Stonehenge Metals Limited

ABN 81 119 267 391
Unit 3, Level 3 1292 Hay Street, West Perth 6005.
PO Box 255, West Perth, 6872.

Annual Report
Stonehenge Creek
EL 17/2003 and McClean Creek 20M/2001 including Sunshine

9 July 2007 to 9 July 2008 (due 30 June 2008)

Author/Compiled:
D Vaarwerk

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1 Introduction

This report details exploration activities by Stonehenge Metals Limited within EL17/2003 and 20M/2001 during the period to 30 June 2008. All map co-ordinates are relative to the GDA94 datum and located in UTM Zone 55 and use MGA94 co-ordinates.

Exploration Lease EL17/2003 covers an area of seven square kilometres and is located approximately three kilometres southwest of Zeehan on the Tasmanian west coast. The lease was transferred to Stonehenge Metals Limited in 2006 subject to Stonehenge's subsequent listing on the Australian Stock Exchange on 20th December 2006. Mining Lease 20M/2001 McClean Creek (Sunshine) covers 21 hectares and lies within EL17/2003 as shown in Figure 3, for the purposes of completeness and continuity all work done on this mining lease will also be included in this annual report. 20M/2001 was also transferred to Stonehenge Metals Limited in December 2006.

Stonehenge Metals Limited ("SHE") began active exploration of the tenement in January 2007. Its principal targets of interest are Proterozoic shear hosted lead-zinc-silver deposits, carbonate-hosted lead, zinc, silver deposits and ultramafic hosted nickel sulphide deposits. On the lease there are approximately 7km of strike length to explore on three trends each of which contain several historical mines

Figure 1. Location Map showing location of the Stonehenge Lease.

1.1 Location Access and Tenements

EL 17/2003 is located (approx -41.9038 lat, 145.313 long) approximately three kilometres southwest of the west coast mining township of Zeehan. Access to the initial prospects of interest is from the northeast via the Spray Tunnel and tramway, or from the north, southwards from the Trail Harbour Road in and thence via the Britannia or Swansea Tramways. The tramways have a generally well-compacted surface suitable for 4WD during the wet winter months or two-wheel drive during drier periods. 20M/2001 (Sunshine) is located within EL17/2003.

The topography provides varied foot access, ranging from gently to moderately sloping, fairly open, button grass covered ground to, heavily forested gullies and incised steep hill slopes (inaccessible by foot) with relief of three to five hundred metres. The annual rainfall in the area is usually heavy – up to two and a half metres, with most falling in the winter months. Outcrop over both open ground and hill slopes is generally sparse; however tramway cuttings provide excellent rock exposures.

2 Regional Geology

The main features of the regional geology are a large granite dome which intruded a sequence of Proterozoic sedimentary rocks (older than 600 My) during Late Devonian times (c.390 My ago). The granite is known as the Mt Heemskirk granite with the mountain of that name being located in the north east of the granite outcrop and rising to 742m. Mt Agnew, another significant topographic feature, is located in the south eastern area of the granite outcrop, rises to 848m, and lies 9km due west of the township of Zeehan.

The broad regional geology is presented in Figure 2 other tenements that Stonehenge has rights to is also shown on this map.

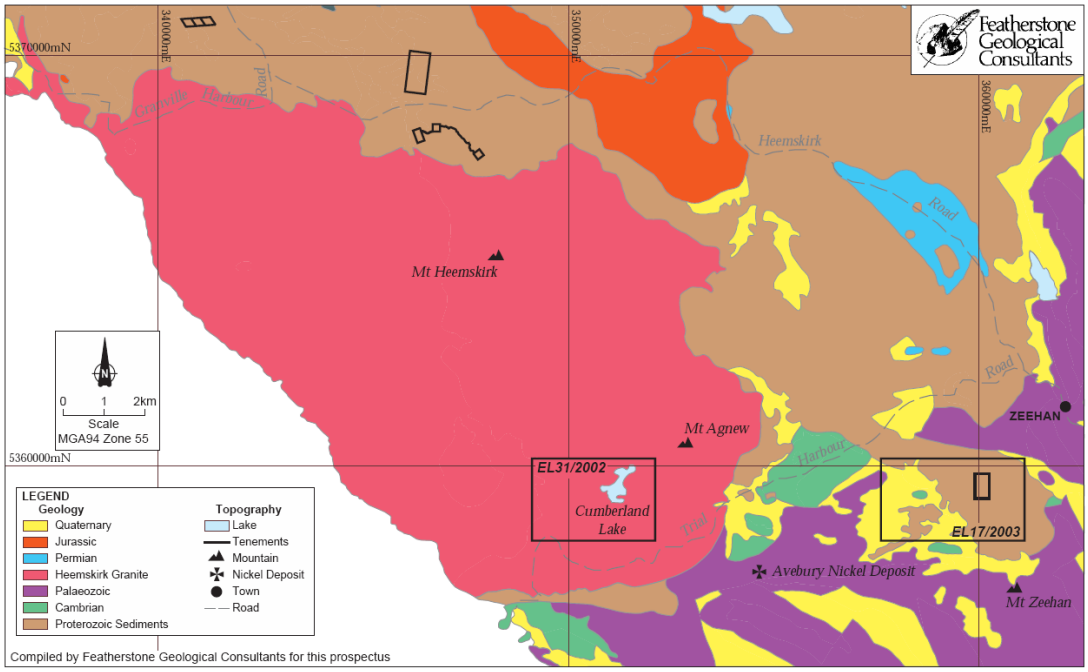

Figure 2. Regional Geology of the Zeehan Area.

The granite is a coarse grained tourmaline rich muscovite granite. Its outcrop is roughly oval in shape, elongated E-W, with the western portions extending to the west under the sea. The

outcrop is 10km north to south and the granite is not homogeneous with several different variations able to be mapped. The intrusion shows chilled margins within 2m to 3m of the contact where it is a fine grained, white, aplitic granite. The main body of the intrusion is formed of a red granite but in some areas a white granite is present and tin mineralisation may be associated with the white granite.

The Proterozoic rocks are mainly quartzite, micaceous quartzite, and black shale of the Oonah Formation. Carbonate rich beds are also present. These rocks have undergone medium grade regional metamorphism and may also have been subjected to contact metamorphic effects close to the granite where they were heated by the granite magma. In the south east and the south rocks of Cambrian age are present and these are also intruded by the granite. These are mostly sedimentary but also include some ultramafic bodies which are attracting attention as part of a new geological model for economic nickel deposits such as that being currently developed at Avebury.

The late stages in the crystallization of the granite resulted in the production of hot saline solutions containing various metallic elements. Stresses produced by the intrusion resulted in faults and fractures in the country rocks and also fractures in the granite itself in some places. The solutions carrying the metallic ions were able to enter some of the fissures and as the solutions travelled along them they began to cool and precipitate minerals which crystallised on the walls of the fissure and formed a vein. Such fissures are called lodes and such mineralisation is referred to as hydrothermal mineralisation. Since different metallic minerals crystallize at different temperatures those that crystallize at higher temperatures are deposited first and the others further along, or up, the lode. This results in a zonation of the mineralisation with high temperature minerals near the granite and lower temperature minerals further away.

2.1 Local Geology

The geology of the region covering the tenement is complex and is comprised principally of the Oonah and the Crimson Creek Formations. The Oonah Formation is of Precambrian age (quartzites, micaceous quartzites, siltstones, shales, graphitic shales and dolomitic units) and has been thrust over the younger Cambrian sediments of the Crimson Creek Formation (interbedded volcaniclastics, basalts, mudstones and shales) by the low angle Tenth Legion Thrust. Five sets of folds have been identified in the area (Upton 1996). The axes of the folds trend north-west with an inferred wavelength of approximately two kilometres. North trending and east trending faults transect the tenement, crenulation cleavage, with variable orientation, is visible in outcrops of phyllite and slate along several of the track cuttings. Fault trends (Devonian?) are generally west-northwest and north-northwest to north-northeast. The Devonian age Heemskirk Granite lies about three to four kilometres to the northwest of the EL and is gravity-inferred to underlie the project area at a depth of 1-2 kilometres.

3 Previous Exploration Prior to Current Tenement

This section was compiled by Featherstone Geological Consultants for the Stonehenge Metals Limited prospectus dated 26 October 2006.

EL 17/2003 is located within the historical South Heemskirk Mineral Field. The general area has been the subject of exploration activity since the 1870s. It contains numerous old Silver-Lead-Zinc fissure-load prospects most of which were worked in the period 1882-1910. The field was left largely untouched from 1919 until 1946 except for occasional, sporadic, relatively low-intensity exploration activity. During the 1980's and 1990s the Stonehenge area was targeted for stanniferous sulphide-rich carbonate replacement (Renison-Bell style) mineralisation by RGC and for Proterozoic shale-hosted zinc deposits by CRAE. CRAE

entered a joint venture arrangement with Allegiance Mining NL during the 1990s; this work resulted in the discovery of the Avebury nickel deposit. When CRA withdrew from the JV (and the state) in 1996, Allegiance gained title to the entire EL. Allegiance relinquished the eastern half of EL 28/88 and seven square kilometres of it was taken up by the McDermott brothers, as EL 17/2003. This holding was subsequently sold to the current holders - Stonehenge Metals Limited – in December 2006.

This Exploration Licence (EL17/2003) contains the Mining Lease (20M/2001) wholly within its boundaries so in describing the thirty three prospects in this area those within the Mining Lease will not be identified separately and all will be described as being located within the Exploration Licence. On the map of the prospects the boundaries of the mining lease will be shown enabling those prospects lying within the Mining Lease to be identified. The locations of the prospects are presented in Figure 3. The location information has been obtained from Mineral Resources Tasmania however the accuracy of the location information can be low.

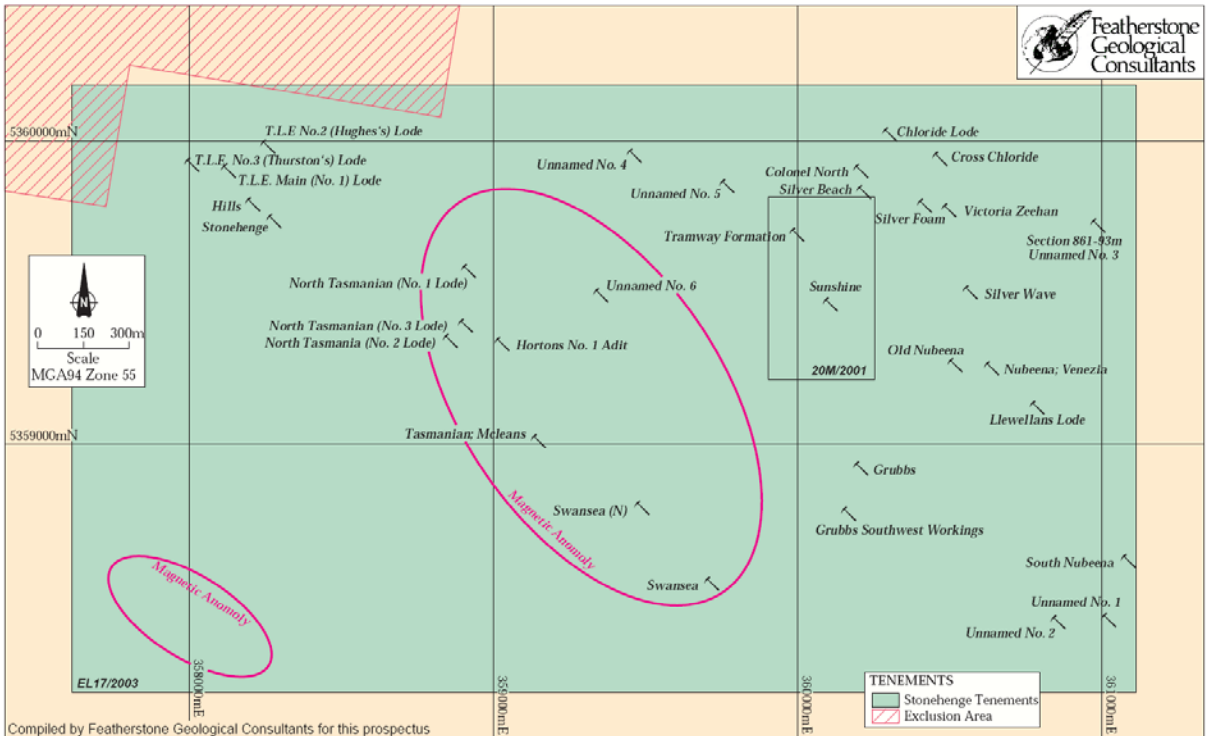

Figure 3. Lead-zinc-silver prospects on the Stonehenge Lease.

The prospects and old mines have been put into two groups based on their location within the Exploration Licence. Recent exploration activity took place on a large grid known as the Stonehenge Grid and this work will be described in a third section. The groups are:

The Tasmanian Mine and South Western Group.
The Grubbs Mine and North Eastern Group.
The Stonehenge Grid.

These prospects were typically pegged and relinquished quite regularly possibly with limited periods of production which will not be described in detail. The basic geology and total recorded production together with any important features of the mineralisation will be presented. In the early days it was the lead/silver ore that was sought after and the presence of the zinc mineral sphalerite incurred penalties. The ore had to be amenable to hand cobbing and hand sorting to produce a high grade product ready for smelting.

If the topography at a mine was suitable a drainage adit would be driven from the nearest low topographic point to remove water from the workings and enable extraction of ore above the adit. After this ore had been won it was necessary to sink a shaft below the water table and this was a problem during the 19th Century and the early days of the 20th Century. At a number of mines shafts were sunk to 50m or so but efficient pumping equipment and the means of powering it were lacking and expensive so it was impossible or uneconomical for many to go deeper.

Exposure within the licence area is poor and selective. The limestones and shales, which drilling indicates are a major proportion of the stratigraphy, are rarely seen in outcrop. One of the features of the area is the presence of numerous outcrops of Precambrian Oonah Formation. Work during the 1990s has confirmed that these areas of Oonah rocks are bounded by sections of the 10th Legion Fault which is present as a low angle thrust. The older Precambrian rocks have been thrust over the younger rocks and subsequent weathering and erosion has removed much rock leaving isolated patches of Proterozoic rock resting on the Cambrian and Post-Cambrian succession in some places. These are known as klippe and these klippen rest on the fragmented thrust plane. Some of the larger klippe of Oonah Formation are reported to be up to 300m thick.

3.1 The Tasmanian and South Western Group

3.1.1 The T.L.E. Prospect

This prospect (Tasmanian Land Exploration) is located on the northwest end of the line of lode in the northwest corner of the licence. The first lease on the property was taken out in 1888. The Main Lode (No.1.) strikes at 36° and dips 75° W with a shaft to about 34m. The No.2. Lode (67m east of No.1.) strikes at 34° and was found soon after and subsequently the No.3. Lode was found to the west of No.1. Lode striking at 356°. In 1913 a government prospecting party cut 830m of trenches near the T.L.E. without success. Some ore was raised in 1925 and the ground held from1951-1959. The Mines Dept. attempted to drill the lode in 1957 but the hole was abandoned at 7m.

The country rocks are Cambrian conglomerate, greywacke, and shale. The Tenth Legion Fault Zone lies a short distance to the north bringing Proterozoic quartzite and slate over the Cambrian rocks. The ore is described as massive pale yellow to mid brown sphalerite with minor galena and quartz gangue but galena rich patches and shoots occur with good silver grades.

Up until 1911 at least 300t of galena was produced containing 200t of lead and 30,000oz of silver. In 1954 5.52t of ore were raised containing 2.85t of lead, 0.76t zinc, and 31oz silver.

3.1.2 Mr Hill's Prospect

The location of the prospect is given on the MRT database. In fact Mr R.B. Hill was a very active prospector in this area in the 1950s and held the T.L.E., Stonehenge, and Tasmanian prospects. The prospect named after him is a small copper show located about 120m west of Stonehenge. The outcrop showed copper mineralisation grading 15% copper. A shaft put down 6m failed to find any sign of a lode or vein.

3.1.3 The Stonehenge Prospect

Located 200m southeast of the T.L.E. Main Shaft this was first pegged in 1888. In 1893 the Stonehenge Silver Mining Co. NL was formed to work the property. The company ceased work in 1894. Approximately 45t of ore was raised containing some 30t of lead and 2,700oz silver.

Three lodes were present striking NNE but only one was exploited. This lode strikes at a bearing of 25° and had a very steep SE dip in the upper workings changing to NW in the lower. The mineralisation was present in a vein of sulphides 150mm wide within quartz siderite gangue 0.5m wide. The sulphides consisted of pyrite and sphalerite with some chalcopyrite with galena as bands and blebs.

In the 1990s CRA a mounted an exploration programme for skarn style mineralisation in calc-silicate hosts and Irish style base metal model mineralisation in limestones and shales. One of the areas identified as prospective was that secured by Stonehenge Metals current tenement. This area was covered by a large grid which had its origin just west of the Stonehenge Mine and also near Stonehenge Creek and was named the Stonehenge Grid. Work by CRA was followed by Renison/Goldfields and then by Allegiance Mining NL. This work will be detailed after the mines and prospects have been covered.

3.1.4 North Tasmanian (No.1) and Tasmanian No. 2 and No.3.

These mines are located about 700m southeast of Stonehenge and were part of a group of mines acquired by the Tasmanian Silver Mining Co. Ltd between the T.L.E. Mine in the northwest and McLeans Creek in the southeast.

At the North Tasmanian Mine there are two lodes. The No.1. Lode strikes at 20° and dips NE. There was a shallow adit drive for about 60m and stoping to surface. A shaft was sunk to 58m with a level at 30m and a good shoot of galena and sphalerite was taken out up to surface. About 65m to the west of the shaft the No.2. Lode was discovered striking at 10° and dipping 80° W. This was worked from adit stopes to surface for about 50m.

The Tasmanian No.3. Lode may be a faulted continuation of the No.2. Lode. It was discovered by a tributor named Riley and is also referred to as Riley's Workings. The lode strikes at 322° with a vertical dip. The ore was not of high grade at 20% lead and 40% zinc and a 16t parcel failed to cover cartage costs due to penalties for the zinc content so mining was halted.

These workings are in Proterozoic Oonah Formation and also Cambrian Dundas Group basalts, shales and greywackes. The host rock for the No.1. Lode is hydrothermally altered soft pale shale of the Oonah Formation. The vein consists of pyrite, siderite, and sphalerite, being replaced by galena and arsenopyrite with the galena containing minor copper mineralisation.

Production figures for these mines are not quoted but the production is included in the figures for the Tasmanian Mine.

A government prospecting trench 350m long was put in about 70m north of Main Shaft in 1913 on a bearing of 70°. No mineralisation was found. In 1957 three boreholes were drilled by the Mines Department under the No.3. Lode for 29.6m, 29.9m, and 31.4m depressed at 55°. A few veinlets of galena, sphalerite, and pyritized shale were cut and the results discouraged further exploration.

3.1.5 Tasmanian Mine

The Tasman Mine is also known as Tasmanian; McLeans. The Main Shaft is situated 640m SE of the North Tasmanian shaft. The mineralized zone was traced NNW from the Swansea Mine about 750m to the SSE in 1888 passing through Swansea North.

An adit was driven the on the lode and its bearing for 64m but no mineralisation was found after 36m. The ground was described as "broken and the lode was found not to rise into it." The northern part of the workings lie within sheared and shattered Proterozoic quartzite,

siltstone, and shale which are faulted to the south against Cambrian chert-conglomerate and siltstone. The lode strikes at 327° and generally varies from 0.5m to 1m but may be up to 1.5m. The ore is sphalerite – pyrite associated with quartz

The main shaft was sunk to 22m. Stoping was carried out up to the adit level. Sulphide mineralisation ranged from 100mm up to 1.2m wide but was patchy and contained much sphalerite. Little production until 1933 when it was acquired by J.Hill. There was steady production to 1941. From 1942 until 1961 the lease was held by J. J. Hill and small quanitities of ore were produced spasmodically.

Total production for the Tasmanian Mines was 1,200t for 730t of lead, 41,299oz silver, and 8t of zinc.

3.1.6 The Swansea North Shaft

This shaft is located about 300m NNE of the Swansea Mine and is on the extension of the lode from the Swansea Mine and is really part of that mine. The workings can be followed to within 30m of an E – W cross-cutting fault about 50m north of the shaft.

3.1.7 The Swansea Mine

The mine is located 200m north of McLeans Creek. The lode channel strikes at 335° and dips shallowly at about 45° and is 9.9m wide. The sulphides occur in shoots striking obliquely across the channel at 319°. These shoots tend to anastomose within the lode and extend along strike to the NNW for 320m just past the Swansea North Shaft. Host rocks are considered to be Cambrian (Dundas Group) sediments.

The lode was worked to the No.4. Level at 46m but the lowest level was only just being developed when the mine closed. There were three main ore shoots in the upper levels with two of them merging at the No.2. Level (24m) and it was thought that development on the No.4. Level (46m) would find that they had merged into one shoot at this depth.

In 1922 A. M. Reid reported the presence of a narrow pyroxenite dyke at Swansea striking NW and bearing small quantities of various nickel sulphides. This dyke therefore lies roughly along the axis of the large magnetic anomaly on this tenement. The occurrence of nickel sulphides within the magnetically anomalous area does not confirm the presence of prospective nickeliferous ultramafic rocks at depth but is certainly a very positive feature.

Production to 1929 was 2,260t of galena ore and 1,240t of sphalerite ore containing 1,340t of lead, 35,630oz silver, 579t zinc, and 41t cadmium.

3.1.8 The Silver Wave

This mine is located about 700m east of the North Tasmanian Mine.
This mine worked two main lodes bearing at 30° and dipping NE at 80° and consisted of fracture zones containing veins of galena. It had a shaft to 12m and operated during the early years of the field. Production took place under the ownership of the Nubeena and also the Victoria Zeehan mining companies and was not reported separately.

3.2 The Grubbs Mine and North Eastern Group.

3.2.1 The Grubbs Mine

This mine is located just south of the centre of the eastern half of EL17/2003 on the eastern side of McLeans Creek. From 1888 to 1903 the mine was worked by W.C.Grubbs when it was taken over by Colonel North Mines and Railway Co. NL. The author inspected the exposures at the mouth of the adit and the lode material on the stockpiles.

