia-ill)
KBI	Potassic (biotite dominated - bio-ser-act-kfp-qtz-mag-cpx)
KSE	Potassic (sericite dominated - bio-ser-act-kfp-qtz-mag-cpx)
ADA	Advanced Argillic (qtz-all-and-corr-py-dia-mic)
ODP	Mill breccia, "pebble dyke"
ODF	Felsic dyke
ODM	Mafic dyke
FP	Fluidised Porphyry
OVEIN	Vein
OHBX	Hydrothermal breccia
BX	Breccia
CSOILA	A horizon soil
CSOILB	B horizon soil
CAEOL	Aeolian
CHRD	Hardpan
CFCT	Ferricrete
CCCT	Calcrete
CSCT	Silcrete
CALUV	Alluvium
CCOL	Colluvium
SUCHEM	sedimentary undifferentiated chemical
SGRANSAND	Granule sandstone - max detrital qtz grains 2-4mm
SGRANCONG	Granule conglomerate >50% 2-4mm grains/clasts
SPEBSAND	Pebble sandstone - max detrital qtz grains 4-64mm
SPEBCONG	Pebble conglomerate >50% 4-64mm clasts
SCOBCONG	Cobble conglomerate clasts > 64mm commonly present
SVCONG	Conglomerate with dominant volcanic clasts
STILL	Tillite / Greybilly
SARK	arkose
SBREC	Sedimentary breccia

Lithology CODE	Lithology Description
SCHERT	Chert
SDOLM	Dolomite
SLMST	Limestone
SLMST	Limestone
SBIFOX	Banded Iron Formation - Oxide Facies
SBIFCB	Banded Iron Formation - Carbonate Facies
SBIFSX	Banded Iron Formation - Sulphide Facies
SCOAL	Coal
SUCLAST	sedimentary undifferentiated clastic
SESST	Epiclastic sandstone
VMDST	volcaniclastic mudstone
VSLSST	volcaniclastic siltstone
VSST	volcaniclastic sandstone
VQXSST	quartz-crystal-rich volcaniclastic sandstone
VPSST	Pumecious volcaniclastic sandstone
VLLSST	Lapilli lithic volcaniclastic sandstone (lapilli size lithics)
VBLSST	Block lithic volcaniclastic sandstone (block sized lithics)
VB	volcanic breccia (undifferentiated origin)
VBB	volcanic block breccia (undifferentiated origin)
VUND	Undifferentiated volcaniclastic
LFR	Rhyolite lava
LFD	Dacite lava
LIT	Trachyte - typically packed feldspars
LIA	Andesite lava
LMB	Basalt lava
LFUND	Undifferentiated felsic
LIUND	Undifferentiated intermediate
LMUND	Undifferentiated mafic
IFUND	Felsic undifferentiated intrusive
IIUND	Intrusive intermediate undifferentiated
IMUND	Mafic intrusive - undifferentiated
LUUND	Ultramafic lava - undifferentiated
LUKOMT	Komatiite
IFGRAD	Granite
IFGRAD	Granodiorite
IFADAM	Adamellite
IFPEG	Pegmatite
IFGA	Intrusive fine grained granite - aplite or microgranite
FUB	fuberite - f'd up beyond recognition
IISY	Syenite
IID	Diorite (plag dominant, includes porphyry)
IID1	Weakly mineralised feld-biot porphyry
IID2	Unmineralised quartz bearing q-feld-biot porphyry "Dykes"
IID3	Feldspar crowded porphyry, commonly mineralised; porphyritic diorite/monzodiorite
IIM	Monzonite (typically k-felds 35-65%, includes porphyry)
IIT	Tonalite (qtz bearing >20%] diorite, includes porphyry)
IIMDI	monzodiorite (plag rich up to 90%, includes porphyry)
IID4	Feld(w)-biot porphyry, commonly xenolith bearing (Dykes, later than IID3)
IIA	Anorthosite
IMGB	Gabbro
IMDL	Dolerite
IMN	Norite
IUUND	Ultramafic intrusive undifferentiated
IUPYRX	Pyroxenite
IUPERID	Peridotite
IUDUNT	Dunite
MUSED	Undifferentiated metasediments
MSLAT	Slate
MPHYL	Phyllite
MSHST	Schist
MQTZ	Quartzite
MHORN	Hornfels
MMBL	Marble
MGN	Gneiss
MFGN	Felsic Gneiss
MIGN	Intermediate gneiss
MMSHST	Mafic schist
MMGN	Mafic Gneiss
MMA	Amphibolite
MUMSHST	Ultramafic schist
MUMSERP	Serpentinite
OIL	Lamprophyre
OIK	Kimberlite
OIC	Carbonatite
OIP	Pepperite (describe phases fully)
OIBX	Intrusive Breccia
MSSX	Massive Sulphide
MSSXC	Massive Sulphide (cumulate)
Mineralisation Code	Mineralisation and Alteration Description
QVN	quartz veining - incl. epithermal style, vuggy, drusy, banded
QSV	sulphide-bearing quartz vein(/veinlets)
QCBSV	Sil-Cb Stockwork (mostly stockwork veined & locally Semi-Perv)