This was one of the more substantial mines with the main shaft finally sunk to 98m with five levels developed. The mine closed due to lack of ore but the reason is not clearly explained. The lode may have been faulted out between the No.4. and No.5.Levels, where a fault is shown on a section of the mine. While this might be the case the mineralisation was reported to be weakening with depth and below the three level there was sphalerite veining reported but little galena. The proportion of recovered silver to lead at close down had fallen to half that at the start of mining and together with the galena ore becoming less abundant with depth mining may have become uneconomic.

The Beauments Prospect is located just east of Grubbs Mine but data on what was found has not been sighted.

3.2.2 Colonel North

The shaft here was sunk by Grubbs Silver Mining Co. NL in 1890. The operation was suspended in 1896 due to financial difficulties and was sold to Colonel North Mines and Railway Co. NL in 1903. This company bought up a number of properties in this area and had mining operations on several of them at different times. The shaft was sunk to a final depth of 61m. A crosscut was then driven northeast from the bottom level but not completed. Further work on this crosscut was carried out by Silver Beach tributors and then the Victoria Zeehan Co. with it being driven a total length of 137m. The end of the crosscut intersected two barren quartz siderite lodes. No Further work was reported.

The mineralisation was in two lodes dipping to the east. The sulphides were in siderite quartz gangue.

3.2.3 The Sunshine Prospect

This prospect is located south of the Colonel North mine.

The strike here is NE and roughly parallel to the strike of the Grubbs lode but is off line to the east. Mineralisation and gangue material along the lode may be present in the wall of the current shallow pit but is difficult to interpret. A 22m long adit was driven by the old miners along the structure.

There is no lode structure visible in the main area of the shallow pit that has been excavated by McDermott Mining P/L (MDM). Prior to mining by MDM there was a small hill about 30m high on this site. The pit is in a broad zone of pyritic material which looks like a loose fine black sand containing rock fragments that are hard to see or pick out until the material is washed when the fragments can be separated. These appear to be fragments of slate that are bleached and contain mostly sphalerite with some galena. This material is believed to be an eluvial deposit formed by the near surface enrichment of sulphides by the solution of the carbonates forming a calc-silicate. This process has left a layer of black sulphidic sand sitting on what is surmised to be limestone underneath. The chemistry of this process has not been established but it is possible that a low pH in the swampy peaty conditions combined with the acidic products of the weathering of pyrite has led to solution of the calc-silicate leaving the minerals that were dispersed within it to accumulate. The black sand is reported to be commonly found on calc-silicate units. The zinc grade of these deposits is considered to be related to the presence of stratiform mineralisation in the limestone and is very likely to form ore bodies.

No production reported to MRT.

3.2.4 The Tramway Formation

This located on McLeans Creek just east of Grubbs Tramway about 300m SW of the Colonel North Shaft.

The lode is 1.2m wide containing a sulphide vein 450mm wide. The gangue is porous quartz and pyrite with galena and sphalerite veining. The lode is exposed in two holes but trenching north and south has failed to pick it up.

To the NW of this prospect are two unnamed sites where minor prospecting has been carried out.

3.2.5 Silver Foam Adit and Shaft

In 1901 the Silver Foam Tributing Co. drove an adit 183m NE from a point near the tramway 60m west of the later Victoria-Zeehan Shaft. The target was the southern extension of the Spray No.1. Lode from the Spray Mine to the north. Records are not consistent but it seems probable that the intersection with the lode was made at 127m. It was then driven for 25m to the north but only a little pyrite was found. Some patches of galena were found in a winze sunk 18m. Only traces of galena occurred on the hanging wall in a shaft sunk 30m from the adit. At the 15m level in the shaft the Victoria-Zeehan Co. later found a small vein of jamesonite and galena which was followed for 8m.

3.2.6 The Victoria-Zeehan Mine

This is located ESE of the Colonel North Shaft. In 1907 a shaft was sunk by the Colonel North Mines and Railway Co. NL to a depth of 95m. A crosscut was driven east for 66m with the Spray No.1 lode being intersected at 56m. The lode was 1.8m wide and was driven on for 47m where a thin vein of galena was found. Further driving was prevented by an inrush of water which flooded the lower part of the mine. More powerful pumping equipment was installed in 1909 but failed to drain the shaft.

In 1908 recorded production of 28.5t of ore (including ore from the Foam Adit)

Approximately 100m east of the Victoria-Zeehan Mine some un-named prospecting has taken place.

3.2.7 Office Adit

From about 60m due south of the Colonel North Shaft the Silver Beach Tribute Party drove an adit 183m to the NE. Three siliceous gossans were intersected within the decomposed slate but no mineralisation of significance was found.

3.2.8 Chloride and Cross Chloride Lodes

The Chloride Lode lies 150m N of the Silver Beach Adit and the Cross Chloride 200m ENE. The lode contains bands and nodules of hematite and limonite bearing silver chloride and native silver which were worked by tributors around 1900. Small patches of ore are reputed to have graded 1,000 oz/t but average stoped ore graded 40 oz/t.

3.2.9 Silver Wave Workings

These consist of a shaft and several adits and are found about 400m due east of the Sunshine Mine. The Silver Wave Tributing Party explored at least one ore body striking NNW and dipping east prior to 1900. Further investigation by later parties also found small sphalerite veins with galena that were rapidly worked out.

3.2.10 The Nubeena Workings

These workings extend SSE in a line from the Silver Wave Workings. The Old Nubeena workings are located about 100m to the W of Nubeena; Venezia and were on a galena-pyrite lode striking at 17° and dipping east. The mineralisation was first discovered in 1889. The vein was reported to be up to 120mm wide. The vein was subsequently driven on for 40m and the lode drive was accessed from a crosscut adit. Production was small and intermittent and the property changed hands frequently over the following years with another lode drive being driven above the original one.

In 1904 at the Nubeena Venezia an E-W adit was driven and intersected three lodes – Jaeger's, No.1., and Barnet's. Jaeger's Lode was up to 1.5m wide with 150mm vein of galena but limited stoping revealed the mineralisation was irregular. The No.1. Lode contained only minor veining and was not exploited. Barnet's Lode was intersected 60m east of Jaeger's and was a quartz lode in slate with patches of ore and a 150mm vein near the footwall. It was driven on for over 50m and stoped to a height of 30m over a strike of 45m.

About 100m ESE of Venezia adits were driven in 1904 that found Llewellin's lode. Two lode drives were driven one 12m above the other. The mineralisation was patchy but a shoot about 12m long and up to 0.5m thick was found in the upper lode drive.

The country rock in the Nubeena locality appears to have suffered greater stress than the surrounding areas and the rocks are highly fissured and faulted. The mineralisation that is present is more variable than that typically found in the Zeehan field which makes it difficult to assess and mine.

It has been estimated that about 500t of concentrates were produced from the Nubeena Mine containing around 325t of lead and 42,000oz of silver.

3.2.11 South Nubeena

This lode was considered to be like Llewellin's Lode. The galena veins were only up to 50mm wide but assayed at 70% lead and 100 oz/t silver. About 78t of ore were produced containing 50t of lead and 7,000oz silver.

About 220m and 530m south of South Nubeena prospecting has been conducted but these areas are not named and there is no information on them.

3.2.12 Summary

This completes the descriptions of the old workings on EL17/2003. In most of these mines the narrow veins present are not economic to mine today. The zinc ore, sphalerite, that is present in most of them was not of interest when these mines operated but is a saleable item today. It is possible that a modest profit could be made by recovering a sphalerite concentrate from those lodes containing a wide vein of sphalerite that has been left. This possibility is worth a brief investigation to establish minimum economic parameters and determine if a suitable lode exists. Mines such as Grubbs should be reviewed in the light of current market conditions

3.2.13 Regional Exploration Programmes.

Between 1946 and 1960 Zeehan Explorations Pty Ltd (a joint venture between North Broken Hill and Broken Hill South) carried out ground surveys to determine the continuity of the Spray – Nubeena lode zone and initiated the BMR managed magnetic, gravity, and electrical, surveys. The work obtained some encouraging responses around the Oceana Mine which was then re-opened and subsequently produced 131,000t of ore grading 11.6% Pb, and 4.87 oz/t silver between 1954 and 1960. The Mineralisation here was recognised by

Amoco (Cyprus Mines) as both stratiform and epigenetic stratabound within the Gordon Limestone and of the sediment hosted exhalative (Irish) type.

From 1966-1970 Placer Prospecting Pty Ltd focussed their attention on the Spray Mine conducting a TURAM EM survey over the main lode. Minops Pty Ltd farmed into the project and drilled several holes. This work was largely to the north of Stonehenge Metals tenement.

From 1970-1972 Tenneco Pty Ltd dewatered, sampled, and drilled the Spray Lodes. They cut a jamesonite lode (0.2m at16.8% Pb, 0.08% Zn, 8.8% Sb, 1.4% Cu, and 271 oz/t Ag.) but it was of very limited extent. A TURAIR airborne EM survey covered much of the Gordon Limestone outcrop. Follow up gravity, Turam ground EM, and SP surveys, produced mixed results. Again this work concentrated mainly to the north of Stonehenge Metals tenement.

From 1974 Mt Lyell Mining and Railway Co. Ltd (SPL129 granted 1973) and Renison Ltd (EL11/1976 granted 1976) commenced an extensive programme of exploration on the area between the coast and Zeehan. Prior to this most exploration had consisted of further investigation of known deposits. In 1976 EL11/1976 covered the area from the coast to the east covering most of the Hemskirk Granite and SPL129 covered the Proterozoic and Early Palaeozoic rocks around the granite margin to the south and south east and across to south of Zeehan. The easterly area of the SPL included the ground currently held by Stonehenge Metals with EL17/2003. Gold Fields Exploration Pty Ltd (backed by RGC Ltd) joined Mt Lyell and Renison and became operator of the JV which continued until 1986.

In 1974-75 the Barringer Input Airborne EM System was trialed and obtained a number of conductive anomalies with associated magnetic anomalies. In 1981-82 the Turair and Dighem airborne EM systems were compared. The Dighem was considered to be more sensitive and gave similar responses to the Input system. In 1982-83 the ground based VLF EM was used as follow up and identified weaker anomalies than Dighem.

In 1980 more detailed ground work commenced and major grids were established over the Federation and Mt Agnew areas and in 1982 the Stonehenge Grid was put in over the north eastern area of the SPL. It seems it was named Stonehenge because the origin of the grid lies to the NW of the prospect of that name and also the creek of that name. This grid covered most of the area now held by Stonehenge Metals. In 1983 a DIGHEM survey was carried out over the grid and a report on the results of geophysical surveys was made. SPL129 was amalgamated into EL11/1976 in 1984. The Gold Fields group drilled six DC holes (TH12-17) completing the programme in 1985-86. With no further work recommended the licence was surrendered in 1987.

The Exploration Licence EL28/1988 was granted to the Duke of Avram in 1988. In May 1989 it was acquired by Major Mining Ltd. This was a large licence with the main body of the tenement extending 17km from the coast in the west, to east of Zeehan in the east, and 9km north to south. The licence also had a narrow arm extending north from its eastern margin to north of Zeehan. EL17/2003 of Stonehenge Metals was located within this licence on its north eastern boundary.

This company initially focussed its interest on an area to the south east of the Comstock Mine looking for extensions to this mineralisation. This work just extended into the north western corner of Stonehenge Metals' tenement.

3.2.14 The Stonehenge Grid (renamed Tramway)

The airborne EM anomalies were followed up with bedrock geochemistry, ground magnetic , VLF EM, and gradient array IP surveys. R.Poltock, for Renison Ltd, mapped the eastern end of SPL129 in detail during May-June 1981 however exposure is generally poor in the area.

Part of the area mapped is shown on Figure 8 which also shows the location of the drilling carried out at various times.

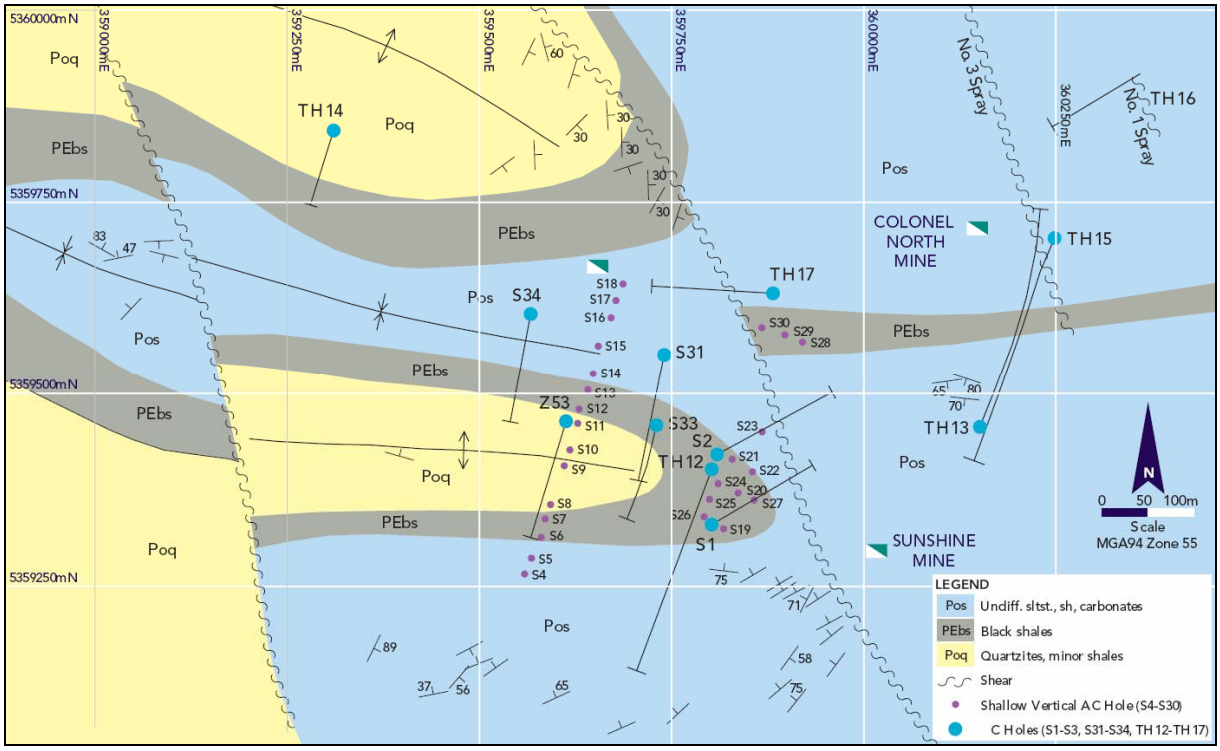

Figure 4. The Stonehenge (Tramway) and Sunshine area.

In May 1983 a DC hole TH12 was drilled in an attempt to test the broad VLF EM anomaly at depth. The hole was collared at 359911.3 mE and 5359567.5 mN MGA on a bearing of 199° and depressed at 55°. The summary log is :-

Depth m	TH12
0 - 10.5	Pseudo-gossan and clay
32.0	Black Shale
41.0	Mineralized fault breccia
59.0	Dolomite
79.3	Poor recovery zone
82.0	Mineralized fault breccia
128.5	Dolomite
129.8	Fault breccia
280.7	Interbedded black shale and sandstone
398.7	Spilite
400.0	Fault breccia
401.5	Spilite

The intersected dolomitic sedimentary horizon, although unmineralized in this hole, is a suitable host rock for skarn type replacement mineralisation.

Two significant base metal rich fault zones were intersected which also contained high values of arsenic and antimony but below 0.01% Sn.
32.0–42.0m : 0.06% As, 0.02% WO_3 , 0.02% Cu, 1.0% Pb, 2.49% Zn, 32 g/t Ag, 0.04% Sb.
79.0-82.0m : 0.25% As, 0.07% WO_3 , 0.85% Cu, 1.0% Pb, 10.3% Zn, 261 g/t Ag, 0.73% Sb.

This hole reached a depth of 329m below surface but has not revealed the source of the VLF EM anomaly. The location of the prospects can be inaccurate but Mineral Resources Tasmania recently undertook checking of reports and issued revised location data which was used in compiling Figure 7.

In 1983-84 a further three holes were completed. DC hole TH13 was drilled to test the southern extension of the Spray No.3. Lode. It was collared 200m NNE of Sunshine at 360261.0 mE and 5359613.3 mN MGA on a bearing of 21° and depressed at 46°. The summary log is:

Depth m	TH13
0 - 10.0	Surface debris
- 64.0	Poor recovery – weathered dolomite or fault zone
- 75.3	Mineralized breccia
- 165.5	Altered dolomite
- 220.2	Dolomitic siltstone
- 272.8	Shale
- 389.7	Dolomite
- 397.7	Black shale
- 418.2	Dolomite
- 421.0	Quartz dolomite vein
- 431.2	Dolomite

Assay Summary
64.0-75.3 : <0.01% Sn, <0.01% WO_3, 0.13% Pb, 0.43% Zn, 6 g/t Ag.
87.0-148.0 : <0.01% Sn, 0.01% WO_3, 0.90% Pb, 0.59% Zn, 29 g/t Ag.
418.2-422.0 : <0.01% Sn, <0.01% WO_3, 0.01% Pb, <0.01% Zn, 1 g/t Ag.
The last intersection above is interpreted to be the extension of the Spray No.3. Lode.

DC hole TH14 was designed to test a brecciated sandstone with a combined geochemical and VLF EM anomaly and was collared 1km NNE of the Tasmanian at 359429.4 mE and 5360023.6 mN MGA on a bearing of 202° and depressed at 55°. The summary log is :-

Depth m	TH14
0 - 37.8	Weathered siltstone and shale
- 48.6	Weathered fault zone
- 55.1	Black shale
- 58.7	Fault zone
- 67.4	Dolomitic siltstone and shale
- 68.5	Breccia
- 125.7	Silty sandstone
- 170.0	Sandstone

Assay Summary
37.8-48.5 : <0.01% Sn, <0.01% WO_3, 0.12% Pb, 0.04% Zn, 2 g/t Ag
55.1-58.7 : <0.01% Sn, <0.01% WO_3, 0.12% Pb, 0.04% Zn, 1 g/t Ag.
143.1-147.0 : <0.01% Sn, <0.01% WO_3, 0.02% Pb, 0.01% Zn, 7 g/t Ag.

The target returned 10.7m at 0.12% Pb, 0.04% Zn, and 2 g/t Ag.

DC hole TH15 was designed to test the southern extension of the Spray Lodes. It was collared 500m NNE of Sunshine and drilled at the opposite azimuth to TH13. Collar at 360360.6 mE and 5359877.8 mN MGA on a bearing of 201° and depressed at 60°. The summary log is :-

Depth m	TH15
0 - 61.4	Quartzite
- 206.0	Fault zone (breccia and clay)
- 240.8	Interbedded black shale and dolomite
- 305.7	Black shale and siltstone
- 369.2	Interbedded black shale and dolomite
- 464.1	Black shale
- 487.3	Interbedded black shale and dolomite
- 508.85	Dolomite
- 518.6	Black shale
- 521.6	Pyritic mineralized zone
- 557.8	Dolomite
- 563.75	Pyritic mineralized fault zone
- 599.0	Dolomite and minor black shale

Assay Summary
61.4-100.5 (39.1m) : >0.01% Sn, <0.01% WO_3, 0.30% Pb, 0.21% Zn, 7 g/t Ag.
167.0-191.0 (24m) : <0.01% Sn, <0.01% WO_3, 0.27% Pb, 0.54% Zn, 1 g/t Ag.
557.8-563,75 (5.95m) : <0.01% Sn, 0.43% As, 0.01% WO_3, 0.08% Cu, 0.22% Pb, 0.12% Zn, 35 g/t Ag, 0.05% Sb.

This hole intersected a different sequence from that in hole TH13 which could result from several different possibilities but the geology is not well known enough to confidently state what is the correct interpretation. This hole again intersected zones of low grade mineralisation.

In 1985 additional ground EM surveys and ground magnetic surveys were performed and two more DC holes were completed on the Stonehenge Grid.

Hole TH16 was drilled in a further attempt to locate extensions of the Spray mineralisation to the south. This hole was just outside the northern boundary of Stonehenge Metals licence and intersected the Spray No.1.Lode in shale and sandstone instead of in dolomite as planned. The intersection at 333m (200m vertical) was interesting in being devoid of lead, zinc, and silver, but anomalous in tin, arsenic, and copper, which is interpreted to confirm the expected mineral zoning with tin increasing with depth. The planned down hole geophysics had to be abandoned when the hole blocked after the steel casing was removed and before plastic casing could be inserted.

Hole TH 17 was designed to investigate a subtle combined magnetic and EM anomaly located in what is now the north east corner of Stonehenge Metals current tenement. The anomaly was considered to be due to graphitic black shales and limited assaying was carried out.

None of the above drilling targeted the strong magnetic anomaly which modelling estimates should lie at a depth of 400m.

In March 1986 the poor tin prices were stated to warrant a review of the project and it was proposed that the exploration licence be reduced to roughly the ground now covered by EL17/2003. It is not known if this recommendation was followed but all the ground had been relinquished by 1988 when it was acquired by the Duke of Avram and Cavenridge Pty Ltd as EL28/1988 granted on 09/11/88. This and several other licences were acquired by Major Mining Ltd in May 1989 (name change to Allegiance Mining NL in 1993) and consolidated into one as EL28/1988 of 129 km^2. Major Mining mounted some geophysical exploration

programmes then on 23rd April 1991 formed a joint venture partnership with CRA (Rio Tinto Exploration Pty Ltd). CRA considered the Zeehan area showed fundamental similarities with Lawn Hill in NW Queensland and was prospective for shale hosted stratabound Zn-Pb deposits.

In 1992 CRA conducted geochemical testing of IP targets near the Sunshine workings which were encouraging with IP suggesting a possible strike of 1,000m. The valley running west of Sunshine and the swamp near the workings were anomalous. The Stonehenge Mine was also identified as a target area within the TLE to Swansea trend. Three DC holes were drilled near Sunshine with S1 and S2, 100m apart, investigating mineralisation in the Grubbs Shear NW of Sunshine. S3 was collared about 200m west of S1 to test the potential for stratiform mineralisation in the black shale, refer to Figure 8.

DD92ZS1 Collared at 359912 mE 5359483 mN MGA on a bearing of 61° depressed at 50°.
DD92ZS2 Collared at 359912 mE 5359568 mN MGA on a bearing of 61° depressed at 45°.
DD92ZS3 Collared at 359737 mE 5359633 mN MGA on a bearing of 201° depressed at 45°.

Intersections better than 1% Zn were :-
DD92ZS1 - 119.2-121.35m - 2.15m at 7.8% Zn, 10.1% Pb, 191 g/t Ag.
- 150.5-162.35m - 12.35m at 2.1% Zn, 0.4% pb.
- 223.8-232.65m - 8.85m at 1.5% Zn, 0.4% Pb.

DD92ZS2 - 100.5-112.0m - 11.5m 4.1% Zn, 1.1% Pb, 10 g/t Ag.
- 124.0-136.0m - 12.0m at 1.8% Zn, 0.4% Pb, 19.5 g/t Ag.
- 190.25-190.5m - 0.25m at 20.0% Zn, 12.3% Pb, 415 g/t Ag, 2.9% Cu, 2.2% Sb.

DD92ZS3 – 159.5-160.6m – 1.1m at 3.5% Zn, 0.1% Pb, 19 g/t Ag
This mineralisation was present as a 5mm wide sphalerite-dolomite vein along the core.

This drilling of the Sunshine black shale in 1992 showed the mineralisation is dominated by shear controlled ankerite-sulphide veins of limited tonnage potential. No stratiform base metal sulphides were intersected. AC drilling of the Sunshine mineralisation was recommended even though it was probably too small for CRA.

In 1995 geochemical sampling by two 300m traverses of AC holes (27 labelled S4 to S30) spaced at 25m was undertaken, see Figure 8. Holes were shallow and drilled to sample fresh bedrock. Sampling was over 3m intervals and analysed for Ag, Fe, Mn, Cu, Pb, and Zn. A follow up DC hole DD95ZS31 (S31) was drilled on the geochemical anomaly revealed by the AC programme. S31 yielded an intersection of 6.5m at 6.3% Zn, 2.9% Pb, 41 g/t Ag, from 34m with several lower grade intervals deeper down. Recoveries in the shale were poor reducing confidence in the grade estimates. The sphalerite/galena mineralisation is hosted in black shales at the contact with an underlying mixed siltstone-dolomitic limestone-sandstone sequence. The bedrock sampling indicated a 400m strike length for this mineralisation. Diamond drilling of this target to establish a resource was recommended. Structural mapping of the target area was undertaken during 1996 showing that the area is structurally complex. Two phases of sulphide mineralisation were recognised. The first pre-cambrian stratiform pyrite in black shale and the second Heemskirk granite related veins (and one skarn) of Devonian age.

In 1997 relinquishment of 55% of EL28/1988 to 28.7 km^2 was followed by a farm out agreement with Allegiance Mining NL.

In 2000 Allegiance Mining drilled two DC holes S33 and S34.
S33 Collared at 359847 mE and 5359728 mN MGA on a bearing of 192° and depressed at 50°, EOH 150.5m.

S34 Collared at 359679 mE and 5359796 mN MGA on a bearing of 191° and depressed at 50°, EOH 245m.

S33 was designed cover the same geology as S31 at a deeper level and S34 to test the mineralisation 200m to the west, refer to Figure 8. Core recoveries in the black shale were extremely poor with no core from 87.0 to 102.0 in S33 which interval appears to correlate with the high grade interval in S31. Poor recoveries were experienced in the black shale and particularly where it was mineralized.

Allegiance then decided to concentrate all their attention on the Avebury nickel sulphide deposit about 10km WSW of Sunshine and therefore in October 2002 they relinquished the eastern portion of EL28/1988 containing the Stonehenge grid. The area was then granted to McDermott Mining Pty Ltd (MDM) in 2003.

MDM have since carried out limited prospecting activities on some of the mines within EL17/2003. The Sunshine Mine was given more attention than most with mining and minor treatment of the shear hosted sphalerite.

4 Exploration by Stonehenge Metals Limited

4.1 Introduction

Prior to the current year to July 2008, Stonehenge Metals conducted the following work on the Stonehenge Creek lease.

1. Compilation of historical, geological, geochemical, geophysical and topographic data into a GIS (MapInfo) database.
2. Preliminary mapping of the Sunshine and Swansea prospects
3. Geochemical sampling of the Sunshine and Swansea prospects
4. Track rehabilitation and repair to allow drilling access
5. Diamond drilling of the Sunshine Prospect
6. Geophysical survey

4.2 Data compilation, Mapping and Geology

The geology of the tenement was mapped at 1:5000 scale by Upton (1997) as part of an Honours Thesis. Stonehenge Metals (SHE) is using a digitized version of this work as a base-line mapping tool. Initial reconnaissance work on the tenement has shown it to be characterized by generally good outcrop and sub-crop with best exposures to be found in tramway cuttings and along creek water courses. The geology of the tenement is comprised of various units of the Precambrian Oonah Formation overlying at a low angle (thrust) the Cambrian sediments and volcanic rocks. The Sunshine prospect was investigated in more detail.

Preliminary field preparations were carried to allow access for geochemical sampling and drilling. At the Sunshine prospect the road was repaired, drill pads and sump bunds were prepared at seven sites. At the Swansea prospect, overhanging bushy overgrowth alongside approximately two kilometres of the Swansea tramway was cleared using an excavator. The surface of the tramway itself was left undisturbed due to its historic significance. Culverts were repaired or emplaced in four sites where the tramway had been washed out. Use of the tramway will enable SHE to access the Swansea Prospect's planned drill sites that are located adjacent to the abandoned Swansea lead-silver mine. A short side track, approximately one hundred metres long, has also been prepared approximately 300 metres north of the Swansea prospect, adjacent at the old Swansea North lead-silver mine.

4.3 Geochemical Sampling

During February and March 2007 previous geochemical sampling was compiled for the Sunshine prospects. Sample locations were confirmed and assays tabulated.

Sample	Type	Width	Zinc %	Composite
SCH1	Channel	2	40.3	10m @ 22% Zinc
SCH2		2	15.9	
SCH3		2	6.98	
SCH4		2	35.9	
SCH5		2	11	
S20	Selected rock chip samples	-	33.1	Average grade of all 26 rock chip samples 9.4% Zinc
S3		-	32.20	
S23		-	20.20	
S6		-	18.7	
S22		-	17.10	
S2		-	16.40	
S19		-	15.9	
S14		-	13.4	
S26		-	11.60	
S25		-	9.58	

To verify the historical sampling follow up sampling was carried out at Sunshine and Swansea. Samples were taken from Mullock dumps and stockpiles and outcrops. The results confirmed to historical data and follow up drilling was planned.

Sample	Cu	Pb	Zn	Ag	Ni
	ppm	%	%	ppm	ppm
SS0001	16800	7.29	1.52	159	140
SS0002	1770	6.51	7.36	54	160
SS0003	4570	13.9	10.4	138	120
SS0004	2830	5.70	5.73	52	85
SUN0001	490	3.18	37.1	174	30
SUN0002	180	1.00	2.26	21	60
SUN0003	400	16.1	38.2	296	20
GB001	1020	2.90	40.8	142	30
GB002	400	0.18	0.23	25	180
GB003	250	0.25	8.15	33	40

4.4 Drilling and Sampling

SHE completed its initial diamond drilling program at the Sunshine Mine Prospect in late April, 2007. The company's aim at Sunshine was to prove up an open-cut zinc+/-lead+/-silver resource. A total of seven diamond drill holes have been drilled at Sunshine for a total of 348.45 metres.

4.5 Ground Conditions

Difficulties were experienced in recovering core from the very soft clay/pug target zone. An attempt was made to overcome this by slowing the drilling penetration rate and increasing the core diameter to P3, however core recoveries remained problematic. The drilling size was then switched to HQ with chrome sleeve. This marginally increased recovery levels.

4.6 Surveying

Drill collar locations were based on GPS coordinates using GDA94 zone 55 datum. Down hole camera shots were taken every thirty metres using a Kodak Eastman camera.

4.7 Sampling and Logging Procedures

Geology was logged every metre down hole and summarised by lithology. Recovery was measured and samples taken using geological boundaries taking recovery issues into account.

The drill core from the zone of interest was split and half metre and one metre samples (depending on section recoveries) and sent to the Burnie Research laboratory for analysis of lead, zinc, silver, copper and gold.

4.7.1 Assay quality control checks

Stonehenge Metals assay quality control checks consist of blank and standard samples being submitted to the Burnie Research laboratory on a regular basis and the returned results monitored. Stonehenge Metals monitor standards daily prior to downloading results and graph data monthly to analyse trends.

4.8 Aero Magnetic Survey

GPX Airborne of Perth W.A. completed a helicopter magnetic and radiometric survey over EL 17/2003. The results were still being compiled and interpreted at the time of the 2007 annual report, the results are included in the reporting period to July 2008.

5 Work completed during the report period

5.1 Summary

Stonehenge Metals Limited conducted a significant amount of work on the Stonehenge (EL17/2003) and Sunshine (21M/2003) leases during the reporting period. This work included;

- Drilling of 7 RC drill holes for 297m and 9 Diamond drill holes for 609.5m at Sunshine (21M/2003), 10 diamond drill holes for 346m at Swansea and two diamond drill holes for 1023.6m at the Stonehenge nickel project (one located in the Swansea area).
- Detailed topographic survey of the Sunshine area (21M/2003) and drill collar positions as indicated in the collar file.
- Interpretation and modelling by Southern Geoscience Consultants of aeromagnetic data commissioned by Stonehenge Metals Limited in the previous reporting period.
- Downhole EM survey by Outer-Rim Exploration Services on the two holes drilled within the Stonehenge nickel project.
- Definition of a JORC code compliant resource at the Sunshine deposit.
- Petrology on the two holes drilled at the Stonehenge nickel project.
- Maintaince of access tracks.
- Further compilation of historic reports.

5.2 Literature and data review

A search for historic data from the MRT website covering EL17/2003 (Stonehenge) and 20M/2001 (Sunshine) was completed. Historical geochemical data was collated and entered into a spreadsheet and reviewed in GIS software, the digital data is included in the digital report. A significant base metal anomaly was identified which requires follow up work. The historical reports have been subjected to Optical Character Recognition with Adobe Acrobat software to allow most of the text in the reports to be searchable and editable in Adobe

Acrobat software. Much of the text data may also be transferred to other computer software. The reports have been included in the digital appendices.

5.3 Regional Activities

5.3.1 Activity Map

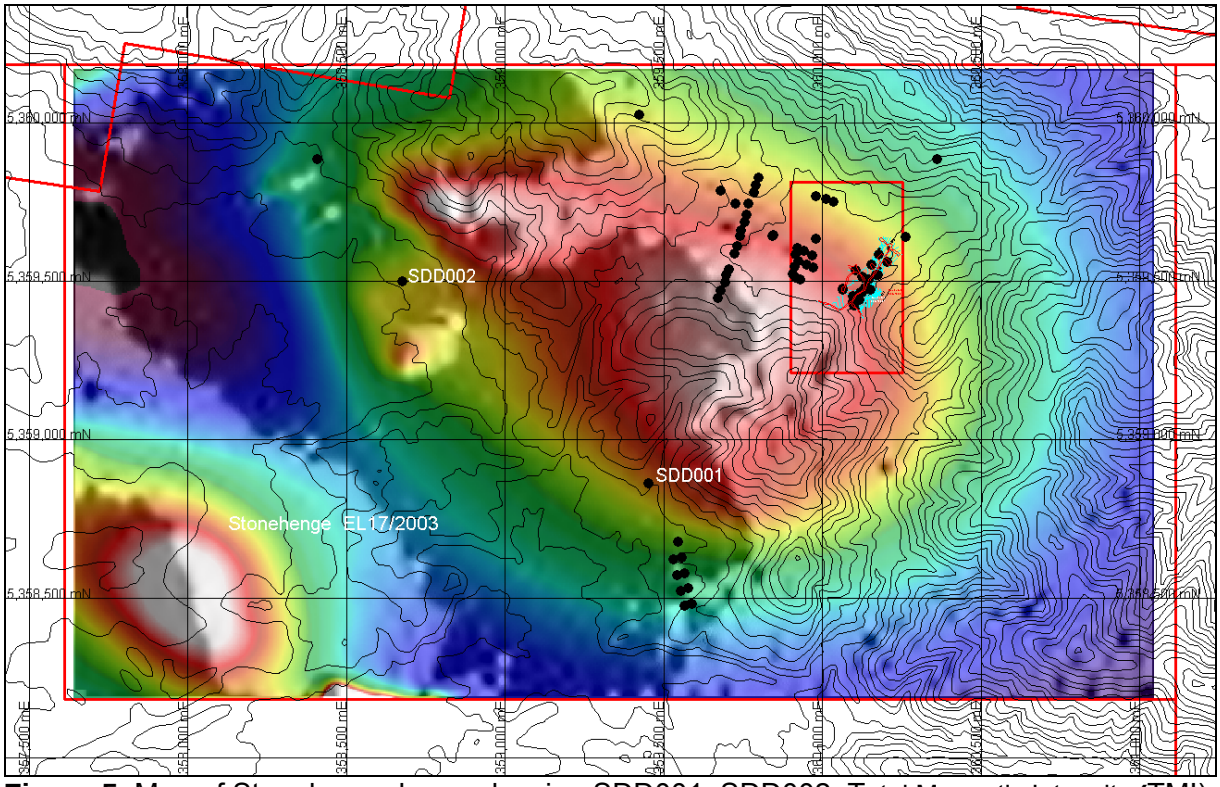

Figure 5. Map of Stonehenge lease showing SDD001, SDD002, Total Magnetic Intensity (TMI) image and topographic contours.

5.3.2 Geophysics

5.3.2.1 Airborne Survey

An airborne geophysical survey and digital terrain mapping was carried out over the entire Stonehenge and Sunshine Lease area by GPX Airborne Pty Ltd in June 2007. The data had been processed by August 2007, this included removal of diurnal variations in the magnetic field, subtraction of the earth's field (IGRF) from the recorded data, griding and levelling. The survey collected Magnetic and Radiometric information, the data is included in the appendix, the full survey specifications are included in the ReadMe.txt file.

Southern Geoscience produced a number of images from the data which are included in the appendices. Southern Geoscience also produced a three dimensional magnetic model of the large magnetic anomaly (from the Total Magnetic Intensity) at Stonehenge, this anomaly had been well know and documented previously. A report on the modelling is included in the appendices. Three target zones were generated by the modelling subsequently two deep drill holes (SDD001 and SDD002) were drilled to target these zones.

5.3.2.2 Down hole Geophysical survey

A down hole Pulse Electromagnetic (PEM) survey was carried out on SDD001 and SDD002 in early February 2008 by Outer-Rim Exploration Services. The results and details of this survey are included in the appendices. To date no conclusions have been drawn from this work.

5.3.3 Drilling

Based on the results of the TMI modelling two diamond cored drill holes were drilled to primarily target Avebury style nickel mineralisation. Details are below see appendices for full details.

Hole No	Depth	East	North	RL	Drilling Company	Driller	Date Completed	Date Started
SDD001	603.6	359451	5358861	242	OME Drilling	Brian Williams	12/12/2007	19/10/2007
SDD002	420	358675	5359500	242	OME Drilling	Brian Williams	25/01/2008	13/12/2007

No significant nickel mineralisation was intersected in the holes, some minor base metal mineralisation was encountered. Logs, assay results and down hole direction surveys are included in the appendices. During the sampling of SDD001 some errors occurred resulting in the apparent overlap of some samples, this has to be resolved. The assay results for SDD001 have been included separately.

5.3.4 Petrology

A petrological report done by R.S. Bottrill of Mineral Resources, Tasmania (Petrological Examination of Rock Samples from Swansea Mine area – Zeehan) was done on nine samples from the cored diamond drill hole SDD001.

Sample No	Hole No	Depth(m)	Field Number
CI08789	SDD001	476.3m	QE2/1
CI08790	SDD001	480.4m	QE2/2
CI08791	SDD001	272.1m	QE2/3
CI08792	SDD001	284.4m	QE2/4
CI08793	SDD001	435.3m	QE2/5
CI08794	SDD001	434.25m	QE2/6
CI08795	SDD001	317.5m	QE2/7
CI08796	SDD001	284.0m	QE2/8
ClO8797	SDD001	140.0m	QE2/9

Report Summary

Nine rock samples, from drilling near the Swansea mine, Zeehan, were found to be highly altered, veined and brecciated, metamorphosed mafic to intermediate volcanic rocks and a siliceous, volcanogenic conglomerate. The present mineralogies mostly comprise chlorite-albite-carbonate-quartz, mostly due to hydrothermal alteration but the volcanics to appear to have originally been andesitic to basaltic in composition. The rocks are interpreted to be highly altered sequence of tectonic and sedimentary breccias and conglomerates, perhaps equivalents of the early Cambrian Dundas group or Cleveland-Waratah Association. The rocks have been highly meta-somatised and carbonate-altered at relatively low pressure and temperature, probably related to the underlying granite intrusion, and mostly contain some very minor mineralisation: minor pyrite and very minor chalcopyrite. (R.S. Bottrill)

The full report is included in the appendix.

5.4 Sunshine

5.4.1 Activity Maps

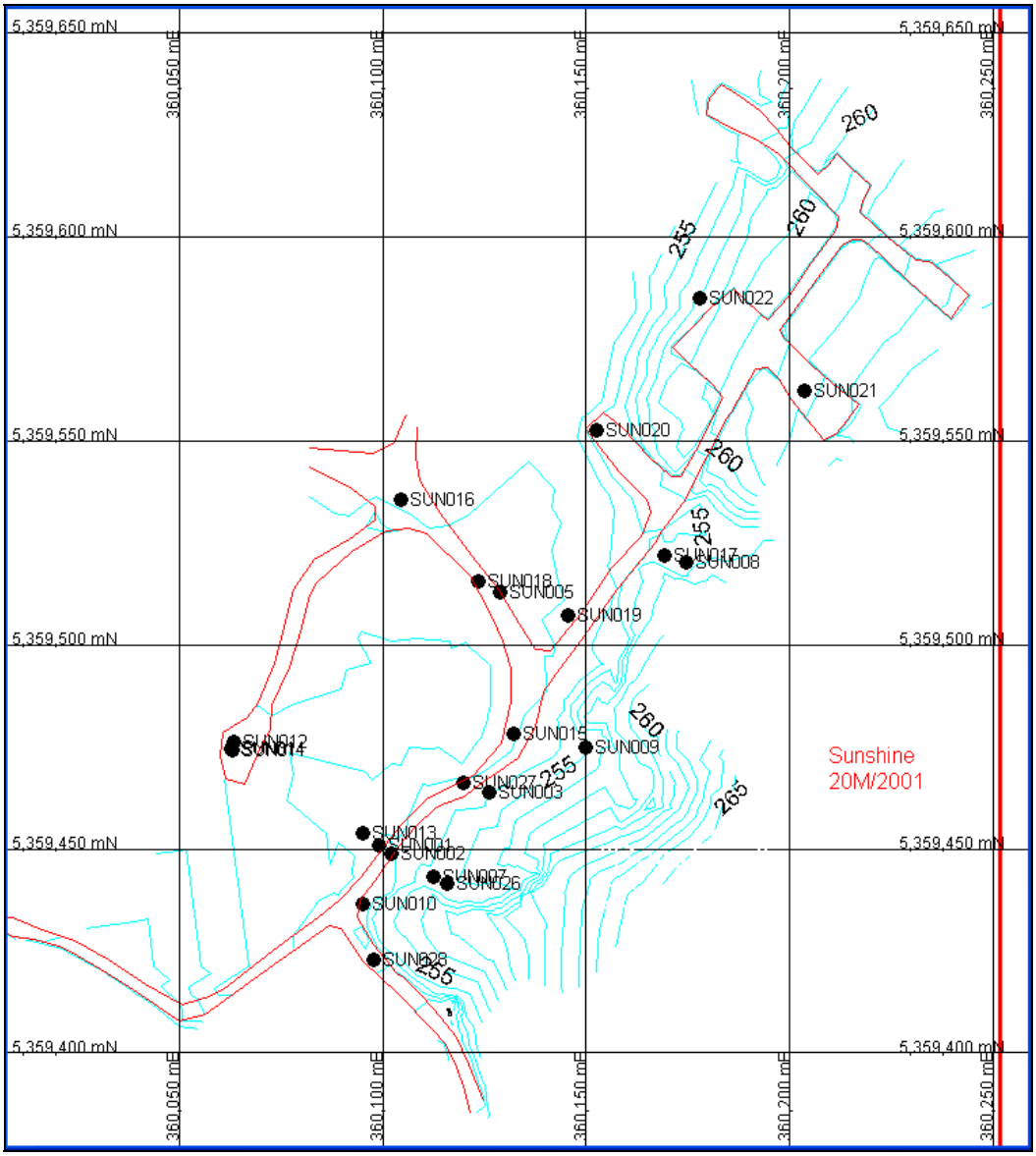

Figure 6. Map of Sunshine prospect showing Topographic survey by Trigpoint Surveying, access roads for drilling, and drill hole collars.