Mineralisation Code	Mineralisation and Alteration Description
Sil	silica - pervasive and semi-pervasive alteration
Ser	sericite
SKARN	Skarn alteration (eg: diopside-Garnet-pyroxene-magnetite)
SKVN	Skarn dominated veining with calc-silicate, commonly mag selvages
Amph	Amphibole alteration in skarn
PX	pyroxene dominated skarn
Actinolite	Actinolite alteration (in skarn)
GAR	garnet dominated skarn
MAG	semi-pervasive to massive magnetite replacement / Skarn
Geoth	geothite - semi massive to massive
HEM	Hematisation
Ch	chlorite
Cb	Carbonate
CLY	Clay alteration
MAGB	banded / veined magnetite replacement
MAGVN	magnetite veining on fractures
HORN	Hornfelsing
CSP	Calc-Silicate/ Skarn (pyroxene dominated - cpx-qtz-cal-dol-wol-ves-gnt-mag)
GREISEN	Greisenisation (eg: flourite, beryl, topaz, sericite etc)
FeQSV	FeO-Quartz stockwork veining, commonly vuggy
FeSilSP	Semi- Perv Sil-FeO Selvages
MSSX	massive sulphide
SMSX	semi-massive sulphide
DSX	disseminated sulphides
VSX	Sulphide veining, commonly straight along joints
OX	Oxidised, including FeO pervasive and semipervasive in matrix/groundmass
OXMnO	black Manganese oxide, veins, spots
CALSVN	calc-sil dominated veining with minor skarn vein centres
QSVB	Broken / brecciated quartz vein zone / faulted
QOVSX	Oxidised FeO (geothite & limonite) within quartz stockwork, likely after veined sulphide
OVSX	Oxidised FeO (geothite & limonite) likely after veined sulphide
CbVN	Carbonate +/- quartz vein(s)
SISX	Pervasive silica - disseminated sulphide alteration
CALS	Calc-silicate replacement (commonly veined and semi-perv)
KSP	Potassic (kfp dominated- bio-ser-act-kfp-qtz-mnt-cpx)
Phyl	Phyllic (qtz-ser-pyr-fpr-cht-and-corr-kfp)
Prop	Propylitic (epd-crb-chl-mnt-sme-sil-zeo-ill-alb-adu)
Arg	Argillic (chy-all-sme-crb-qtz-kaol-dia-ill)
Fuc	Fuchsite
Vmica	bright green Vanadium? Mica, commonly flecked or pervasive
HORN	Hornfelsing
CALS	Calc-silicate replacement (commonly amphibole dominated - trm/act-qtz-cal-dol)
CSP	Calc-Silicate/ Skarn (pyroxene dominated - cpx-qtz-cal-dol-wol-ves-gnt-mnt)
SKARN	Skarn alteration (eg: Garnet-diopside)
KBI	Potassic (biotite dominated - bio-ser-act-kfp-qtz-mnt-cpx)
KSE	Potassic (sericite dominated - bio-ser-act-kfp-qtz-mnt-cpx)
ADA	Advanced Argillic (qtz-all-and-corr-pyr-dia-mic)
GREISEN	Greisenisation (eg: flourite, beryl, topaz, sericite etc)
SER	Serpentinisation

Intensity CODE	Intensity DESCRIPTION
1	very weak
2	weak
3	moderate
4	strong
5	very strong
AMOUNT CODE	%
0.1	trace
0.5	0.005
1	0.01
2	0.02
3	0.03
4	0.04
5	0.05
6	0.06
7	0.07
8	0.08
9	0.09
10	0.1
15	0.15
20	0.2
25	0.25
30	0.3
40	0.4
50	0.5
60	0.6
70	0.7
80	0.8
90	0.9
100	1