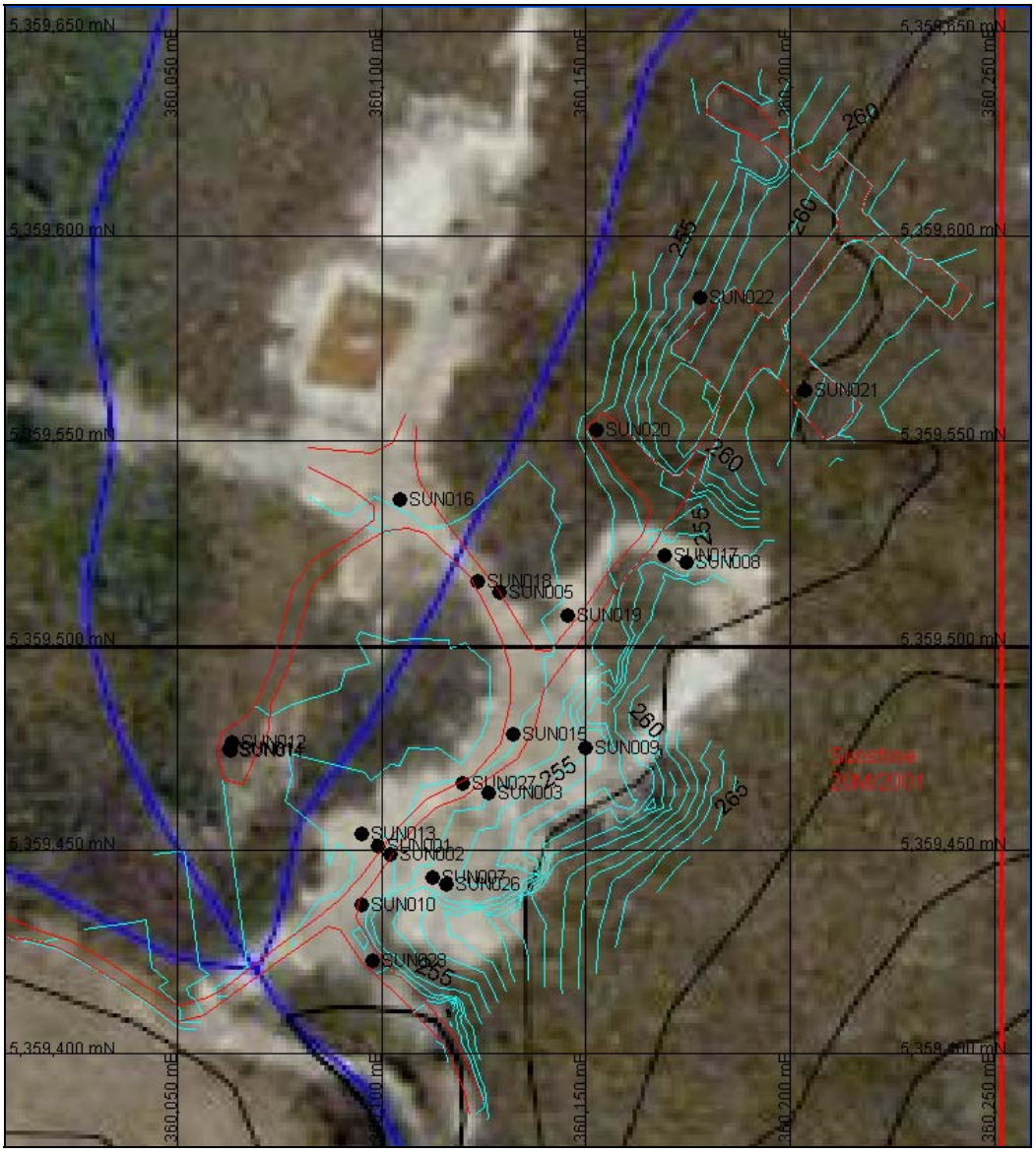

Figure 7. Map of Sunshine prospect showing Topographic survey by Trigpoint Surveying, access roads for drilling, and drill hole collars with ortho-image backdrop to highlight areas modified for drill access i.e. SUN020-022, SUN012, SUN014 and area in south-west corner of map.

5.4.2 Drilling

During the current year drilling of 7 RC drill holes for 297m and 9 diamond drill holes for 609.5m at Sunshine (21M/2003) was completed. The total drilled by Stonehenge Metals at Sunshine to date is 297m of RC drilling and 961.95m of Diamond drilling. The drilling was planned to define a Zinc-Lead-Silver resource, see the resource report on Sunshine by T.J. Hibberd in the appendices. A number of drill holes did not reach their targeted depth due to drilling difficulties.

A current list of drill collars for the Sunshine prospect follows see appendices for full details.

Hole No	Hole Type	Depth	East	North	RL	Drilling Company	Survey Method	Date Completed	Date Started
SUN001	Core	20	360099	5359451	252.8	OME Drilling	GPS	22/03/2007	20/03/2007
SUN002	Core	60	360102	5359449	252.7	OME Drilling	GPS	20/03/2007	17/03/2007
SUN003	Core	29	360126	5359464	255.2		Differential GPS		

SUN005	Core	81.95	360128.7	5359513	252.8	OME Drilling	Differential GPS	29/03/2007	22/03/2007
SUN007	Core	104	360112.6	5359443.2	254.3	OME Drilling	Differential GPS	16/04/2007	9/04/2007
SUN008	Core	28.5	360174.7	5359520.4	255.4	OME Drilling	Differential GPS	18/04/2007	17/04/2007
SUN009	Core	29	360149.9	5359475	255.2	OME Drilling	Differential GPS	23/04/2007	20/04/2007
SUN010	RC	60	360095.04	5359436.35	252.268	Tasmanian Drilling Services	Differential GPS		
SUN011	Core	81	360063	5359474.3	251.7	Low Impact Drilling	Differential GPS	22/08/2007	20/08/2007
SUN012	Core	69	360063.28	5359476.31	251.735	Low Impact Drilling	Differential GPS	28/08/2007	24/08/2007
SUN013	RC	41	360095.03	5359453.82	252.545	Tasmanian Drilling Services	Differential GPS		
SUN014	Core	93	360062.8	5359474.5	251.7	Low Impact Drilling	Differential GPS	17/08/2007	10/08/2007
SUN015	RC	41	360132.1	5359478.3	252.8	Tasmanian Drilling Services	Differential GPS		
SUN016	Core	59	360104.44	5359535.65	252.959	Low Impact Drilling	Differential GPS	22/11/2007	17/10/2007
SUN017	RC	38	360169.1	5359521.9	255.5	Tasmanian Drilling Services	Differential GPS		
SUN018	Core	82.5	360123.5	5359515.7	252.5	Low Impact Drilling	Differential GPS	5/09/2007	29/08/2007
SUN019	RC	31	360145.56	5359507.1	253	Tasmanian Drilling Services			
SUN020	Core	54	360152.6	5359552.5	254.5	Low Impact Drilling	Differential GPS	31/10/2007	25/10/2007
SUN021	Core	45	360203.5	5359562.4	261.6	Low Impact Drilling	Differential GPS	6/11/2007	5/11/2007
SUN022	Core	66	360178	5359585	260	Low Impact Drilling	Differential GPS	13/11/2007	7/11/2007
SUN026	RC	60	360115.97	5359441.45	254.465	Tasmanian Drilling Services	Differential GPS		
SUN027	RC	26	360119.77	5359466.26	252.976	Tasmanian Drilling Services	Differential GPS		
SUN028	Core	60	360097.8	5359422.88	252.241	Low Impact Drilling	Differential GPS	24/11/2007	23/11/2007

5.4.3 Survey

A topographic survey and drill hole pickup was completed by Trigpoint Surveying in November 2007. The results are shown in Figure 6 and in Figure 7. A dxf file is included in the digital appendices.

5.4.4 Mineralisation, Resources and Geology

In May 2003, Stonehenge Metals announced an Inferred resource of 287,600t at 2.8% zinc, 1.5% lead and 31 g/t silver containing 8,000 tonne of zinc, 4,200 tonnes of lead and 291,000 ounces of silver. The resource was calculated by T. Hibberd of Stonehenge Metals Limited.

The resource estimate is based on 21 diamond core and reverse circulation drill holes designed to intersect the mineralisation on a nominal 25m by 25m spacing. The deposit has been modelled in three dimensions using cross sectional interpretations of the geology and mineralisation. The deposit boundary was defined by a 0.5% zinc cut-off grade which coincides with the geological boundary of the shear zone. Individual blocks were defined around drill hole intersections with block boundaries on and between cross sections were defined by the midpoints between adjacent holes and by geological constraints. Estimation methodologies included inverse distance squared and ordinary kriging. Based on statistical analysis, maximum sample assays were reduced to 30% zinc, 9% lead and 200 grams per

tonne silver (top cuts) and all grades were length weighted. Block densities were assigned based on density analysis of samples collected from diamond core drill hole samples. (T. Hibberd)

The full resource report which includes details of the geology and mineralisation is included in the appendix.

Geology logs are included in the appendix.

5.5 Swansea

5.5.1 Activity Map

Figure 8. Map of Swansea prospect showing drill locations access was created to drill locations were necessary, existing tracks were used where possible.

5.5.2 Drilling

At Swansea, 10 diamond drill holes for 346m were completed. No samples were taken from this drilling at the date of the report. Drill hole details follow, see appendices for full details.

Hole ID	Depth	East	North	RL	Drilling Company	Date Completed	Date Started
SWAN001	25	359564	5358477	242	Low Impact Drilling	11/09/2007	10/09/2007
SWAN002	22	359589	5358482	245	Low Impact Drilling	10/09/2007	6/09/2007
SWAN003	25	359554	5358525	238	Low Impact Drilling	14/09/2007	13/09/2007
SWAN004	52.5	359578	5358531	239	Low Impact Drilling	19/09/2007	17/09/2007
SWAN005	25.5	359542	5358574	238	Low Impact Drilling	12/09/2007	12/09/2007
SWAN005B	30				Low Impact Drilling	28/09/2007	26/09/2007
SWAN006	36	359566	5358580	239	Low Impact Drilling	25/09/2007	20/09/2007
SWAN007	30	359531	5358623	239	Low Impact Drilling	5/10/2007	3/10/2007
SWAN008	50	359555	5358628	240	Low Impact Drilling	2/10/2007	1/10/2007
SWAN010	50	359544	5358677	240	Low Impact Drilling	11/10/2007	8/10/2007

5.5.3 Geology

The geological logs are included in the appendix.

6 Environment

The two main access tracks the Swansea and Grubs Tramways have been improved by Stonehenge Metals to allow access to various areas of EL17/2003 and also to gain access to 20M/2001. Site works were conducted at Sunshine to allow drill access (Figure 7) and also at Swansea. Site works were completed for access to drill SDD001 located in the Swansea area. SDD002 was drilled near the Swansea Tramline to reduce the amount of clearing needed.

7 Expenditure

The total estimated expenditure on EL 17/2003 only for the period for the Year to 30 May 2008 was:

Expenditure Category	Amount $
Geology	$52,079.63
Geochemistry	$19,446.82
Geophysics	$24,708.13
Drilling	$228,532.23
Track Maintainance, Rehabilitation and Drill Access	$58,522.50
Administration Costs	$14,891.82
TOTAL	**$398,181.13**

8 Recommendations and further work

8.1 Regional

The geophysics both historic and recent should be accessed, in particular the down hole PEM survey. The geology of SDD001 and SDD002 should be reviewed to ascertain if any nickel or base metal targets exist in immediate vicinity of the drill holes. Follow up any historical geochemical anomalies.

8.2 Sunshine

Some of the sample intervals in the drilling at Sunshine ended in mineralisation, further sampling should be carried out where possible to close of the mineralisation. This was in progress as the date of this report.

The geology and mineralisation should be reviewed with a view to extending and/or upgrading the resource. Other historic targets also exist in the immediate area and should be accessed.

8.3 Swansea

The core at Swansea should be accessed to ascertain if any sampling is required. The geology of the area should also be reviewed including the logging of the core drilling.

8.4 Preliminary Budget

Assays $7,500
Review geophysics $7,500
Review Geology $10,000
Field Costs $10,000

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10 Appendices

10.1 Appendix 1 – Collar Locations, Drill assay results, Core recovery, Down Hole Survey, Duplicate samples, Reference Material, Reference Values, SDD001 Results.

10.1.1 Collar Locations

Hole_ID	Hole_Type	Max_Depth	Hole_Status	Date_Completed	Date_Started	Historic_Hole
DD92S1		300				TRUE
DD92S2		300				TRUE
DD92S3		200				TRUE
S004		15				TRUE
S005		15				TRUE
S006		15				TRUE
S007		15				TRUE
S008		15				TRUE
S009		15				TRUE
S010		15				TRUE
S011		15				TRUE
S012		15				TRUE
S013		15				TRUE
S014		15				TRUE
S015		15				TRUE
S016		15				TRUE
S017		15				TRUE
S018		15				TRUE
S019		15				TRUE
S020		15				TRUE
S021		15				TRUE
S022		15				TRUE
S023		15				TRUE
S024		15				TRUE
S025		15				TRUE
S026		15				TRUE
S027		15				TRUE
S028		15				TRUE
S029		15				TRUE
S030		15				TRUE
S031		209.5	COMPLETE	8/06/1995		TRUE
S033		15				TRUE
S034		15				TRUE
SDD001	DD	603.6	COMPLETE	12/12/2007	19/10/2007	FALSE
SDD002	DD	420	COMPLETE	25/01/2008	13/12/2007	FALSE
STH001		200.34				TRUE
STH002		300				TRUE
SUN001	DD	20	ABANDONDED	22/03/2007	20/03/2007	FALSE
SUN002	DD	60	COMPLETE	20/03/2007	17/03/2007	FALSE
SUN003	DD	29				FALSE
SUN005	DD	81.95	ABANDONDED	29/03/2007	22/03/2007	FALSE

SUN007	DD	104	COMPLETE	16/04/2007	9/04/2007	FALSE
SUN008	DD	28.5	COMPLETE	18/04/2007	17/04/2007	FALSE
SUN009	DD	29	COMPLETE	23/04/2007	20/04/2007	FALSE
SUN010	RC	60				FALSE
SUN011	DD	81	COMPLETE	22/08/2007	20/08/2007	FALSE
SUN012	DD	69	ABANDONED	28/08/2007	24/08/2007	FALSE
SUN013	RC	41				FALSE
SUN014	DD	93	COMPLETE	17/08/2007	10/08/2007	FALSE
SUN015	RC	41				FALSE
SUN016	DD	59	ABANDONED	22/11/2007	17/10/2007	FALSE
SUN017	RC	38				FALSE
SUN018	DD	82.5	COMPLETE	5/09/2007	29/08/2007	FALSE
SUN019	RC	31				FALSE
SUN020	DD	54	ABANDONED	31/10/2007	25/10/2007	FALSE
SUN021	DD	45	COMPLETE	6/11/2007	5/11/2007	FALSE
SUN022	DD	66	ABANDONED	13/11/2007	7/11/2007	FALSE
SUN026	RC	60				FALSE
SUN027	RC	26				FALSE
SUN028	DD	60	ABANDONED	24/11/2007	23/11/2007	FALSE
SWAN001	DD	25	COMPLETE	11/09/2007	10/09/2007	FALSE
SWAN002	DD	22	COMPLETE	10/09/2007	6/09/2007	FALSE
SWAN003	DD	25	COMPLETE	14/09/2007	13/09/2007	FALSE
SWAN004	DD	52.5	COMPLETE	19/09/2007	17/09/2007	FALSE
SWAN005	DD	25.5	COMPLETE	12/09/2007	12/09/2007	FALSE
SWAN005B	DD	30	COMPLETE	28/09/2007	26/09/2007	FALSE
SWAN006	DD	36	COMPLETE	25/09/2007	20/09/2007	FALSE
SWAN007	DD	30	COMPLETE	5/10/2007	3/10/2007	FALSE
SWAN008	DD	50	COMPLETE	2/10/2007	1/10/2007	FALSE
SWAN010	DD	50	COMPLETE	11/10/2007	8/10/2007	FALSE
TH012		401.5				TRUE
TH013		431				TRUE
TH014		170				TRUE
TH015		599				TRUE

10.1.2 Drill assay results

Hole_ID	mFrom	mTo	SampleID	Zn_pct	Pb_pct	Ag_ppm	Au_ppm	Ni_pct	W_pct
DD92S1	119.2	121.4	DD92S1-01	7.8	10.1	191			-0.0009
DD92S1	150.5	162.35	DD92S1-02	2.1	0.4				-0.0001
DD92S1	223.8	232.65	DD92S1-03	1.5	0.4				-0.0001
DD92S2	100.5	112	DD92S2-01	4.1	1.1	10			-0.0001
DD92S2	124	136	DD92S2-02	1.8	0.4	19.5			-0.0001
DD92S2	190.3	190.5	DD92S2-03	20	12.3	415			-0.0001
DD92S3	159.5	160.6	DD92S3-01	3.5	0.1	19			-0.0001
SDD002	46.3	47.4	318658	0.0187	0.0018	-1	-0.01	0.0051	
SDD002	45.3	46.3	318657	0.0093	0.003	-1	-0.01	0.0048	
SDD002	44.5	45.3	318656	0.014	0.0067	1	-0.01	0.0055	
SDD002	43.55	44.5	318655	0.009	0.0032	1	-0.01	0.005	
SDD002	41.7	43.55	318654	0.0261	0.0057	1	-0.01	0.0061	
SDD002	40.4	41.7	318653	0.0245	0.0026	-1	-0.01	0.0059	
SDD002	47.4	48.4	318659	0.0164	0.0012	-1	-0.01	0.0059	
SDD002	38.4	39.3	318651	0.0154	0.0015	-1	-0.01	0.0062	
SDD002	52.1	52.8	318664	0.0102	0.0006	-1	-0.01	0.0043	
SDD002	36.95	38.4	318650	0.0127	0.0029	-1	-0.01	0.0053	
SDD002	39.3	40.4	318652	0.0128	0.0015	-1	-0.01	0.0057	
SDD002	48.4	49.45	318660	0.0175	0.0014	-1	-0.01	0.0056	
SDD002	49.45	50.8	318661	0.0116	0.0016	-1	-0.01	0.0054	
SDD002	35.7	36.95	318649	0.0151	0.0029	1	-0.01	0.0053	
SDD002	51.3	52.1	318663	0.0108	0.0012	-1	-0.01	0.0047	
SDD002	31	32	318644	0.0228	0.0023	1	-0.01	0.006	
SDD002	52.8	54	318665	0.009	0.0008	-1	-0.01	0.0059	
SDD002	54	54.8	318666	0.0085	0.0013	-1	-0.01	0.0049	
SDD002	54.8	55.6	318667	0.0086	0.0012	-1	-0.01	0.0056	
SDD002	55.6	56.8	318668	0.0099	0.0012	-1	-0.01	0.0051	
SDD002	56.8	58.2	318669	0.0098	0.002	-1	-0.01	0.0063	
SDD002	58.2	60	318670	0.0229	0.0007	-1	-0.01	0.0051	
SDD002	50.8	51.3	318662	0.0111	0.0012	-1	-0.01	0.0052	
SDD002	25.7	26.5	318638	0.0119	0.002	1	-0.01	0.0052	
SDD002	222	223	318625	0.0395	0.0423	5	-0.01	0.0085	
SDD002	2	3	318626	0.0156	0.0111	2	-0.01	0.0037	
SDD002	3	4	318627	0.0258	0.0067	1	-0.01	0.0054	
SDD002	4	5	318628	0.0321	0.0037	1	-0.01	0.0067	
SDD002	6	7	318630	0.0244	0.0025	1	-0.01	0.0047	
SDD002	8	9	318632	0.0151	0.007	1	-0.01	0.0055	
SDD002	9	10	318633	0.0095	0.0019	-1	-0.01	0.0034	
SDD002	10	11	318634	0.0084	0.002	1	-0.01	0.0038	
SDD002	11	12	318635	0.0076	0.0017	1	-0.01	0.0037	
SDD002	32.8	33.6	318646	0.0269	0.0035	1	-0.01	0.0058	
SDD002	13	14	318637	0.0079	0.0016	1	-0.01	0.0042	
SDD002	34.6	35.7	318648	0.0156	0.0024	1	-0.01	0.0054	
SDD002	26.5	27.45	318639	0.0095	0.004	1	-0.01	0.0063	
SDD002	27.45	28.3	318640	0.0107	0.0027	1	-0.01	0.0052	
SDD002	28.3	29	318641	0.0139	0.0032	1	-0.01	0.006	
SDD002	29	30	318642	0.0145	0.0024	1	-0.01	0.0053	
SDD002	30	31	318643	0.0289	0.0026	1	-0.01	0.0067	
SDD002	7	8	318631	0.0158	0.002	1	-0.01	0.0056	
SDD002	32	32.8	318645	0.0213	0.0023	1	-0.01	0.0057	
SDD002	60	61	318671	0.0139	0.0018	-1	-0.01	0.0059	
SDD002	33.6	34.6	318647	0.0158	0.0036	-1	-0.01	0.0051	
SDD002	12	13	318636	0.0095	0.0015	1	-0.01	0.0038	
SDD002	152.6	153.1	318615	0.2715	1	198	-0.01	0.0143	
SDD002	139	140	318698	0.0062	0.0064	1	-0.01	0.0066	
SDD002	140	141	318699	0.0163	0.0168	6	-0.01	0.0077	