Mineral Style CODE	Description
P	Pervasive
D	Disseminated
Vn	Vein
Svn	stringer veined
Spt	Spots and clots
Eu	Euhedral crystals
Sv	Selvedge
SP	Semi-pervasive
Gr	Greisen
Br	Breccia
Rp	Replacement
Sk	Skarn
Bnd	Banded
Den	Dendritic

Mineral Type Code	Mineral
Py	Pyrite
Aspy	Arsenopyrite
Sb	Stibnite
Ga	Galena
Sp	Sphalerite
Cpy	Chalcopyrite
Cv	Covellite
Cc	Chalcocite
Bn	Bornite
Mo	Molybdenite
Pn	Pentlandite
Po	Pyrrhotite
Mc	Marcasite
Bism	Bismuthinite
Tetn	Tetrahedrite-Tennantite
Mag	Magnetite
He	Hematite
Wolf	Wolframite
Cst	Cassiterite
Cw	Cuprite
Mal	Malachite
Cs	Cerrusite
Au	Visible Au
Cu	Native Copper
Ag	Native Silver
Ad	Adularia
Al	Alunite
Dik	Dickite
Il	Illite
Ka	Kaolinite
Pry	Pyrophyllite
Chd	Chalcedony
Qz	Quartz
Zeo	Zeolite
Sm	Smectite
Se	Sericite
Ch	Chlorite
Ep	Epidote
Cb	Carbonate
Ci	Calcite
Dol	Dolomite
Rh	Rhodochrosite
Sd	Siderite
Mgs	Magnesite
Ahd	Anhydrite
Ba	Barite
En	Enargite
Pyr	Pyrrhotite
Tml	Tourmaline
Fl	Flourite
Act	Actinolite
Tr	Tremolite
Wo	Wollastinite
Ves	Vesuvianite
Fuch	Fuchsite
Mu	Muscovite
Bi	Biotite
Ap	Apatite
Cd	Cordierite
Im	Ilmenite
Rt	Rutile
Gt	Garnet
Si	Silicification
Am	Amphibole
Hb	Hornblende
Cpx	Clinopyroxene
Di	Diopside
Alb	Albite

Mineral Type Code	Mineral
Kf	K-Feldspar
Ck	Chrysocolla
Pi	Psilomelane
Mn	Pyrolusite
Li	Limonite
Go	Goethite
Jr	Jarosite
FMag	ferromagnesian minerals
Vmica	green Vanadium Mica

Colours CODE	Colour
Br	Brown
G	Grey
B	Black
Y	Yellow
R	Red
Gr	Green
W	White
O	Orange
Bl	Blue
P	Purple
C	Cream
Pk	Pink

Shade	
1	Pale
2	
3	
4	
5	Dark

Weathering - Oxidation CODE	Amount	Descriptive Guide
1	Trace	Oxidation only visible in a couple of hand lens area; <1%
2	Weak	~1 to 10% FeO
3	Moderate	~10 to 60% FeO
4	Strong	~60 to 90% FeO
5	Intense	>90% FeO

Weathering - Leaching CODE	Amount	Descriptive Guide
1	Trace	Weathering only visible in a couple of hand lens area
2	Occasional	Weathering visible over a number of hand lens areas
3	Weak	Fresh rock only visible in couple of hand lens areas
4	Moderate	No fresh rock visible, but rock still intact
5	Strong	No fresh rock visible, parts of rock broken down to soft material
6	Intense	Nearly all rock broken down to soft material or clay

DH_Survey type	Description
1	Single shot down hole camera
2	Measured at collar
3	Inferred survey for display
4	Other - see comments

Verified	
Y	yes
N	no

Structure Code	Description
Face	Facing
Ft	Fault
Sh	shear
Vn	vein
Fo	Foliation
Fr	fracture
Jt	Joint
Bd	Bedding
Fold	Fold
con	contact
lay	layering
bnd	banding
Ln	Lineation
CATA	Cataclasite
Slick	Slickensides
Pu	Puggy seam
Cl	Cleavage