SDD002	141	141.6	318700	0.012	0.0284	8	-0.01	0.0077
SDD002	141.6	142.6	318604	0.0355	0.0944	6	-0.01	0.0104
SDD002	142.6	143.6	318605	0.0269	0.0546	6	-0.01	0.0104
SDD002	143.6	144.6	318606	0.0931	0.0973	5	-0.01	0.0115
SDD002	144.6	145.6	318607	0.0384	0.0298	7	-0.01	0.0139
SDD002	145.6	146.6	318608	0.0331	0.0364	5	-0.01	0.0144
SDD002	146.6	147.6	318609	0.0239	0.0115	4	-0.01	0.0109
SDD002	147.6	148.6	318610	0.019	0.0189	4	-0.01	0.0132
SDD002	148.6	149.6	318611	0.0144	0.0139	5	-0.01	0.0138
SDD002	138	139	318697	0.0065	0.0044	1	-0.01	0.0059
SDD002	150.6	151.6	318613	0.036	0.024	8	-0.01	0.0182
SDD002	151.6	152.6	318614	0.2523	0.3128	11	-0.01	0.0167
SDD002	153.1	154	318616	0.0309	0.4433	7	-0.01	0.0108
SDD002	154	155	318617	0.0248	0.3409	8	-0.01	0.0085
SDD002	155	155.7	318618	0.0384	0.0487	5	-0.01	0.008
SDD002	155.7	156.8	318619	0.0777	0.3863	13	-0.01	0.0073
SDD002	201	201.5	318620	0.0179	0.006	3	-0.01	0.0052
SDD002	201.5	202	318621	0.1353	0.2061	12	-0.01	0.0069
SDD002	202	203	318622	0.0263	0.0184	3	-0.01	0.006
SDD002	220.5	221.5	318623	0.0215	0.0231	4	-0.01	0.0069
SDD002	61	61.9	318672	0.0113	0.0017	1	-0.01	0.0058
SDD002	5	6	318629	0.0267	0.0045	1	-0.01	0.005
SDD002	221.5	222	318624	0.0139	0.029	7	-0.01	0.0083
SDD002	149.6	150.6	318612	0.0128	0.0074	7	-0.01	0.017
SDD002	113	114	318603	0.0132	0.0009	3	-0.01	0.0362
SDD002	127	128	318686	0.0316	0.0167	1	-0.01	0.0046
SDD002	126	127	318685	0.0284	0.0111	1	-0.01	0.0052
SDD002	124	125	318683	0.0428	0.0092	1	-0.01	0.0052
SDD002	63	64	318674	0.0151	0.0008	1	-0.01	0.0062
SDD002	123	124	318682	0.1375	0.0128	1	-0.01	0.0051
SDD002	121.8	123	318681	0.0188	0.0076	1	-0.01	0.0055
SDD002	61.9	63	318673	0.0173	0.0017	2	-0.01	0.006
SDD002	119.8	120.8	318679	0.0031	0.0022	2	-0.01	0.0045
SDD002	125	126	318684	0.04	0.0073	1	-0.01	0.0049
SDD002	112	113	318602	0.0122	-0.0001	3	-0.01	0.0374
SDD002	111	112	318601	0.0116	0.0027	2	-0.01	0.0381
SDD002	67.8	69	318678	0.0085	0.0034	2	-0.01	0.0064
SDD002	67	67.8	318677	0.0117	0.0004	1	-0.01	0.0058
SDD002	66	67	318676	0.0069	0.0014	2	-0.01	0.0057
SDD002	137	138	318696	0.0101	0.0096	1	-0.01	0.006
SDD002	64	66	318675	0.0108	0.0018	2	-0.01	0.0055
SDD002	120.8	121.8	318680	0.0035	0.0028	1	-0.01	0.0043
SDD002	129	130	318688	0.0249	0.0432	2	-0.01	0.0067
SDD002	136	137	318695	0.0073	0.0046	2	-0.01	0.0047
SDD002	135	136	318694	0.0098	0.0068	2	-0.01	0.0045
SDD002	134	135	318693	0.0123	0.0101	2	-0.01	0.0045
SDD002	133	134	318692	0.0094	0.0243	2	-0.01	0.0037
SDD002	132	133	318691	0.0143	0.0108	2	-0.01	0.007
SDD002	130	131	318689	0.0114	0.0343	1	-0.01	0.0045
SDD002	128	129	318687	0.009	0.0123	1	-0.01	0.006
SDD002	131	132	318690	0.015	0.0356	1	-0.01	0.005
SUN001	6	7.5	SUN1-003	0.21	0.17	3	-0.01	
SUN001	0	4.4	SUN1-001	25.5	2.93	67	-0.01	
SUN001	4.4	6	SUN1-002	0.61	0.07	5	-0.01	
SUN001	7.5	12	SUN1-004	0.15	0.03	-1	-0.01	
SUN001	13	13.25	SUN1-006	1.82	0.07	2	-0.01	
SUN001	12	13	SUN1-005	2.36	0.16	3	-0.01	
SUN002	11.8	13.1	SUN2-007	10.3	0.35	23	-0.01	
SUN002	10.2	11.8	SUN2-006	2.16	0.22	7	-0.01	
SUN002	7.45	8.45	SUN2-004	6.43	0.85	17	-0.01	
SUN002	14.1	14.8	SUN2-009	2.1	0.14	7	-0.01	
SUN002	6.45	7.45	SUN2-003	9.12	1.14	27	-0.01	

SUN002	4.95	6.45	SUN2-002	1.08	0.38	8	-0.01
SUN002	0	3.45	SUN2-001	0.54	0.15	8	-0.01
SUN002	19.7	20	SUN2-016	0.38	0.19	4	-0.01
SUN002	18.8	19.7	SUN2-015	16.5	4.39	57	-0.01
SUN002	17.9	18.8	SUN2-014	10.5	1.61	28	-0.01
SUN002	17	17.9	SUN2-013	0.25	0.03	2	-0.01
SUN002	16.25	17	SUN2-012	1.59	1.33	25	-0.01
SUN002	15.5	16.25	SUN2-011	4.42	1.29	24	-0.01
SUN002	13.1	14.1	SUN2-008	16.6	2	49	-0.01
SUN002	14.8	15.5	SUN2-010	20.8	4.54	74	-0.01
SUN002	8.45	10.2	SUN2-005	12.1	3.26	57	-0.01
SUN003	28	29	SUN3-027	1.96	0.21	8	-0.01
SUN003	14	14.5	SUN3-018	1.41	0.13	6	-0.01
SUN003	14.5	15.2	SUN3-019	3.21	0.35	12	-0.01
SUN003	15.2	17.2	SUN3-020	11.2	4	55	-0.01
SUN003	17.2	17.5	SUN3-021	13.6	6.21	100	-0.01
SUN003	17.5	22.7	SUN3-022	5.1	0.41	14	-0.01
SUN003	22.7	24.35	SUN3-023	15.1	0.31	8	-0.01
SUN003	24.35	25.4	SUN3-024	7.29	0.11	6	-0.01
SUN003	26.8	28	SUN3-026	0.06	0.04	3	-0.01
SUN003	6	7	SUN3-007	0.08	0.07	3	-0.01
SUN003	25.4	26.8	SUN3-025	1.33	0.12	5	-0.01
SUN003	4	5	SUN3-005	0.09	0.02	2	-0.01
SUN003	8	8.6	SUN3-009	0.12	0.06	2	-0.01
SUN003	13.6	14	SUN3-017	2.79	0.39	12	-0.01
SUN003	2	3	SUN3-003	0.11	0.1	5	-0.01
SUN003	3	4	SUN3-004	0.06	0.01	2	-0.01
SUN003	1	2	SUN3-002	0.13	0.2	7	-0.01
SUN003	5	6	SUN3-006	0.11	0.04	3	-0.01
SUN003	7	8	SUN3-008	0.12	0.06	3	-0.01
SUN003	11.7	12.5	SUN3-014	4.09	0.46	16	-0.01
SUN003	13	13.6	SUN3-016	11.8	0.59	25	-0.01
SUN003	12.5	13	SUN3-015	2.53	0.38	10	-0.01
SUN003	0.5	1	SUN3-001	0.65	0.83	20	-0.01
SUN003	11.2	11.7	SUN3-013	3.45	0.52	15	-0.01
SUN003	10.4	11.2	SUN3-012	1.1	0.43	8	-0.01
SUN003	9.4	10.4	SUN3-011	0.56	0.24	11	-0.01
SUN003	8.6	9.4	SUN3-010	0.85	0.4	9	-0.01
SUN005	36	37	SUN5-009	0.41	4.32	102	-0.01
SUN005	29	30	SUN5-002	2.29	4.87	167	-0.01
SUN005	28.7	29	SUN5-001	2.1	3.88	101	-0.01
SUN005	31	32	SUN5-004	2.76	4.46	143	-0.01
SUN005	32	33	SUN5-005	1.66	4.83	143	-0.01
SUN005	33	34	SUN5-006	0.78	3.38	63	-0.01
SUN005	34	35	SUN5-007	1.45	7.09	150	-0.01
SUN005	35	36	SUN5-008	0.71	8.77	151	-0.01
SUN005	30	31	SUN5-003	2.16	3.53	110	-0.01
SUN005	37	38	SUN5-010	0.32	1.36	49	-0.01
SUN005	38	39	SUN5-011	0.97	7.53	169	-0.01
SUN005	39	40	SUN5-012	4.85	3.93	72	-0.01
SUN005	40	41	SUN5-013	2.73	6.69	127	-0.01
SUN005	41	42	SUN5-014	2.08	7.97	181	-0.01
SUN005	42	43	SUN5-015	2.13	3.64	69	-0.01
SUN005	44	45	SUN5-017	0.52	1.96	89	-0.01
SUN005	45	46	SUN5-018	0.6	0.76	23	-0.01
SUN005	46	47	SUN5-019	3.11	3.17	62	-0.01
SUN005	43	44	SUN5-016	0.12	0.24	11	-0.01
SUN007	17	18	SUN7-020	4.37	0.43	9	-0.01
SUN007	16	17	SUN7-019	4.7	0.4	10	-0.01
SUN007	15	16	SUN7-018	0.17	0.03	1	-0.01
SUN007	18	19	SUN7-021	4.64	0.45	10	-0.01
SUN007	14	15	SUN7-017	29.6	0.2	34	0.05

SUN007	13	14	SUN7-014	0.1	0.34	3	-0.01
SUN007	12	13	SUN7-013	1.19	0.17	8	-0.01
SUN007	11	12	SUN7-011	0.42	0.44	5	-0.01
SUN007	10	11	SUN7-010	1.35	0.06	1	-0.01
SUN007	9	10	SUN7-009	1.71	0.16	3	-0.01
SUN007	7	8	SUN7-007	13.1	0.32	7	-0.01
SUN007	6	7	SUN7-006	4.61	0.6	13	-0.01
SUN007	5	6	SUN7-005	4.8	0.97	22	-0.01
SUN007	4	5	SUN7-004	5.43	1.01	21	-0.01
SUN007	3	4	SUN7-003	6.22	0.88	25	-0.01
SUN007	2	3	SUN7-002	5.7	1.01	27	-0.01
SUN007	8	9	SUN7-008	2.83	0.17	4	-0.01
SUN007	19	20	SUN7-022	3.43	0.27	9	-0.01
SUN007	1	2	SUN7-001	4.58	1.02	29	-0.01
SUN008	19	20	SUN8-010	0.49	0.25	6	-0.01
SUN008	11.2	12	SUN8-001	0.5	1.32	11	-0.01
SUN008	12	13	SUN8-002	0.46	1.23	13	-0.01
SUN008	13	14	SUN8-003	0.69	0.81	12	-0.01
SUN008	14	15	SUN8-004	0.78	0.41	8	-0.01
SUN008	15	16	SUN8-005	0.73	0.49	8	-0.01
SUN008	16	17	SUN8-006	0.41	0.61	8	-0.01
SUN008	17	18	SUN8-007	0.36	0.43	7	-0.01
SUN008	18.5	19	SUN8-009	0.32	1.16	4	-0.01
SUN008	20	21	SUN8-011	0.55	0.27	7	-0.01
SUN008	21	21.5	SUN8-012	0.23	0.4	5	-0.01
SUN008	18	18.5	SUN8-008	0.5	0.55	5	-0.01
SUN009	18	19	SUN9-015	3.76	0.42	10	-0.01
SUN009	9	10	SUN9-006	0.11	0.04	1	-0.01
SUN009	19	20	SUN9-016	3.4	0.42	9	-0.01
SUN009	17	18	SUN9-014	2.62	0.64	17	-0.01
SUN009	16	17	SUN9-013	2.08	0.82	21	-0.01
SUN009	15	16	SUN9-012	4.5	0.88	28	-0.01
SUN009	14	15	SUN9-011	0.78	0.14	3	-0.01
SUN009	13	14	SUN9-010	0.07	0.03	1	-0.01
SUN009	12	13	SUN9-009	0.1	0.04	1	-0.01
SUN009	10	11	SUN9-007	0.03	0.02	-1	-0.01
SUN009	8	9	SUN9-005	0.07	0.03	-1	-0.01
SUN009	7	8	SUN9-004	0.15	0.06	2	-0.01
SUN009	6.4	7	SUN9-003	0.07	0.03	1	-0.01
SUN009	5.25	6.4	SUN9-002	0.11	0.1	9	-0.01
SUN009	4.25	5.25	SUN9-001	0.09	0.54	10	-0.01
SUN009	11	12	SUN9-008	0.04	0.01	-1	-0.01
SUN010	53	54	SUN10-054	-0.01	0.01	-1	
SUN010	0	1	SUN10-001	0.08	0.03	1	
SUN010	34	35	SUN10-035	-0.01	0.01	-1	
SUN010	44	45	SUN10-045	0.01	0.01	-1	
SUN010	24	25	SUN10-025	-0.01	-0.01	1	
SUN010	25	26	SUN10-026	-0.01	-0.01	-1	
SUN010	26	27	SUN10-027	0.01	-0.01	-1	
SUN010	27	28	SUN10-028	-0.01	-0.01	-1	
SUN010	28	29	SUN10-029	0.01	-0.01	-1	
SUN010	55	56	SUN10-056	-0.01	0.01	-1	
SUN010	30	31	SUN10-031	-0.01	-0.01	-1	
SUN010	22	23	SUN10-023	0.03	0.02	-1	
SUN010	33	34	SUN10-034	-0.01	0.01	-1	
SUN010	21	22	SUN10-022	0.03	0.02	-1	
SUN010	35	36	SUN10-036	0.01	0.01	-1	
SUN010	36	37	SUN10-037	-0.01	0.02	-1	
SUN010	37	38	SUN10-038	-0.01	0.01	-1	
SUN010	38	39	SUN10-039	-0.01	0.01	-1	
SUN010	39	40	SUN10-040	-0.01	0.01	-1	
SUN010	40	41	SUN10-041	-0.01	0.01	-1	

SUN010	41	42	SUN10-042	0.01	0.01	-1	
SUN010	42	43	SUN10-043	0.06	0.01	-1	
SUN010	43	44	SUN10-044	-0.01	-0.01	-1	
SUN010	32	33	SUN10-033	-0.01	-0.01	-1	
SUN010	11	12	SUN10-012	0.03	0.05	1	
SUN010	1	2	SUN10-002	0.13	0.03	-1	
SUN010	2	3	SUN10-003	0.09	0.03	1	
SUN010	3	4	SUN10-004	0.07	0.02	2	
SUN010	4	5	SUN10-005	0.07	0.02	1	
SUN010	5	6	SUN10-006	0.07	0.02	-1	
SUN010	6	7	SUN10-007	0.16	0.19	2	
SUN010	7	8	SUN10-008	0.06	0.01	-1	
SUN010	8	9	SUN10-009	0.88	0.18	2	
SUN010	23	24	SUN10-024	0.02	-0.01	-1	
SUN010	10	11	SUN10-011	0.05	0.03	1	
SUN010	31	32	SUN10-032	-0.01	-0.01	-1	
SUN010	12	13	SUN10-013	0.04	0.04	2	
SUN010	13	14	SUN10-014	0.01	0.03	3	
SUN010	14	15	SUN10-015	0.04	0.03	-1	
SUN010	15	16	SUN10-016	0.08	0.03	-1	
SUN010	16	17	SUN10-017	0.05	0.07	2	
SUN010	17	18	SUN10-018	0.02	0.02	1	
SUN010	18	19	SUN10-019	0.02	0.01	-1	
SUN010	19	20	SUN10-020	0.02	0.01	-1	
SUN010	20	21	SUN10-021	0.03	0.02	-1	
SUN010	9	10	SUN10-010	0.73	0.06	1	
SUN010	58	59	SUN10-059	-0.01	-0.01	-1	
SUN010	45	46	SUN10-046	-0.01	-0.01	-1	
SUN010	29	30	SUN10-030	0.01	-0.01	-1	
SUN010	59	60	SUN10-060	-0.01	-0.01	-1	
SUN010	57	58	SUN10-058	-0.01	0.01	-1	
SUN010	56	57	SUN10-057	0.01	0	-1	
SUN010	54	55	SUN10-055	-0.01	-0.01	-1	
SUN010	51	52	SUN10-052	-0.01	-0.01	-1	
SUN010	50	51	SUN10-051	0.03	0.02	-1	
SUN010	49	50	SUN10-050	-0.01	0.01	-1	
SUN010	48	49	SUN10-049	-0.01	0.01	-1	
SUN010	46	47	SUN10-047	-0.01	0.01	1	
SUN010	52	53	SUN10-053	-0.01	0.01	-1	
SUN010	47	48	SUN10-048	0.01	0.01	-1	
SUN012	15	21	SUN12-006	0.66	-0.01	5	-0.01
SUN012	6	9	SUN12-003	0.45	0.02	4	-0.01
SUN012	3	6	SUN12-002	0.33	-0.01	3	-0.01
SUN012	0	3	SUN12-001	0.09	-0.01	2	-0.01
SUN012	55.5	58.5	SUN12-011	0.42	0.33	6	-0.01
SUN012	45	55.5	SUN12-010	1.3	0.52	19	-0.01
SUN012	34.5	45	SUN12-009	1.44	0.23	5	-0.01
SUN012	9	10.5	SUN12-004	0.67	-0.01	5	-0.01
SUN012	21	24	SUN12-007	1.03	-0.01	3	-0.01
SUN012	10.5	15	SUN12-005	0.52	-0.01	5	-0.01
SUN012	9	10.5	SUN12-004	0.67	-0.01	5	-0.01
SUN012	55.5	58.5	SUN12-011	0.42	0.33	6	-0.01
SUN012	6	9	SUN12-003	0.45	0.02	4	-0.01
SUN012	3	6	SUN12-002	0.33	-0.01	3	-0.01
SUN012	24	34.5	SUN12-008	0.53	0.02	3	-0.01
SUN012	15	21	SUN12-006	0.66	-0.01	5	-0.01
SUN012	21	24	SUN12-007	1.03	-0.01	3	-0.01
SUN012	24	34.5	SUN12-008	0.53	0.02	3	-0.01
SUN012	0	3	SUN12-001	0.09	-0.01	2	-0.01
SUN012	45	55.5	SUN12-010	1.3	0.52	19	-0.01
SUN012	10.5	15	SUN12-005	0.52	-0.01	5	-0.01
SUN012	34.5	45	SUN12-009	1.44	0.23	5	-0.01

SUN013	29	30	SUN13-030	3.71	0.38	6
SUN013	36	37	SUN13-037	0.38	0.07	-1
SUN013	37	38	SUN13-038	6.5	0.5	9
SUN013	38	39	SUN13-039	1.69	0.17	3
SUN013	39	40	SUN13-040	1.44	0.17	2
SUN013	40	41	SUN13-041	0.59	0.13	2
SUN013	34	35	SUN13-035	3.24	0.29	5
SUN013	32	33	SUN13-033	3.99	0.33	8
SUN013	30	31	SUN13-031	2.15	0.3	7
SUN013	13	14	SUN13-014	0.72	0.18	3
SUN013	27	28	SUN13-028	5.72	0.6	10
SUN013	28	29	SUN13-029	5.6	0.72	11
SUN013	31	32	SUN13-032	2.72	0.35	9
SUN013	14	15	SUN13-015	0.73	0.18	3
SUN013	35	36	SUN13-036	2.03	0.23	3
SUN013	33	34	SUN13-034	3.21	0.33	5
SUN013	4	5	SUN13-005	0.58	0.16	-1
SUN013	5	6	SUN13-006	1.48	0.03	1
SUN013	6	7	SUN13-007	1.03	0.07	1
SUN013	7	8	SUN13-008	0.96	0.09	2
SUN013	8	9	SUN13-009	0.98	0.1	2
SUN013	9	10	SUN13-010	0.74	0.06	1
SUN013	10	11	SUN13-011	0.79	0.07	2
SUN013	15	16	SUN13-016	1.29	0.13	3
SUN013	12	13	SUN13-013	0.7	0.06	5
SUN013	26	27	SUN13-027	8.09	1.12	15
SUN013	16	17	SUN13-017	1.69	0.13	2
SUN013	17	18	SUN13-018	1.33	0.19	3
SUN013	18	19	SUN13-019	1.47	0.45	4
SUN013	19	20	SUN13-020	2.56	1.68	17
SUN013	20	21	SUN13-021	1.54	0.14	2
SUN013	21	22	SUN13-022	3.08	0.24	4
SUN013	22	23	SUN13-023	11.5	1.68	22
SUN013	23	24	SUN13-024	10.5	1.49	19
SUN013	24	25	SUN13-025	34.6	2.7	49
SUN013	25	26	SUN13-026	13.7	2.76	29
SUN013	11	12	SUN13-012	-99	-99	-99
SUN015	33	34	SUN15-034	4.01	1.86	27
SUN015	30	31	SUN15-031	1.79	2.22	42
SUN015	21	22	SUN15-022	1.48	0.68	12
SUN015	22	23	SUN15-023	2.68	0.82	16
SUN015	23	24	SUN15-024	3.98	3.16	57
SUN015	24	25	SUN15-025	3.88	2.1	35
SUN015	25	26	SUN15-026	1.96	1.46	26
SUN015	26	27	SUN15-027	4.05	2.46	36
SUN015	27	28	SUN15-028	1.98	0.8	14
SUN015	20	21	SUN15-021	2.12	2.45	33
SUN015	29	30	SUN15-030	0.66	0.19	3
SUN015	36	37	SUN15-037	0.49	0.41	6
SUN015	32	33	SUN15-033	2.5	3.64	42
SUN015	34	35	SUN15-035	2.55	1.55	20
SUN015	35	36	SUN15-036	0.26	0.31	4
SUN015	37	38	SUN15-038	0.51	0.59	11
SUN015	39	40	SUN15-040	0.35	0.59	12
SUN015	40	41	SUN15-041	0.03	0.07	2
SUN015	0	1	SUN15-001	0.11	0.13	2
SUN015	31	32	SUN15-032	2.21	5.28	55
SUN015	28	29	SUN15-029	1.67	0.74	15
SUN015	7	8	SUN15-008	0.11	0.01	-1
SUN015	16	17	SUN15-017	2.64	1.38	21
SUN015	14	15	SUN15-015	4.56	2.27	40
SUN015	12	13	SUN15-013	0.99	0.5	10