Appendix 4: Drill Core Analysis

Hole_ID	From (m)	To (m)	Sample_ID	Au_ppm	Lab_Reference
SCDDH4	0	1.5	366001	0.09	100427
SCDDH4	1.5	3	366002	0.26	100427
SCDDH4	3	5	366003C	0.07	100427
SCDDH4	5	7	366005C	0.02	100427
SCDDH4	7	9	366007C	0.02	100427
SCDDH4	9	11	366009C	0.12	100427
SCDDH4	11	13	366011C	0.19	100427
SCDDH4	13	15	366013C	0.04	100427
SCDDH4	15	17	366015C	0.01	100427
SCDDH4	17	19	366017C	0.05	100427
SCDDH4	19	21	366019C	0.33	100427
SCDDH4	21	23	366021C	0.36	100427
SCDDH4	23	25	366023C	0.36	100427
SCDDH4	25	27	366025C	0.4	100427
SCDDH4	27	28	366027	0.43	100427
SCDDH4	28	29	366028	0.52	100427
SCDDH4	29	31.5	366029	0.29	100427
SCDDH4	31.5	32.5	366030	1.06	100427
SCDDH4	32.5	33.5	366031	1.32	100427
SCDDH4	33.5	34.5	366032	1.4	100427
SCDDH4	34.5	37.5	366033	0.3	100427
SCDDH4	37.5	38.5	366034	0.16	100427
SCDDH4	38.5	39.5	366035	0.06	100427
SCDDH4	39.5	40.5	366036	0.17	100427
SCDDH4	40.5	43.5	366037	0.02	100427
SCDDH4	43.5	45.5	366038C	0	100427
SCDDH4	45.5	47.5	366040C	0	100427
SCDDH4	47.5	49.5	366042C	0.01	100427
SCDDH4	49.5	51.5	366044C	0	100427
SCDDH4	51.5	52.5	366046	0	100427
SCDDH4	52.5	55.5	366047	0.01	100427
SCDDH4	55.5	57.5	366048C	0	100427
SCDDH4	57.5	59.5	366050C	0	100427
SCDDH4	59.5	61.5	366052C	0	100427
SCDDH4	61.5	63.5	366054C	0	100427
SCDDH4	63.5	64.5	366056	0	100427
SCDDH4	64.5	66	366057	0	100427
SCDDH4	66	68	366058C	0	100427
SCDDH4	68	70	366060C	0	100427
SCDDH4	70	72	366062C	0	100427
SCDDH4	72	74	366064C	0	100427
SCDDH4	74	76	366066C	0	100427
SCDDH4	76	78	366068C	0	100427
SCDDH4	78	80	366070C	0	100427
SCDDH4	80	82	366072C	0	100427
SCDDH4	82	83	366074	0	100427
SCDDH4	83	84	366075	0	100427
SCDDH4	84	85	366076	0	100427
SCDDH4	85	86	366077	0.01	100427
SCDDH4	86	87	366078	0	100427
SCDDH4	87	88	366079	0.01	100427

Hole_ID	From (m)	To (m)	Sample_ID	Au_ppm	Lab_Reference
SCDDH4	88	89	366080	0	100427
SCDDH4	89	90	366081	0	100427
SCDDH4	90	91	366082	0.18	100427
SCDDH4	91	92	366083	0.01	100427
SCDDH4	92	93	366084	0	100427
SCDDH4	93	94	366085	0.01	100427
SCDDH4	94	95	366086	0.05	100427
SCDDH4	95	96	366087	0.06	100427
SCDDH4	96	97	366088	0.06	100427
SCDDH4	97	98	366089	0.21	100427
SCDDH4	98	99	366090	0.4	100427
SCDDH4	99	101	366091C	0.21	100427
SCDDH4	101	103	366093C	0.06	100427
SCDDH4	103	105	366095C	0	100427
SCDDH4	105	107	366097C	0.01	100427
SCDDH4	107	109	366099C	0.07	100427
SCDDH4	109	110	366101	0.11	100427
SCDDH4	110	111	366102	0.13	100427
SCDDH4	111	112	366103	0.22	100427
SCDDH4	112	113	366104	0.09	100427
SCDDH4	113	114	366105	0.06	100427
SCDDH4	114	115	366106	0.03	100427
SCDDH4	115	116	366107	0.02	100427
SCDDH4	116	117	366108	0.05	100427
SCDDH4	117	118	366109	0.05	100427
SCDDH4	118	119	366110	0.12	100427
SCDDH4	119	120	366111	0.15	100427
SCDDH4	120	121	366112	0.06	100427
SCDDH4	121	122	366113	0.07	100427
SCDDH4	122	123	366114	0.16	100427
SCDDH4	123	124	366115	0.26	100427
SCDDH4	124	125	366116	0.36	100427
SCDDH4	125	126	366117	0.36	100427
SCDDH4	126	127	366118	0.22	100427
SCDDH4	127	128	366119	0.08	100427
SCDDH4	128	129	366120	0.06	100427
SCDDH4	129	130	366121	0.06	100427
SCDDH4	130	131	366122	0.09	100427
SCDDH4	131	132	366123	0.04	100427
SCDDH4	132	133	366124	0.07	100427
SCDDH4	133	134	366125	0.1	100427
SCDDH4	134	135	366126	0.06	100427
SCDDH4	135	136	366127	0.46	100427
SCDDH4	136	137	366128	0.42	100427
SCDDH4	137	139	366129C	0.12	100427
SCDDH4	139	141	366131C	0.04	100427
SCDDH4	141	143	366133C	0.09	100427
SCDDH4	143	145	366135C	0.06	100427
SCDDH4	145	147	366137C	0.1	100427
SCDDH4	147	148	366139	0.19	100427
SCDDH4	148	149	366140	0.05	100427