SUN015	11	12	SUN15-012	0.81	0.43	8	
SUN015	10	11	SUN15-011	6.7	1.26	56	
SUN015	17	18	SUN15-018	1.03	0.6	11	
SUN015	8	9	SUN15-009	0.16	0.05	-1	
SUN015	15	16	SUN15-016	2.78	1.81	26	
SUN015	6	7	SUN15-007	0.4	0.13	2	
SUN015	5	6	SUN15-006	0.05	-0.01	-1	
SUN015	4	5	SUN15-005	0.03	0.02	-1	
SUN015	3	4	SUN15-004	0.3	0.02	-1	
SUN015	19	20	SUN15-020	0.16	0.06	-1	
SUN015	38	39	SUN15-039	0.18	0.33	7	
SUN015	9	10	SUN15-010	0.05	0.04	-1	
SUN015	18	19	SUN15-019	0.66	0.14	2	
SUN015	1	2	SUN15-002	0.06	0.12	5	
SUN015	2	3	SUN15-003	0.12	0.04	1	
SUN015	13	14	SUN15-014	1.45	0.87	16	
SUN017	33	34	SUN17-034	0.45	1.1	29	
SUN017	12	13	SUN17-013	0.01	0.02	2	
SUN017	13	14	SUN17-014	0.01	0.02	2	
SUN017	14	15	SUN17-015	0.01	0.01	1	
SUN017	15	16	SUN17-016	0.01	0.02	1	
SUN017	16	17	SUN17-017	0.01	0.02	-1	
SUN017	17	18	SUN17-018	0.01	0.02	-1	
SUN017	18	19	SUN17-019	0.02	0.02	1	
SUN017	36	37	SUN17-037	0.01	0.02	1	
SUN017	19	20	SUN17-020	0.02	0.05	1	
SUN017	35	36	SUN17-036	0.02	0.03	1	
SUN017	11	12	SUN17-012	0.01	0.02	1	
SUN017	23	24	SUN17-024	-0.01	0.43	5	
SUN017	22	23	SUN17-023	0.05	0.06	1	
SUN017	21	22	SUN17-022	0.07	0.02	1	
SUN017	25	26	SUN17-026	0.02	0.43	3	
SUN017	26	27	SUN17-027	0.02	0.18	3	
SUN017	20	21	SUN17-021	0.05	0.03	1	
SUN017	27	28	SUN17-028	0.09	0.7	7	
SUN017	34	35	SUN17-035	0.24	0.34	8	
SUN017	28	29	SUN17-029	0.12	0.85	14	
SUN017	29	30	SUN17-030	0.54	2.48	45	
SUN017	30	31	SUN17-031	0.44	2.02	60	
SUN017	31	32	SUN17-032	1.79	4.58	184	
SUN017	32	33	SUN17-033	0.2	1.18	26	
SUN017	24	25	SUN17-025	0.01	0.79	19	
SUN017	5	6	SUN17-006	0.01	0.02	1	
SUN017	1	2	SUN17-002	0.09	0.17	5	
SUN017	10	11	SUN17-011	0.02	0.04	1	
SUN017	7	8	SUN17-008	0.02	0.04	4	
SUN017	0	1	SUN17-001	0.19	0.33	10	
SUN017	2	3	SUN17-003	0.03	0.06	2	
SUN017	3	4	SUN17-004	0.02	0.03	2	
SUN017	4	5	SUN17-005	0.04	0.06	2	
SUN017	6	7	SUN17-007	0.02	0.04	2	
SUN017	8	9	SUN17-009	0.01	0.02	1	
SUN017	9	10	SUN17-010	0.01	0.02	2	
SUN018	57	58	SUN018-003	5.51	0.13	5	-0.01
SUN018	59	60	SUN18-005	0.04	0.02	1	-0.01
SUN018	57	58	SUN18-003	5.51	0.13	5	-0.01
SUN018	56	57	SUN18-002	3.93	0.53	8	-0.01
SUN018	55	56	SUN18-001	0.03	0.04	1	-0.01
SUN018	58	59	SUN18-004	0.1	0.04	2	-0.01
SUN018	56	57	SUN018-002	3.93	0.53	8	-0.01

SUN018	58	59	SUN018-004	0.1	0.04	2	-0.01
SUN018	59	60	SUN018-005	0.04	0.02	1	-0.01
SUN018	41	42	SUN018-006	1.79	11.2	163	-0.01
SUN018	41	42	SUN18-006	1.79	11.2	163	-0.01
SUN018	55	56	SUN018-001	0.03	0.04	1	-0.01
SUN019	21	22	SUN19-022	1.99	1.55	31	
SUN019	16	17	SUN19-017	3.37	4.66	94	
SUN019	27	28	SUN19-028	0.09	0.16	6	
SUN019	17	18	SUN19-018	1.99	6.71	155	
SUN019	18	19	SUN19-019	2.06	4.97	88	
SUN019	15	16	SUN19-016	1.83	5.83	108	
SUN019	19	20	SUN19-020	2.43	3.61	80	
SUN019	20	21	SUN19-021	1.98	2.51	45	
SUN019	22	23	SUN19-023	3.1	2	44	
SUN019	23	24	SUN19-024	2.74	1.57	34	
SUN019	24	25	SUN19-025	0.21	0.29	11	
SUN019	30	31	SUN19-031	0.33	0.56	8	
SUN019	28	29	SUN19-029	4.16	4.95	52	
SUN019	26	27	SUN19-027	0.22	0.33	8	
SUN019	25	26	SUN19-026	0.2	0.28	7	
SUN019	8	9	SUN19-009	-0.01	0.02	2	
SUN019	14	15	SUN19-015	2.22	6.96	118	
SUN019	29	30	SUN19-030	0.87	0.95	25	
SUN019	2	3	SUN19-003	-99	-99	-99	
SUN019	10	11	SUN19-011	0.04	0.05	-1	
SUN019	1	2	SUN19-002	0.12	0.09	2	
SUN019	13	14	SUN19-014	0.14	0.52	9	
SUN019	3	4	SUN19-004	0.2	0.73	1	
SUN019	4	5	SUN19-005	0.03	0.28	3	
SUN019	5	6	SUN19-006	0.01	0.04	5	
SUN019	6	7	SUN19-007	0.01	0.03	4	
SUN019	7	8	SUN19-008	0.01	0.03	3	
SUN019	9	10	SUN19-010	0.01	0.02	2	
SUN019	11	12	SUN19-012	0.01	0.01	-1	
SUN019	12	13	SUN19-013	0.15	0.27	6	
SUN019	0	1	SUN19-001	0.03	0.06	3	
SUN026	36	37	SUN26-037	0.05	0.01	-1	
SUN026	42	43	SUN26-043	0.12	0.02	-1	
SUN026	41	42	SUN26-042	0.28	0.04	-1	
SUN026	40	41	SUN26-041	0.33	0.05	-1	
SUN026	39	40	SUN26-040	0.3	0.05	1	
SUN026	38	39	SUN26-039	0.39	0.07	1	
SUN026	37	38	SUN26-038	0.11	0.02	-1	
SUN026	35	36	SUN26-036	0.02	0.01	-1	
SUN026	34	35	SUN26-035	0.18	0.04	-1	
SUN026	33	34	SUN26-034	0.03	0.01	-1	
SUN026	43	44	SUN26-044	0.05	0.01	-1	
SUN026	29	30	SUN26-030	0.02	0.01	-1	
SUN026	50	51	SUN26-051	0.22	0.03	-1	
SUN026	28	29	SUN26-029	0.29	0.07	1	
SUN026	31	32	SUN26-032	0.37	0.06	1	
SUN026	51	52	SUN26-052	0.04	0.01	-1	
SUN026	59	60	SUN26-060	0.06	0.02	-1	
SUN026	58	59	SUN26-059	0.03	0.02	-1	
SUN026	57	58	SUN26-058	0.12	0.03	-1	
SUN026	56	57	SUN26-057	0.09	0.02	-1	
SUN026	55	56	SUN26-056	0.03	0.01	-1	
SUN026	54	55	SUN26-055	0.05	0.02	-1	
SUN026	48	49	SUN26-049	0.02	0.01	-1	

SUN026	52	53	SUN26-053	0.02	0.01	-1
SUN026	44	45	SUN26-045	0.11	0.01	-1
SUN026	30	31	SUN26-031	0.04	0.02	-1
SUN026	49	50	SUN26-050	0.07	0.01	-1
SUN026	27	28	SUN26-028	0.02	0.01	-1
SUN026	47	48	SUN26-048	0.05	0.01	-1
SUN026	46	47	SUN26-047	0.06	0.01	-1
SUN026	45	46	SUN26-046	0.09	0.02	-1
SUN026	53	54	SUN26-054	0.12	0.03	-1
SUN026	7	8	SUN26-008	0.91	0.16	3
SUN026	32	33	SUN26-033	0.19	0.03	-1
SUN026	26	27	SUN26-027	0.01	-0.01	-1
SUN026	1	2	SUN26-002	1.33	0.22	4
SUN026	2	3	SUN26-003	0.82	0.17	3
SUN026	3	4	SUN26-004	1.71	0.31	7
SUN026	4	5	SUN26-005	0.77	0.11	2
SUN026	6	7	SUN26-007	0.66	0.12	2
SUN026	0	1	SUN26-001	6.77	0.83	19
SUN026	8	9	SUN26-009	0.4	0.07	1
SUN026	9	10	SUN26-010	2.27	0.5	11
SUN026	10	11	SUN26-011	0.53	0.1	3
SUN026	11	12	SUN26-012	0.15	0.03	2
SUN026	12	13	SUN26-013	0.14	0.03	2
SUN026	24	25	SUN26-025	0.1	0.02	-1
SUN026	5	6	SUN26-006	1.58	0.27	5
SUN026	25	26	SUN26-026	0.12	0.01	-1
SUN026	13	14	SUN26-014	0.08	0.02	-1
SUN026	23	24	SUN26-024	0.03	0.01	-1
SUN026	22	23	SUN26-023	0.09	0.02	1
SUN026	21	22	SUN26-022	0.1	0.03	-1
SUN026	20	21	SUN26-021	0.02	0.02	-1
SUN026	19	20	SUN26-020	0.09	0.03	-1
SUN026	18	19	SUN26-019	0.03	0.01	-1
SUN026	17	18	SUN26-018	0.05	0.01	-1
SUN026	16	17	SUN26-017	0.06	0.02	-1
SUN026	15	16	SUN26-016	0.2	0.04	-1
SUN026	14	15	SUN26-015	0.06	0.01	-1
SUN027	16	17	SUN27-017	4.49	6.91	162
SUN027	9	10	SUN27-010	0.16	0.03	1
SUN027	10	11	SUN27-011	0.14	0.04	2
SUN027	11	12	SUN27-012	1.7	1.21	20
SUN027	12	13	SUN27-013	1.98	0.6	17
SUN027	13	14	SUN27-014	1.11	0.47	15
SUN027	19	20	SUN27-020	6.03	2.36	61
SUN027	14	15	SUN27-015	2.71	1.54	36
SUN027	17	18	SUN27-018	3.87	10.9	235
SUN027	8	9	SUN27-009	0.36	0.08	2
SUN027	15	16	SUN27-016	2.66	11.2	426
SUN027	18	19	SUN27-019	2.16	2.26	51
SUN027	7	8	SUN27-008	0.7	0.21	1
SUN027	6	7	SUN27-007	0.87	0.2	2
SUN027	5	6	SUN27-006	1	0.04	2
SUN027	4	5	SUN27-005	0.4	0.03	2
SUN027	3	4	SUN27-004	0.27	0.03	-1
SUN027	2	3	SUN27-003	0.2	0.16	3
SUN027	1	2	SUN27-002	0.11	0.24	6
SUN027	0	1	SUN27-001	0.01	0.11	1
SUN027	25	26	SUN27-026	6.81	1.41	35
SUN027	24	25	SUN27-025	9.13	1.35	39
SUN027	23	24	SUN27-024	17	4.18	100
SUN027	22	23	SUN27-023	13.5	3.36	86
SUN027	20	21	SUN27-021	3.62	2.37	48

SUN027	21	22	SUN27-022	29.5	1.21	80

10.1.3 Core recovery

Hole_ID	mFrom	mTo	Interval_Length	Recovery_m	Recovery_Pct	Core_Diameter	Core_Orientated
SUN002	0.00	4.40	4.40	0.58	13.18	PQ3	FALSE
SUN002	4.40	4.60	0.20	0.10	50.00	PQ3	FALSE
SUN002	4.60	6.00	1.40	0.07	5.00	PQ3	FALSE
SUN002	6.00	7.50	1.50	0.15	10.00	PQ3	FALSE
SUN002	7.50	12.00	4.50	0.18	4.00	PQ3	FALSE
SUN002	12.00	12.30	0.30	0.30	100.00	PQ3	FALSE
SUN002	12.30	13.25	0.95	0.95	100.00	PQ3	FALSE
SUN002	13.25	13.65	0.40	0.30	75.00	PQ3	FALSE
SUN002	13.65	15.00	1.35	1.35	100.00	PQ3	FALSE
SUN002	15.00	16.70	1.70	1.70	100.00	PQ3	FALSE
SUN002	16.70	18.00	1.30	1.08	83.08	PQ3	FALSE
SUN002	18.00	18.70	0.70	0.30	42.86	PQ3	FALSE
SUN002	18.70	21.00	2.30	2.17	94.35	PQ3	FALSE
SUN002	21.00	22.60	1.60	1.60	100.00	PQ3	FALSE
SUN002	22.60	22.90	0.30	0.00	0.00	PQ3	FALSE
SUN002	22.90	23.90	1.00	1.00	100.00	PQ3	FALSE
SUN002	23.90	25.20	1.30	1.30	100.00	PQ3	FALSE
SUN002	25.20	26.90	1.70	1.70	100.00	PQ3	FALSE
SUN002	26.90	27.45	0.55	0.55	100.00	PQ3	FALSE
SUN002	27.45	28.20	0.75	0.16	21.33	PQ3	FALSE
SUN002	28.20	28.45	0.25	0.09	36.00	PQ3	FALSE
SUN002	28.45	29.00	0.55	0.55	100.00	PQ3	FALSE
SUN002	29.00	30.00	1.00	1.00	100.00	PQ3	FALSE
SUN002	30.00	30.90	0.90	0.21	23.33	PQ3	FALSE
SUN002	30.90	31.35	0.45	0.35	77.78	PQ3	FALSE
SUN002	31.35	32.05	0.70	0.70	100.00	PQ3	FALSE
SUN002	32.05	32.35	0.30	0.12	40.00	PQ3	FALSE
SUN002	32.35	33.00	0.65	0.58	89.23	PQ3	FALSE
SUN002	33.00	33.50	0.50	0.46	92.00	PQ3	FALSE
SUN002	33.50	36.00	2.50	2.50	100.00	PQ3	FALSE
SUN002	36.00	60.00	24.00	24.00	100.00	PQ3	FALSE
SUN001	0.00	3.45	3.45	2.45	71.01	HQ	FALSE
SUN001	3.45	4.95	1.50	0.00	0.00	HQ	FALSE
SUN001	4.95	6.00	1.05	0.67	63.81	HQ	FALSE
SUN001	6.00	6.45	0.45	0.45	100.00	HQ	FALSE
SUN001	6.45	7.45	1.00	1.00	100.00	HQ	FALSE
SUN001	7.45	8.45	1.00	1.00	100.00	HQ	FALSE
SUN001	8.45	9.50	1.05	0.55	52.38	HQ	FALSE
SUN001	9.50	10.20	0.70	0.70	100.00	HQ	FALSE
SUN001	10.20	11.00	0.80	0.20	25.00	HQ	FALSE
SUN001	11.00	11.80	0.80	0.67	83.75	HQ	FALSE
SUN001	11.80	12.40	0.60	0.10	16.67	HQ	FALSE

SUN001	12.40	13.10	0.70	0.52	74.29	HQ	FALSE
SUN001	13.10	13.90	0.80	0.20	25.00	HQ	FALSE
SUN001	13.90	14.10	0.20	0.20	100.00	HQ	FALSE
SUN001	14.10	14.80	0.70	0.50	71.43	HQ	FALSE
SUN001	14.80	15.50	0.70	0.47	67.14	HQ	FALSE
SUN001	15.50	16.25	0.75	0.55	73.33	HQ	FALSE
SUN001	16.25	17.00	0.75	0.75	100.00	HQ	FALSE
SUN001	17.00	17.90	0.90	0.73	81.11	HQ	FALSE
SUN001	17.90	18.80	0.90	0.42	46.67	HQ	FALSE
SUN001	18.80	19.70	0.90	0.90	100.00	HQ	FALSE
SUN001	19.70	20.00	0.30	0.37	123.33	HQ	FALSE
SUN003	0.00	1.50	1.50	0.85	56.67	PQ3	FALSE
SUN003	1.50	2.20	0.70	0.78	111.43	PQ3	FALSE
SUN003	2.20	3.20	1.00	1.53	153.00	PQ3	FALSE
SUN003	3.20	4.00	0.80	0.90	112.50	PQ3	FALSE
SUN003	4.00	5.20	1.20	1.20	100.00	PQ3	FALSE
SUN003	5.20	5.90	0.70	0.72	102.86	PQ3	FALSE
SUN003	5.90	6.50	0.60	0.65	108.33	PQ3	FALSE
SUN003	6.50	7.20	0.70	0.70	100.00	PQ3	FALSE
SUN003	7.20	7.70	0.50	0.50	100.00	PQ3	FALSE
SUN003	7.70	8.60	0.90	0.81	90.00	PQ3	FALSE
SUN003	8.60	9.40	0.80	0.55	68.75	PQ3	FALSE
SUN003	9.40	9.80	0.40	0.00	0.00	PQ3	FALSE
SUN003	9.80	10.40	0.60	0.55	91.67	PQ3	FALSE
SUN003	10.40	11.20	0.80	0.35	43.75	PQ3	FALSE
SUN003	11.20	11.70	0.50	0.37	74.00	PQ3	FALSE
SUN003	11.70	12.10	0.40	0.40	100.00	PQ3	FALSE
SUN003	12.10	12.60	0.50	0.30	60.00	PQ3	FALSE
SUN003	12.60	13.00	0.40	0.60	150.00	PQ3	FALSE
SUN003	13.00	13.60	0.60	0.60	100.00	PQ3	FALSE
SUN003	13.60	14.00	0.40	0.47	117.50	PQ3	FALSE
SUN003	14.00	14.50	0.50	0.50	100.00	PQ3	FALSE
SUN003	14.50	16.20	1.70	0.95	55.88	PQ3	FALSE
SUN003	16.20	17.30	1.10	0.77	70.00	PQ3	FALSE
SUN003	17.30	17.50	0.20	0.20	100.00	PQ3	FALSE
SUN003	17.50	20.00	2.50	0.00	0.00	PQ3	FALSE
SUN003	20.00	20.50	0.50	0.20	40.00	PQ3	FALSE
SUN003	20.50	22.00	1.50	0.20	13.33	PQ3	FALSE
SUN003	22.00	22.70	0.70	0.36	51.43	PQ3	FALSE
SUN003	22.70	23.50	0.80	0.62	77.50	PQ3	FALSE
SUN003	23.50	24.35	0.85	0.22	25.88	PQ3	FALSE
SUN003	24.35	25.00	0.65	0.45	69.23	PQ3	FALSE
SUN003	25.00	26.60	1.60	0.00	0.00	PQ3	FALSE
SUN003	26.60	29.00	2.40	2.85	118.75	PQ3	FALSE
SUN011	0.00	1.50	1.50	0.40	26.67	NTW	FALSE
SUN011	1.50	3.00	1.50	0.20	13.33	NTW	FALSE

SUN011	3.00	4.50	1.50	0.00	0.00	NTW	FALSE
SUN011	4.50	6.00	1.50	0.10	6.67	NTW	FALSE
SUN011	6.00	7.50	1.50	0.30	20.00	NTW	FALSE
SUN011	7.50	9.00	1.50	0.65	43.33	NTW	FALSE
SUN011	9.00	12.00	3.00	0.40	13.33	NTW	FALSE
SUN011	12.00	13.50	1.50	0.20	13.33	NTW	FALSE
SUN011	13.50	15.00	1.50	0.00	0.00	NTW	FALSE
SUN011	15.00	16.50	1.50	0.00	0.00	NTW	FALSE
SUN011	16.50	18.00	1.50	0.10	6.67	NTW	FALSE
SUN011	18.00	21.00	3.00	0.20	6.67	NTW	FALSE
SUN011	21.00	24.00	3.00	0.00	0.00	NTW	FALSE
SUN011	24.00	24.70	0.70	0.15	21.43	NTW	FALSE
SUN011	24.70	25.50	0.80	0.10	12.50	NTW	FALSE
SUN011	25.50	27.00	1.50	0.10	6.67	NTW	FALSE
SUN011	27.00	28.50	1.50	0.50	33.33	NTW	FALSE
SUN011	28.50	31.50	3.00	0.35	11.67	NTW	FALSE
SUN011	31.50	33.00	1.50	0.10	6.67	NTW	FALSE
SUN011	33.00	36.00	3.00	0.15	5.00	NTW	FALSE
SUN011	36.00	37.20	1.20	0.50	41.67	NTW	FALSE
SUN011	37.20	37.50	0.30	0.23	76.67	NTW	FALSE
SUN011	37.50	38.30	0.80	0.60	75.00	NTW	FALSE
SUN011	38.30	39.50	1.20	1.20	100.00	NTW	FALSE
SUN011	39.50	40.50	1.00	0.70	70.00	NTW	FALSE
SUN011	40.50	41.30	0.80	0.50	62.50	NTW	FALSE
SUN011	41.30	42.00	0.70	0.60	85.71	NTW	FALSE
SUN011	42.00	43.50	1.50	0.90	60.00	NTW	FALSE
SUN011	43.50	45.00	1.50	0.45	30.00	NTW	FALSE
SUN011	45.00	45.50	0.50	0.35	70.00	NTW	FALSE
SUN011	45.50	46.00	0.50	0.50	100.00	NTW	FALSE
SUN011	46.00	46.50	0.50	0.20	40.00	NTW	FALSE
SUN011	46.50	49.50	3.00	2.60	86.67	NTW	FALSE
SUN011	49.50	51.50	2.00	1.75	87.50	NTW	FALSE
SUN011	51.50	52.00	0.50	0.50	100.00	NTW	FALSE
SUN011	52.00	52.50	0.50	0.70	140.00	NTW	FALSE
SUN011	52.50	53.50	1.00	0.65	65.00	NTW	FALSE
SUN011	53.50	54.00	0.50	0.35	70.00	NTW	FALSE
SUN011	54.00	57.00	3.00	2.80	93.33	NTW	FALSE
SUN011	57.00	60.00	3.00	2.90	96.67	NTW	FALSE
SUN011	60.00	61.10	1.10	1.10	100.00	NTW	FALSE
SUN011	61.10	63.00	1.90	1.65	86.84	NTW	FALSE
SUN011	63.00	66.00	3.00	2.95	98.33	NTW	FALSE
SUN011	66.00	69.00	3.00	2.90	96.67	NTW	FALSE
SUN011	69.00	72.00	3.00	2.90	96.67	NTW	FALSE
SUN011	72.00	73.00	1.00	1.00	100.00	NTW	FALSE
SUN011	73.00	75.00	2.00	1.90	95.00	NTW	FALSE
SUN011	75.00	78.00	3.00	2.95	98.33	NTW	FALSE