Hole_ID	From (m)	To (m)	Sample_ID	Au_ppm	Lab_Reference
SCDDH4	149	150	366141	0.05	100427
SCDDH4	150	151	366142	0.12	100427
SCDDH4	151	152	366143	0.19	100427
SCDDH4	152	153	366144	0.05	100427
SCDDH4	153	154	366145	0.08	100427
SCDDH4	154	155	366146	0.05	100427
SCDDH4	155	156	366147	0.07	100427
SCDDH4	156	157	366148	0.08	100427
SCDDH4	157	159	366149C	0.08	100427
SCDDH4	159	161	366151C	0.13	100427
SCDDH4	161	163	366153C	0.22	100427
SCDDH4	163	165	366155C	0.01	100427
SCDDH4	165	167	366157C	0	100427
SCDDH4	167	168	366159	0.01	100427
SCDDH4	168	170	366160	0.01	100427
SCDDH4	170	172	366161C	0.02	100427
SCDDH4	172	173	366163	0.03	100427
SCDDH4	173	174	366164	0.01	100427
SCDDH4	174	176	366165C	0.03	100427
SCDDH4	176	178	366167C	0.12	100427
SCDDH4	178	180	366169C	0.02	100427
SCDDH4	180	182	366171C	0.01	100427
SCDDH4	182	184	366173C	0	100427
SCDDH4	184	186	366175C	0.01	100427
SCDDH4	186	188	366177C	0	100427
SCDDH4	188	190.5	366179C	0	100427
SCDDH5	13	15	366182C	0.02	100427
SCDDH5	15	17	366184C	0.02	100427
SCDDH5	17	19	366186C	0.1	100427
SCDDH5	19	21	366188C	0.26	100427
SCDDH5	21	23	366190C	0.07	100427
SCDDH5	23	25	366192C	0.41	100427
SCDDH5	25	27	366194C	0.19	100427
SCDDH5	27	29	366196C	0.29	100427
SCDDH5	29	31	366198C	0.29	100427
SCDDH5	31	33	366200C	0.03	100427
SCDDH5	33	35	366202C	0.04	100427
SCDDH5	35	37	366204C	0.05	100427
SCDDH5	37	39	366206C	0.37	100427
SCDDH5	39	41	366208C	0.73	100427
SCDDH5	41	43	366210C	0.67	100427
SCDDH5	43	45	366212C	0.35	100427
SCDDH5	45	46	366214	0.68	100427
SCDDH5	46	47	366215	0.53	100427
SCDDH5	47	48	366216	0.3	100427
SCDDH5	48	51	366217	0.51	100427
SCDDH5	51	54	366218	0.17	100427
SCDDH5	54	55	366219	0.04	100427
SCDDH5	55	56	366220	0.01	100427
SCDDH5	56	57	366221	0.01	100427
SCDDH5	57	60	366222	0.03	100427