SUN011	78.00	81.00	3.00	2.95	98.33	NTW	FALSE
SUN012	0.00	1.50	1.50	0.08	5.33		FALSE
SUN012	1.50	3.00	1.50	0.15	10.00		FALSE
SUN012	3.00	4.50	1.50	0.35	23.33		FALSE
SUN012	4.50	6.00	1.50	0.55	36.67		FALSE
SUN012	6.00	7.50	1.50	0.25	16.67		FALSE
SUN012	7.50	9.00	1.50	0.25	16.67		FALSE
SUN012	9.00	10.50	1.50	0.50	33.33		FALSE
SUN012	10.50	12.00	1.50	0.66	44.00		FALSE
SUN012	12.00	15.00	3.00	0.50	16.67		FALSE
SUN012	15.00	18.00	3.00	0.40	13.33		FALSE
SUN012	18.00	21.00	3.00	0.50	16.67		FALSE
SUN012	21.00	24.00	3.00	1.00	33.33		FALSE
SUN012	24.00	27.00	3.00	0.10	3.33		FALSE
SUN012	27.00	30.00	3.00	0.00	0.00		FALSE
SUN012	30.00	33.00	3.00	0.50	16.67		FALSE
SUN012	33.00	34.50	1.50	0.12	8.00		FALSE
SUN012	34.50	37.50	3.00	0.10	3.33		FALSE
SUN012	37.50	39.00	1.50	0.20	13.33		FALSE
SUN012	39.00	42.00	3.00	0.20	6.67		FALSE
SUN012	42.00	45.00	3.00	0.55	18.33		FALSE
SUN012	45.00	48.00	3.00	0.10	3.33		FALSE
SUN012	48.00	51.00	3.00	0.00	0.00		FALSE
SUN012	51.00	54.00	3.00	0.04	1.33		FALSE
SUN012	54.00	55.50	1.50	0.90	60.00		FALSE
SUN012	55.50	57.00	1.50	0.20	13.33		FALSE
SUN012	57.00	58.50	1.50	0.40	26.67		FALSE
SUN012	58.50	60.00	1.50	0.57	38.00		FALSE
SUN012	60.00	61.50	1.50	1.15	76.67		FALSE
SUN012	61.50	62.00	0.50	0.55	110.00		FALSE
SUN012	62.00	63.50	1.50	0.80	53.33		FALSE
SUN012	63.50	64.30	0.80	0.80	100.00		FALSE
SUN012	64.30	65.00	0.70	0.80	114.29		FALSE
SUN012	65.00	66.20	1.20	1.10	91.67		FALSE
SUN012	66.20	67.50	1.30	1.25	96.15		FALSE
SUN012	67.50	69.00	1.50	0.95	63.33		FALSE
SUN014	0.00	1.50	1.50	0.03	2.00	NTW	FALSE
SUN014	1.50	3.00	1.50	0.30	20.00	NTW	FALSE
SUN014	3.00	4.50	1.50	0.05	3.33	NTW	FALSE
SUN014	4.50	6.00	1.50	0.20	13.33	NTW	FALSE
SUN014	6.00	6.70	0.70	0.30	42.86	NTW	FALSE
SUN014	6.70	7.50	0.80	0.30	37.50	NTW	FALSE
SUN014	7.50	8.00	0.50	0.30	60.00	NTW	FALSE
SUN014	8.00	9.00	1.00	0.30	30.00	NTW	FALSE
SUN014	9.00	10.50	1.50	0.25	16.67	NTW	FALSE
SUN014	10.50	11.00	0.50	0.10	20.00	NTW	FALSE

SUN014	11.00	12.00	1.00	0.20	20.00	NTW	FALSE
SUN014	12.00	13.50	1.50	0.15	10.00	NTW	FALSE
SUN014	13.50	15.00	1.50	0.10	6.67	NTW	FALSE
SUN014	15.00	16.50	1.50	1.00	66.67	NTW	FALSE
SUN014	16.50	18.00	1.50	0.25	16.67	NTW	FALSE
SUN014	18.00	21.00	3.00	0.30	10.00	NTW	FALSE
SUN014	21.00	22.50	1.50	0.80	53.33	NTW	FALSE
SUN014	22.50	24.00	1.50	0.40	26.67	NTW	FALSE
SUN014	24.00	25.50	1.50	0.20	13.33	NTW	FALSE
SUN014	25.50	27.00	1.50	0.95	63.33	NTW	FALSE
SUN014	27.00	31.00	4.00	0.85	21.25	NTW	FALSE
SUN014	31.00	33.00	2.00	0.50	25.00	NTW	FALSE
SUN014	33.00	35.00	2.00	1.80	90.00	NTW	FALSE
SUN014	35.00	36.50	1.50	1.20	80.00	NTW	FALSE
SUN014	36.50	38.00	1.50	0.95	63.33	NTW	FALSE
SUN014	38.00	39.00	1.00	0.90	90.00	NTW	FALSE
SUN014	39.00	41.00	2.00	1.70	85.00	NTW	FALSE
SUN014	41.00	43.50	2.50	2.20	88.00	NTW	FALSE
SUN014	43.50	45.00	1.50	0.75	50.00	NTW	FALSE
SUN014	45.00	46.50	1.50	1.10	73.33	NTW	FALSE
SUN014	46.50	48.50	2.00	1.60	80.00	NTW	FALSE
SUN014	48.50	49.50	1.00	0.55	55.00	NTW	FALSE
SUN014	49.50	50.00	0.50	0.30	60.00	NTW	FALSE
SUN014	50.00	51.00	1.00	0.80	80.00	NTW	FALSE
SUN014	51.00	51.80	0.80	0.60	75.00	NTW	FALSE
SUN014	51.80	53.10	1.30	1.30	100.00	NTW	FALSE
SUN014	53.10	54.40	1.30	0.85	65.38	NTW	FALSE
SUN014	54.40	54.80	0.40	0.25	62.50	NTW	FALSE
SUN014	54.80	55.20	0.40	0.35	87.50	NTW	FALSE
SUN014	55.20	55.50	0.30	0.25	83.33	NTW	FALSE
SUN014	55.50	56.30	0.80	0.50	62.50	NTW	FALSE
SUN014	56.30	57.00	0.70	0.30	42.86	NTW	FALSE
SUN014	57.00	57.70	0.70	0.45	64.29	NTW	FALSE
SUN014	57.70	58.00	0.30	0.25	83.33	NTW	FALSE
SUN014	58.00	59.00	1.00	0.60	60.00	NTW	FALSE
SUN014	59.00	61.40	2.40	2.20	91.67	NTW	FALSE
SUN014	61.40	63.00	1.60	1.30	81.25	NTW	FALSE
SUN014	63.00	64.20	1.20	1.10	91.67	NTW	FALSE
SUN014	64.20	66.00	1.80	1.60	88.89	NTW	FALSE
SUN014	66.00	67.50	1.50	1.20	80.00	NTW	FALSE
SUN014	67.50	68.00	0.50	0.15	30.00	NTW	FALSE
SUN014	68.00	69.00	1.00	1.10	110.00	NTW	FALSE
SUN014	69.00	70.20	1.20	0.85	70.83	NTW	FALSE
SUN014	70.20	72.00	1.80	1.55	86.11	NTW	FALSE
SUN014	72.00	73.40	1.40	1.30	92.86	NTW	FALSE
SUN014	73.40	76.50	3.10	3.10	100.00	NTW	FALSE

SUN014	76.50	79.00	2.50	2.40	96.00	NTW	FALSE
SUN014	79.00	81.00	2.00	1.80	90.00	NTW	FALSE
SUN014	81.00	81.90	0.90	0.90	100.00	NTW	FALSE
SUN014	81.90	82.80	0.90	0.80	88.89	NTW	FALSE
SUN014	82.80	84.40	1.60	1.50	93.75	NTW	FALSE
SUN014	84.40	87.00	2.60	2.60	100.00	NTW	FALSE
SUN014	87.00	89.50	2.50	2.30	92.00	NTW	FALSE
SUN014	89.50	91.00	1.50	1.60	106.67	NTW	FALSE
SUN014	91.00	93.00	2.00	1.85	92.50	NTW	FALSE
SUN016	0.00	3.00	3.00	0.75	25.00	NTW	FALSE
SUN016	3.00	4.50	1.50	0.60	40.00	NTW	FALSE
SUN016	4.50	6.00	1.50	1.30	86.67	NTW	FALSE
SUN016	6.00	7.00	1.00	1.00	100.00	NTW	FALSE
SUN016	7.00	10.50	3.50	1.30	37.14	NTW	FALSE
SUN016	10.50	13.50	3.00	1.10	36.67	NTW	FALSE
SUN016	13.50	15.00	1.50	1.10	73.33	NTW	FALSE
SUN016	15.00	18.00	3.00	1.65	55.00	NTW	FALSE
SUN016	18.00	21.00	3.00	3.00	100.00	NTW	FALSE
SUN016	21.00	24.00	3.00	2.00	66.67	NTW	FALSE
SUN016	24.00	27.00	3.00	2.20	73.33	NTW	FALSE
SUN016	27.00	30.00	3.00	3.20	106.67	NTW	FALSE
SUN016	30.00	33.00	3.00	3.00	100.00	NTW	FALSE
SUN016	33.00	36.00	3.00	3.00	100.00	NTW	FALSE
SUN016	36.00	39.00	3.00	2.05	68.33	NTW	FALSE
SUN016	39.00	40.50	1.50	1.50	100.00	NTW	FALSE
SUN016	40.50	43.50	3.00	2.30	76.67	NTW	FALSE
SUN016	43.50	45.00	1.50	0.90	60.00	NTW	FALSE
SUN016	45.00	48.00	3.00	2.65	88.33	NTW	FALSE
SUN016	48.00	51.00	3.00	3.00	100.00	NTW	FALSE
SUN016	51.00	52.50	1.50	1.20	80.00	NTW	FALSE
SUN016	52.50	54.00	1.50	1.20	80.00	NTW	FALSE
SUN016	54.00	57.00	3.00	1.90	63.33	NTW	FALSE
SUN016	57.00	59.00	2.00	0.50	25.00	NTW	FALSE
SUN018	0.00	1.50	1.50	0.10	6.67	NTW	FALSE
SUN018	1.50	3.00	1.50	0.20	13.33	NTW	FALSE
SUN018	3.00	4.50	1.50	0.05	3.33	NTW	FALSE
SUN018	4.50	6.00	1.50	0.35	23.33	NTW	FALSE
SUN018	6.00	9.00	3.00	0.60	20.00	NTW	FALSE
SUN018	9.00	12.00	3.00	1.00	33.33	NTW	FALSE
SUN018	12.00	15.00	3.00	1.10	36.67	NTW	FALSE
SUN018	15.00	18.00	3.00	1.30	43.33	NTW	FALSE
SUN018	18.00	21.00	3.00	1.60	53.33	NTW	FALSE
SUN018	21.00	24.00	3.00	1.50	50.00	NTW	FALSE
SUN018	24.00	27.00	3.00	0.90	30.00	NTW	FALSE
SUN018	27.00	30.00	3.00	1.20	40.00	NTW	FALSE
SUN018	30.00	33.00	3.00	1.50	50.00	NTW	FALSE

SUN018	33.00	36.00	3.00	1.40	46.67	NTW	FALSE
SUN018	36.00	39.00	3.00	2.10	70.00	NTW	FALSE
SUN018	39.00	42.00	3.00	2.55	85.00	NTW	FALSE
SUN018	42.00	42.50	0.50	0.40	80.00	NTW	FALSE
SUN018	42.50	43.50	1.00	0.80	80.00	NTW	FALSE
SUN018	43.50	45.00	1.50	0.95	63.33	NTW	FALSE
SUN018	45.00	46.50	1.50	0.45	30.00	NTW	FALSE
SUN018	46.50	47.70	1.20	0.90	75.00	NTW	FALSE
SUN018	47.70	49.50	1.80	1.00	55.56	NTW	FALSE
SUN018	49.50	51.50	2.00	1.40	70.00	NTW	FALSE
SUN018	51.50	52.50	1.00	0.50	50.00	NTW	FALSE
SUN018	52.50	53.50	1.00	0.60	60.00	NTW	FALSE
SUN018	53.50	54.50	1.00	0.70	70.00	NTW	FALSE
SUN018	54.50	56.00	1.50	1.40	93.33	NTW	FALSE
SUN018	56.00	58.00	2.00	1.50	75.00	NTW	FALSE
SUN018	58.00	60.00	2.00	1.85	92.50	NTW	FALSE
SUN018	60.00	62.40	2.40	2.40	100.00	NTW	FALSE
SUN018	62.40	64.50	2.10	2.00	95.24	NTW	FALSE
SUN018	64.50	67.50	3.00	2.90	96.67	NTW	FALSE
SUN018	67.50	70.00	2.50	2.10	84.00	NTW	FALSE
SUN018	70.00	70.50	0.50	0.50	100.00	NTW	FALSE
SUN018	70.50	72.00	1.50	1.30	86.67	NTW	FALSE
SUN018	72.00	72.90	0.90	0.55	61.11	NTW	FALSE
SUN018	72.90	73.50	0.60	0.55	91.67	NTW	FALSE
SUN018	73.50	74.80	1.30	1.00	76.92	NTW	FALSE
SUN018	74.80	75.40	0.60	0.60	100.00	NTW	FALSE
SUN018	75.40	76.50	1.10	0.65	59.09	NTW	FALSE
SUN018	76.50	78.00	1.50	1.00	66.67	NTW	FALSE
SUN018	78.00	78.70	0.70	0.55	78.57	NTW	FALSE
SUN018	78.70	80.00	1.30	1.25	96.15	NTW	FALSE
SUN018	80.00	81.70	1.70	1.70	100.00	NTW	FALSE
SUN018	81.70	82.50	0.80	0.75	93.75	NTW	FALSE
SUN020	0.00	3.00	3.00	3.00	100.00	NTW	FALSE
SUN020	3.00	6.00	3.00	3.00	100.00	NTW	FALSE
SUN020	6.00	9.00	3.00	3.00	100.00	NTW	FALSE
SUN020	9.00	12.00	3.00	3.00	100.00	NTW	FALSE
SUN020	12.00	15.00	3.00	3.00	100.00	NTW	FALSE
SUN020	15.00	18.00	3.00	3.00	100.00	NTW	FALSE
SUN020	18.00	21.00	3.00	3.00	100.00	NTW	FALSE
SUN020	21.00	24.00	3.00	3.00	100.00	NTW	FALSE
SUN020	24.00	27.00	3.00	3.00	100.00	NTW	FALSE
SUN020	27.00	30.00	3.00	3.00	100.00	NTW	FALSE
SUN020	30.00	33.00	3.00	3.00	100.00	NTW	FALSE
SUN020	33.00	36.00	3.00	3.00	100.00	NTW	FALSE
SUN020	36.00	39.00	3.00	3.00	100.00	NTW	FALSE
SUN020	39.00	42.00	3.00	3.00	100.00	NTW	FALSE

SUN020	42.00	45.00	3.00	3.00	100.00	NTW	FALSE
SUN020	45.00	48.00	3.00	3.00	100.00	NTW	FALSE
SUN020	48.00	51.00	3.00	3.00	100.00	NTW	FALSE
SUN020	51.00	54.00	3.00	3.00	100.00	NTW	FALSE
SUN021	0.00	3.00	3.00	0.90	30.00	NTW	FALSE
SUN021	3.00	6.00	3.00	0.65	21.67	NTW	FALSE
SUN021	6.00	9.00	3.00	1.20	40.00	NTW	FALSE
SUN021	9.00	12.00	3.00	1.50	50.00	NTW	FALSE
SUN021	12.00	15.00	3.00	4.00	133.33	NTW	FALSE
SUN021	15.00	18.00	3.00	2.80	93.33	NTW	FALSE
SUN021	18.00	21.00	3.00	2.80	93.33	NTW	FALSE
SUN021	21.00	24.00	3.00	2.65	88.33	NTW	FALSE
SUN021	24.00	30.00	6.00	5.40	90.00	NTW	FALSE
SUN021	30.00	33.00	3.00	2.90	96.67	NTW	FALSE
SUN021	33.00	36.00	3.00	2.90	96.67	NTW	FALSE
SUN021	36.00	39.00	3.00	2.90	96.67	NTW	FALSE
SUN021	39.00	42.00	3.00	2.90	96.67	NTW	FALSE
SUN021	42.00	43.50	1.50	1.50	100.00	NTW	FALSE
SUN021	43.50	45.00	1.50	1.50	100.00	NTW	FALSE
SUN028	0.00	3.00	3.00	3.00	100.00	NTW	FALSE
SUN028	3.00	6.00	3.00	3.00	100.00	NTW	FALSE
SUN028	6.00	9.00	3.00	3.00	100.00	NTW	FALSE
SUN028	9.00	12.00	3.00	3.00	100.00	NTW	FALSE
SUN028	12.00	15.00	3.00	3.00	100.00	NTW	FALSE
SUN028	15.00	18.00	3.00	3.00	100.00	NTW	FALSE
SUN028	18.00	21.00	3.00	3.00	100.00	NTW	FALSE
SUN028	21.00	24.00	3.00	3.00	100.00	NTW	FALSE
SUN028	24.00	27.00	3.00	3.00	100.00	NTW	FALSE
SUN028	27.00	30.00	3.00	3.00	100.00	NTW	FALSE
SUN028	30.00	33.00	3.00	3.00	100.00	NTW	FALSE
SUN028	33.00	36.00	3.00	3.00	100.00	NTW	FALSE
SUN028	36.00	39.00	3.00	3.00	100.00	NTW	FALSE
SUN028	39.00	42.00	3.00	3.00	100.00	NTW	FALSE
SUN028	42.00	45.00	3.00	3.00	100.00	NTW	FALSE
SUN028	45.00	48.00	3.00	3.00	100.00	NTW	FALSE
SUN028	48.00	51.00	3.00	3.00	100.00	NTW	FALSE
SUN028	51.00	54.00	3.00	3.00	100.00	NTW	FALSE
SUN028	54.00	57.00	3.00	3.00	100.00	NTW	FALSE
SUN028	57.00	60.00	3.00	3.00	100.00	NTW	FALSE
SWAN001	0.00	1.50	1.50	0.15	10.00	NTW	FALSE
SWAN001	1.50	3.80	2.30	1.60	69.57	NTW	FALSE
SWAN001	3.80	4.50	0.70	0.35	50.00	NTW	FALSE
SWAN001	4.50	6.00	1.50	1.10	73.33	NTW	FALSE
SWAN001	6.00	9.00	3.00	0.45	15.00	NTW	FALSE
SWAN001	9.00	10.50	1.50	0.95	63.33	NTW	FALSE
SWAN001	10.50	12.00	1.50	0.70	46.67	NTW	FALSE

SWAN001	12.00	12.70	0.70	0.60	85.71	NTW	FALSE
SWAN001	12.70	13.50	0.80	0.80	100.00	NTW	FALSE
SWAN001	13.50	14.50	1.00	0.60	60.00	NTW	FALSE
SWAN001	14.50	16.00	1.50	1.70	113.33	NTW	FALSE
SWAN001	16.00	18.00	2.00	0.92	46.00	NTW	FALSE
SWAN001	18.00	19.50	1.50	0.95	63.33	NTW	FALSE
SWAN001	19.50	21.00	1.50	0.75	50.00	NTW	FALSE
SWAN001	21.00	22.50	1.50	0.75	50.00	NTW	FALSE
SWAN001	22.50	24.00	1.50	0.90	60.00	NTW	FALSE
SWAN001	24.00	25.00	1.00	1.00	100.00	NTW	FALSE
SWAN002	0.00	0.00	0.00	0.26		NTW	FALSE
SWAN002	0.00	1.50	1.50	1.33	88.67	NTW	FALSE
SWAN002	1.50	3.00	1.50	0.52	34.67	NTW	FALSE
SWAN002	3.00	4.50	1.50	1.11	74.00	NTW	FALSE
SWAN002	4.50	7.50	3.00	1.45	48.33	NTW	FALSE
SWAN002	7.50	9.00	1.50	0.52	34.67	NTW	FALSE
SWAN002	9.00	10.50	1.50	1.74	116.00	NTW	FALSE
SWAN002	10.50	12.30	1.80	0.60	33.33	NTW	FALSE
SWAN002	12.30	13.00	0.70	0.60	85.71	NTW	FALSE
SWAN002	13.00	13.50	0.50	1.32	264.00	NTW	FALSE
SWAN002	13.50	15.00	1.50	0.86	57.33	NTW	FALSE
SWAN002	15.00	16.50	1.50	0.70	46.67	NTW	FALSE
SWAN002	16.50	18.00	1.50	2.36	157.33	NTW	FALSE
SWAN002	18.00	19.80	1.80	1.45	80.56	NTW	FALSE
SWAN002	19.80	21.00	1.20	0.80	66.67	NTW	FALSE
SWAN002	21.00	22.00	1.00	0.00	0.00	NTW	FALSE
SWAN003	0.00	0.00	0.00	0.20		NTW	FALSE
SWAN003	0.00	1.50	1.50	0.24	16.00	NTW	FALSE
SWAN003	1.50	3.00	1.50	0.11	7.33	NTW	FALSE
SWAN003	3.00	4.50	1.50	0.65	43.33	NTW	FALSE
SWAN003	4.50	6.00	1.50	1.57	104.67	NTW	FALSE
SWAN003	6.00	7.50	1.50	1.86	124.00	NTW	FALSE
SWAN003	7.50	9.00	1.50	3.60	240.00	NTW	FALSE
SWAN003	9.00	12.00	3.00	2.50	83.33	NTW	FALSE
SWAN003	12.00	13.50	1.50	1.42	94.67	NTW	FALSE
SWAN003	13.50	15.00	1.50	2.10	140.00	NTW	FALSE
SWAN003	15.00	16.50	1.50	2.82	188.00	NTW	FALSE
SWAN003	16.50	18.00	1.50	1.63	108.67	NTW	FALSE
SWAN003	18.00	19.50	1.50	1.94	129.33	NTW	FALSE
SWAN003	19.50	21.00	1.50	1.08	72.00	NTW	FALSE
SWAN003	21.00	22.50	1.50	1.47	98.00	NTW	FALSE
SWAN003	22.50	24.00	1.50	1.78	118.67	NTW	FALSE
SWAN003	24.00	25.50	1.50	0.00	0.00	NTW	FALSE
SWAN004	0.00	0.00	0.00	1.00		NTW	FALSE
SWAN004	0.00	1.50	1.50	1.35	90.00	NTW	FALSE
SWAN004	1.50	3.00	1.50	0.80	53.33	NTW	FALSE