Hole_ID	From (m)	To (m)	Sample_ID	Au_ppm	Lab_Reference
SCDDH5	60	62	366223	0.03	100427
SCDDH5	62	64	366224C	0.08	100427
SCDDH5	64	66	366226C	0.09	100427
SCDDH5	66	67	366228	0.06	100427
SCDDH5	67	68	366229	0.04	100427
SCDDH5	68	69	366230	0.01	100427
SCDDH5	69	70	366231	0	100427
SCDDH5	70	71	366232	0	100427
SCDDH5	71	72	366233	0	100427
SCDDH5	72	73	366234	0	100427
SCDDH5	73	74	366236	0.03	100427
SCDDH5	74	75	366237	0.41	100427
SCDDH5	75	76	366238	0.2	100427
SCDDH5	76	77	366239	0.25	100427
SCDDH5	77	78	366240	0.48	100427
SCDDH5	78	80	366241C	0	100427
SCDDH5	80	82	366243C	0	100427
SCDDH5	82	84	366245C	0.05	100427
SCDDH5	84	86	366247C	0.04	100427
SCDDH5	86	88	366249C	0.03	100427
SCDDH5	88	90	366251C	0	100427
SCDDH5	90	92	366253C	0.01	100427
SCDDH5	92	94	366255C	0	100427
SCDDH5	94	96	366257C	0	100427
SCDDH5	96	98	366259C	0	100427
SCDDH5	98	99	366261	0	100427
SCDDH5	99	102	366262	0	100427
SCDDH5	102	104	366263C	0.02	100427
SCDDH5	104	106	366265C	0	100427
SCDDH5	106	108	366267C	0.01	100427
SCDDH5	108	109	366269	0	100427
SCDDH5	109	110	366270	0	100427
SCDDH5	110	111	366271	0	100427
SCDDH5	111	112.5	366272	0.02	100427
SCDDH5	112.5	114	366273	0	100427
SCDDH5	114	115	366274	0	100427
SCDDH5	115	116	366275	0.09	100427
SCDDH5	116	117	366276	0.04	100427
SCDDH5	117	119	366277C	0.02	100427
SCDDH5	119	121	366279C	0.01	100427
SCDDH5	121	123	366281C	0	100427
SCDDH5	123	126	366283	0.06	100427
SCDDH5	126	127	366284	0	100427
SCDDH5	127	129	366285C	0	100427
SCDDH5	129	132	366287	0.07	100427
SCDDH5	132	135	366288	0	100427
SCDDH5	135	136.5	366289	0.01	100427
SCDDH5	136.5	138	366290	0	100427
SCDDH5	138	139.5	366291	0.01	100427
SCDDH5	139.5	141	366292	0	100427
SCDDH5	141	143	366293C	0	100427

Hole_ID	From (m)	To (m)	Sample_ID	Au_ppm	Lab_Reference
SCDDH5	143	145	366295C	0	100427
SCDDH5	145	147	366297C	0.03	100427
SCDDH5	147	150	366299	0.2	100427
SCDDH5	150	152	366300C	0.27	100427
SCDDH5	152	153	366302	0.26	100427
SCDDH5	153	154	366303	0.23	100427
SCDDH5	154	155	366304	0.13	100427
SCDDH5	155	156	366305	0.12	100427
SCDDH5	156	157	366306	0.12	100427
SCDDH5	157	158	366307	0.35	100427
SCDDH5	158	159	366308	0.32	100427
SCDDH5	159	160	366309	0.55	100427
SCDDH5	160	161	366310	0.7	100427
SCDDH5	161	162	366311	0.76	100427
SCDDH5	162	163	366312	0.66	100427
SCDDH5	163	164	366313	0.69	100427
SCDDH5	164	165	366314	1.14	100427
SCDDH5	165	166	366315	1.44	100427
SCDDH5	166	167	366316	1.29	100427
SCDDH5	167	168	366317	0.7	100427
SCDDH5	168	169	366318	0.41	100427
SCDDH5	169	170	366319	0.21	100427
SCDDH5	170	171	366320	0.3	100427
SCDDH5	171	173	366321	0.12	100427
SCDDH5	173	174	366322	0.07	100427
SCDDH5	174	175	366323	0.19	100427
SCDDH5	175	176	366324	0.28	100427
SCDDH5	176	177	366325	0.34	100427
SCDDH5	177	178	366326	0.06	100427
SCDDH5	178	179	366327	0.24	100427
SCDDH5	179	180	366328	0.19	100427
SCDDH5	180	181	366329	0.14	100427
SCDDH5	181	182	366330	0.68	100427
SCDDH5	182	183	366331	0.52	100427
SCDDH5	183	184	366332	0.16	100427
SCDDH5	184	185	366333	0.27	100427
SCDDH5	185	186	366334	0.12	100427
SCDDH5	186	187	366335	0.17	100427
SCDDH5	187	188	366336	0.18	100427
SCDDH5	188	189	366337	0.28	100427
SCDDH5	189	190	366338	0.34	100427
SCDDH5	190	191	366339	0.19	100427
SCDDH5	191	192	366340	0.15	100427
SCDDH5	192	194	366341C	0.13	100427
SCDDH5	194	196	366343C	0.11	100427
SCDDH5	196	198	366345C	0.19	100427
SCDDH5	198	200	366347C	0.19	100427