SWAN004	3.00	4.50	1.50	1.50	100.00	NTW	FALSE
SWAN004	4.50	6.00	1.50	2.05	136.67	NTW	FALSE
SWAN004	6.00	9.00	3.00	1.50	50.00	NTW	FALSE
SWAN004	9.00	10.50	1.50	1.50	100.00	NTW	FALSE
SWAN004	10.50	12.00	1.50	1.18	78.67	NTW	FALSE
SWAN004	12.00	13.50	1.50	1.60	106.67	NTW	FALSE
SWAN004	13.50	15.00	1.50	1.37	91.33	NTW	FALSE
SWAN004	15.00	16.50	1.50	1.75	116.67	NTW	FALSE
SWAN004	16.50	18.00	1.50	1.93	128.67	NTW	FALSE
SWAN004	18.00	19.50	1.50	1.43	95.33	NTW	FALSE
SWAN004	19.50	21.00	1.50	1.41	94.00	NTW	FALSE
SWAN004	21.00	22.50	1.50	1.20	80.00	NTW	FALSE
SWAN004	22.50	24.00	1.50	1.04	69.33	NTW	FALSE
SWAN004	24.00	25.50	1.50	1.50	100.00	NTW	FALSE
SWAN004	25.50	27.00	1.50	1.34	89.33	NTW	FALSE
SWAN004	27.00	28.00	1.00	1.27	127.00	NTW	FALSE
SWAN004	28.00	29.00	1.00	1.00	100.00	NTW	FALSE
SWAN004	29.00	30.00	1.00	1.28	128.00	NTW	FALSE
SWAN004	30.00	31.50	1.50	1.45	96.67	NTW	FALSE
SWAN004	31.50	33.00	1.50	1.95	130.00	NTW	FALSE
SWAN004	33.00	34.50	1.50	0.90	60.00	NTW	FALSE
SWAN004	34.50	36.00	1.50	1.30	86.67	NTW	FALSE
SWAN004	36.00	37.50	1.50	2.85	190.00	NTW	FALSE
SWAN004	37.50	40.50	3.00	2.03	67.67	NTW	FALSE
SWAN004	40.50	42.30	1.80	3.00	166.67	NTW	FALSE
SWAN004	42.30	45.00	2.70	1.40	51.85	NTW	FALSE
SWAN004	45.00	46.50	1.50	2.28	152.00	NTW	FALSE
SWAN004	46.50	49.50	3.00	2.35	78.33	NTW	FALSE
SWAN004	49.50	52.50	3.00		0.00	NTW	FALSE
SWAN005	0.00	0.00	0.00	0.30		NTW	FALSE
SWAN005	0.00	1.50	1.50	0.56	37.33	NTW	FALSE
SWAN005	1.50	3.00	1.50	0.85	56.67	NTW	FALSE
SWAN005	3.00	4.70	1.70	1.28	75.29	NTW	FALSE
SWAN005	4.70	6.30	1.60	1.30	81.25	NTW	FALSE
SWAN005	6.30	7.50	1.20	1.20	100.00	NTW	FALSE
SWAN005	7.50	8.50	1.00	0.86	86.00	NTW	FALSE
SWAN005	8.50	9.40	0.90	0.45	50.00	NTW	FALSE
SWAN005	9.40	10.50	1.10	0.30	27.27	NTW	FALSE
SWAN005	10.50	12.00	1.50	1.25	83.33	NTW	FALSE
SWAN005	12.00	13.50	1.50	0.60	40.00	NTW	FALSE
SWAN005	13.50	15.00	1.50	0.90	60.00	NTW	FALSE
SWAN005	15.00	16.50	1.50	1.50	100.00	NTW	FALSE
SWAN005	16.50	18.00	1.50	0.55	36.67	NTW	FALSE
SWAN005	18.00	19.50	1.50	0.47	31.33	NTW	FALSE
SWAN005	19.50	21.00	1.50	0.30	20.00	NTW	FALSE
SWAN005	21.00	22.50	1.50	1.24	82.67	NTW	FALSE

SWAN005	22.50	24.00	1.50	1.00	66.67	NTW	FALSE
SWAN005	24.00	25.50	1.50	0.00	0.00	NTW	FALSE
SWAN005B	0.00	0.00	0.00	1.40		NTW	FALSE
SWAN005B	0.00	1.50	1.50	1.42	94.67	NTW	FALSE
SWAN005B	1.50	3.00	1.50	1.07	71.33	NTW	FALSE
SWAN005B	3.00	4.50	1.50	1.08	72.00	NTW	FALSE
SWAN005B	4.50	6.00	1.50	2.28	152.00	NTW	FALSE
SWAN005B	6.00	8.30	2.30	0.68	29.57	NTW	FALSE
SWAN005B	8.30	9.00	0.70	1.39	198.57	NTW	FALSE
SWAN005B	9.00	11.00	2.00	0.78	39.00	NTW	FALSE
SWAN005B	11.00	12.00	1.00	0.97	97.00	NTW	FALSE
SWAN005B	12.00	13.50	1.50	1.68	112.00	NTW	FALSE
SWAN005B	13.50	15.00	1.50	1.20	80.00	NTW	FALSE
SWAN005B	15.00	16.50	1.50	2.73	182.00	NTW	FALSE
SWAN005B	16.50	19.50	3.00	3.43	114.33	NTW	FALSE
SWAN005B	19.50	22.50	3.00	1.34	44.67	NTW	FALSE
SWAN005B	22.50	24.00	1.50	2.62	174.67	NTW	FALSE
SWAN005B	24.00	26.00	2.00	0.92	46.00	NTW	FALSE
SWAN005B	26.00	27.50	1.50	1.05	70.00	NTW	FALSE
SWAN005B	27.50	30.00	2.50	0.00	0.00	NTW	FALSE
SWAN006	0.00	0.00	0.00	1.83		NTW	FALSE
SWAN006	0.00	3.00	3.00	2.19	73.00	NTW	FALSE
SWAN006	3.00	4.70	1.70	1.70	100.00	NTW	FALSE
SWAN006	4.70	6.00	1.30	0.40	30.77	NTW	FALSE
SWAN006	6.00	7.50	1.50	1.23	82.00	NTW	FALSE
SWAN006	7.50	9.00	1.50	1.86	124.00	NTW	FALSE
SWAN006	9.00	10.50	1.50	0.61	40.67	NTW	FALSE
SWAN006	10.50	12.00	1.50	2.08	138.67	NTW	FALSE
SWAN006	12.00	13.50	1.50	2.33	155.33	NTW	FALSE
SWAN006	13.50	15.00	1.50	1.56	104.00	NTW	FALSE
SWAN006	15.00	16.50	1.50	0.55	36.67	NTW	FALSE
SWAN006	16.50	18.00	1.50	2.22	148.00	NTW	FALSE
SWAN006	18.00	20.00	2.00	1.26	63.00	NTW	FALSE
SWAN006	20.00	21.00	1.00	2.65	265.00	NTW	FALSE
SWAN006	21.00	24.00	3.00	1.68	56.00	NTW	FALSE
SWAN006	24.00	27.00	3.00	1.22	40.67	NTW	FALSE
SWAN006	27.00	30.00	3.00	1.43	47.67	NTW	FALSE
SWAN006	30.00	33.00	3.00	1.34	44.67	NTW	FALSE
SWAN006	33.00	34.50	1.50	0.85	56.67	NTW	FALSE
SWAN006	34.50	36.00	1.50	0.00	0.00	NTW	FALSE
SWAN007	0.00	0.00	0.00	2.82		NTW	FALSE
SWAN007	0.00	3.00	3.00	2.08	69.33	NTW	FALSE
SWAN007	3.00	4.80	1.80	0.80	44.44	NTW	FALSE
SWAN007	4.80	6.00	1.20	1.62	135.00	NTW	FALSE
SWAN007	6.00	7.50	1.50	0.80	53.33	NTW	FALSE
SWAN007	7.50	9.00	1.50	1.09	72.67	NTW	FALSE

SWAN007	9.00	10.50	1.50	1.60	106.67	NTW	FALSE
SWAN007	10.50	12.00	1.50	1.35	90.00	NTW	FALSE
SWAN007	12.00	13.50	1.50	1.53	102.00	NTW	FALSE
SWAN007	13.50	15.00	1.50	1.08	72.00	NTW	FALSE
SWAN007	15.00	16.50	1.50	2.56	170.67	NTW	FALSE
SWAN007	16.50	19.50	3.00	2.22	74.00	NTW	FALSE
SWAN007	19.50	22.50	3.00	2.92	97.33	NTW	FALSE
SWAN007	22.50	25.50	3.00	1.45	48.33	NTW	FALSE
SWAN007	25.50	27.00	1.50	1.52	101.33	NTW	FALSE
SWAN007	27.00	28.50	1.50	1.10	73.33	NTW	FALSE
SWAN007	28.50	30.00	1.50	0.00	0.00	NTW	FALSE
SWAN008	0.00	0.00	0.00	2.10		NTW	FALSE
SWAN008	0.00	3.00	3.00	0.92	30.67	NTW	FALSE
SWAN008	3.00	4.50	1.50	1.24	82.67	NTW	FALSE
SWAN008	4.50	6.00	1.50	1.50	100.00	NTW	FALSE
SWAN008	6.00	8.20	2.20	0.42	19.09	NTW	FALSE
SWAN008	8.20	9.00	0.80	1.54	192.50	NTW	FALSE
SWAN008	9.00	10.50	1.50	0.46	30.67	NTW	FALSE
SWAN008	10.50	12.00	1.50	0.96	64.00	NTW	FALSE
SWAN008	12.00	13.50	1.50	0.68	45.33	NTW	FALSE
SWAN008	13.50	15.00	1.50	3.40	226.67	NTW	FALSE
SWAN008	15.00	18.00	3.00	1.72	57.33	NTW	FALSE
SWAN008	18.00	21.00	3.00	1.28	42.67	NTW	FALSE
SWAN008	21.00	22.50	1.50	0.85	56.67	NTW	FALSE
SWAN008	22.50	25.50	3.00	1.47	49.00	NTW	FALSE
SWAN008	25.50	27.00	1.50	2.80	186.67	NTW	FALSE
SWAN008	27.00	30.00	3.00	1.76	58.67	NTW	FALSE
SWAN008	30.00	31.50	1.50	1.77	118.00	NTW	FALSE
SWAN008	31.50	33.00	1.50	1.37	91.33	NTW	FALSE
SWAN008	33.00	34.50	1.50	1.60	106.67	NTW	FALSE
SWAN008	34.50	36.00	1.50	1.22	81.33	NTW	FALSE
SWAN008	36.00	37.50	1.50	1.34	89.33	NTW	FALSE
SWAN008	37.50	39.00	1.50	1.86	124.00	NTW	FALSE
SWAN008	39.00	40.50	1.50	1.03	68.67	NTW	FALSE
SWAN008	40.50	41.50	1.00	1.71	171.00	NTW	FALSE
SWAN008	41.50	43.50	2.00	1.41	70.50	NTW	FALSE
SWAN008	43.50	45.00	1.50	1.57	104.67	NTW	FALSE
SWAN008	45.00	46.60	1.60	1.16	72.50	NTW	FALSE
SWAN008	46.60	47.50	0.90	1.47	163.33	NTW	FALSE
SWAN008	47.50	49.00	1.50	1.05	70.00	NTW	FALSE
SWAN008	49.00	50.00	1.00		0.00	NTW	FALSE
SWAN010	0.00	0.00	0.00	2.50		NTW	FALSE
SWAN010	0.00	3.00	3.00	1.49	49.67	NTW	FALSE
SWAN010	3.00	4.50	1.50	2.61	174.00	NTW	FALSE
SWAN010	4.50	7.50	3.00	4.02	134.00	NTW	FALSE
SWAN010	7.50	10.50	3.00	1.84	61.33	NTW	FALSE

SWAN010	10.50	12.60	2.10	0.90	42.86	NTW	FALSE
SWAN010	12.60	13.50	0.90	1.10	122.22	NTW	FALSE
SWAN010	13.50	14.50	1.00	0.70	70.00	NTW	FALSE
SWAN010	14.50	15.20	0.70	1.35	192.86	NTW	FALSE
SWAN010	15.20	16.50	1.30	1.30	100.00	NTW	FALSE
SWAN010	16.50	18.00	1.50	2.04	136.00	NTW	FALSE
SWAN010	18.00	20.40	2.40	0.56	23.33	NTW	FALSE
SWAN010	20.40	21.00	0.60	2.32	386.67	NTW	FALSE
SWAN010	21.00	24.00	3.00	1.26	42.00	NTW	FALSE
SWAN010	24.00	25.50	1.50	1.26	84.00	NTW	FALSE
SWAN010	25.50	27.00	1.50	1.54	102.67	NTW	FALSE
SWAN010	27.00	29.00	2.00	0.91	45.50	NTW	FALSE
SWAN010	29.00	30.10	1.10	1.35	122.73	NTW	FALSE
SWAN010	30.10	31.80	1.70	1.24	72.94	NTW	FALSE
SWAN010	31.80	33.00	1.20	1.53	127.50	NTW	FALSE
SWAN010	33.00	34.50	1.50	0.90	60.00	NTW	FALSE
SWAN010	34.50	36.00	1.50	0.90	60.00	NTW	FALSE
SWAN010	36.00	37.00	1.00	0.92	92.00	NTW	FALSE
SWAN010	37.00	38.20	1.20	1.47	122.50	NTW	FALSE
SWAN010	38.20	39.50	1.30	0.45	34.62	NTW	FALSE
SWAN010	39.50	40.30	0.80	2.00	250.00	NTW	FALSE
SWAN010	40.30	42.00	1.70	1.25	73.53	NTW	FALSE
SWAN010	42.00	43.00	1.00	2.07	207.00	NTW	FALSE
SWAN010	43.00	45.00	2.00	1.22	61.00	NTW	FALSE
SWAN010	45.00	46.50	1.50	1.50	100.00	NTW	FALSE
SWAN010	46.50	48.00	1.50	2.25	150.00	NTW	FALSE
SWAN010	48.00	50.00	2.00	0.00	0.00	NTW	FALSE
SUN005	0.00	1.50	1.50	0.00	0.00	HQ3	FALSE
SUN005	1.50	2.40	0.90	0.40	44.44	HQ3	FALSE
SUN005	2.40	3.90	1.50	0.00	0.00	HQ3	FALSE
SUN005	3.90	4.60	0.70	0.18	25.71	HQ3	FALSE
SUN005	4.60	5.40	0.80	0.98	122.50	HQ3	FALSE
SUN005	5.40	6.25	0.85	0.60	70.59	HQ3	FALSE
SUN005	6.25	7.55	1.30	1.10	84.62	HQ3	FALSE
SUN005	7.55	8.20	0.65	0.65	100.00	HQ3	FALSE
SUN005	8.20	10.10	1.90	0.59	31.05	HQ3	FALSE
SUN005	10.10	10.35	0.25	0.25	100.00	HQ3	FALSE
SUN005	10.35	11.60	1.25	0.75	60.00	HQ3	FALSE
SUN005	11.60	12.40	0.80	0.27	33.75	HQ3	FALSE
SUN005	12.40	13.20	0.80	0.00	0.00	HQ3	FALSE
SUN005	13.20	14.00	0.80	0.65	81.25	HQ3	FALSE
SUN005	14.00	15.00	1.00	0.29	29.00	HQ3	FALSE
SUN005	15.00	15.65	0.65	0.32	49.23	HQ3	FALSE
SUN005	15.65	16.80	1.15	0.63	54.78	HQ3	FALSE
SUN005	16.80	17.50	0.70	0.39	55.71	HQ3	FALSE
SUN005	17.50	18.00	0.50	0.00	0.00	HQ3	FALSE

SUN005	18.00	18.80	0.80	0.21	26.25	HQ3	FALSE
SUN005	18.80	19.60	0.80	0.66	82.50	HQ3	FALSE
SUN005	19.60	20.40	0.80	0.23	28.75	HQ3	FALSE
SUN005	20.40	21.30	0.90	0.13	14.44	HQ3	FALSE
SUN005	21.30	22.10	0.80	0.36	45.00	HQ3	FALSE
SUN005	22.10	22.80	0.70	0.54	77.14	HQ3	FALSE
SUN005	22.80	23.50	0.70	0.65	92.86	HQ3	FALSE
SUN005	23.50	24.00	0.50	0.26	52.00	HQ3	FALSE
SUN005	24.00	25.30	1.30	0.40	30.77	HQ3	FALSE
SUN005	25.30	26.10	0.80	0.80	100.00	HQ3	FALSE
SUN005	26.10	27.00	0.90	0.50	55.56	HQ3	FALSE
SUN005	27.00	27.70	0.70	0.36	51.43	HQ3	FALSE
SUN005	27.70	28.30	0.60	0.56	93.33	HQ3	FALSE
SUN005	28.30	29.60	1.30	0.98	75.38	HQ3	FALSE
SUN005	29.60	30.60	1.00	0.50	50.00	HQ3	FALSE
SUN005	30.60	31.65	1.05	1.05	100.00	HQ3	FALSE
SUN005	31.65	31.95	0.30	0.54	180.00	HQ3	FALSE
SUN005	31.95	32.75	0.80	0.91	113.75	HQ3	FALSE
SUN005	32.75	33.60	0.85	0.76	89.41	HQ3	FALSE
SUN005	33.60	35.00	1.40	1.09	77.86	HQ3	FALSE
SUN005	35.00	36.00	1.00	0.95	95.00	HQ3	FALSE
SUN005	36.00	37.35	1.35	1.33	98.52	HQ3	FALSE
SUN005	37.35	38.10	0.75	0.50	66.67	HQ3	FALSE
SUN005	38.10	39.00	0.90	0.90	100.00	HQ3	FALSE
SUN005	39.00	40.90	1.90	1.58	83.16	HQ3	FALSE
SUN005	40.90	41.90	1.00	0.97	97.00	HQ3	FALSE
SUN005	41.90	43.20	1.30	1.20	92.31	HQ3	FALSE
SUN005	43.20	44.40	1.20	0.95	79.17	HQ3	FALSE
SUN005	44.40	44.90	0.50	0.81	162.00	HQ3	FALSE
SUN005	44.90	45.50	0.60	0.40	66.67	HQ3	FALSE
SUN005	45.50	45.90	0.40	0.23	57.50	HQ3	FALSE
SUN005	45.90	46.40	0.50	0.90	180.00	HQ3	FALSE
SUN005	46.40	47.10	0.70	0.80	114.29	HQ3	FALSE
SUN005	47.10	48.00	0.90	0.57	63.33	HQ3	FALSE
SUN005	48.00	49.30	1.30	0.73	56.15	HQ3	FALSE
SUN005	49.30	50.10	0.80	0.50	62.50	HQ3	FALSE
SUN005	50.10	51.00	0.90	0.00	0.00	HQ3	FALSE
SUN005	51.00	51.15	0.15	0.15	100.00	HQ3	FALSE
SUN005	51.15	51.80	0.65	0.52	80.00	HQ3	FALSE
SUN005	51.80	52.70	0.90	0.48	53.33	HQ3	FALSE
SUN005	52.70	53.80	1.10	0.74	67.27	HQ3	FALSE
SUN005	53.80	55.50	1.70	1.65	97.06	HQ3	FALSE
SUN005	55.50	57.00	1.50	1.10	73.33	HQ3	FALSE
SUN005	57.00	58.50	1.50	0.23	15.33	HQ3	FALSE
SUN005	58.50	59.00	0.50	0.31	62.00	HQ3	FALSE
SUN005	59.00	59.50	0.50	0.10	20.00	HQ3	FALSE

SUN005	59.50	60.00	0.50	0.21	42.00	HQ3	FALSE
SUN005	60.00	60.60	0.60	0.61	101.67	HQ3	FALSE
SUN005	60.60	61.80	1.20	1.18	98.33	HQ3	FALSE
SUN005	61.80	63.00	1.20	0.92	76.67	HQ3	FALSE
SUN005	63.00	63.65	0.65	0.20	30.77	HQ3	FALSE
SUN005	63.65	64.40	0.75	0.35	46.67	HQ3	FALSE
SUN005	64.40	65.80	1.40	1.20	85.71	HQ3	FALSE
SUN005	65.80	66.80	1.00	0.64	64.00	HQ3	FALSE
SUN005	66.80	67.70	0.90	1.32	146.67	HQ3	FALSE
SUN005	67.70	69.00	1.30	0.58	44.62	HQ3	FALSE
SUN005	69.00	69.80	0.80	0.50	62.50	HQ3	FALSE
SUN005	69.80	71.00	1.20	1.23	102.50	HQ3	FALSE
SUN005	71.00	72.00	1.00	0.83	83.00	HQ3	FALSE
SUN005	72.00	73.00	1.00	0.96	96.00	HQ3	FALSE
SUN005	73.00	73.40	0.40	0.40	100.00	HQ3	FALSE
SUN005	73.40	74.90	1.50	0.00	0.00	HQ3	FALSE
SUN005	74.90	75.90	1.00	0.62	62.00	HQ3	FALSE
SUN005	75.90	77.90	2.00	1.90	95.00	HQ3	FALSE
SUN005	77.90	78.40	0.50	0.68	136.00	HQ3	FALSE
SUN005	78.40	79.80	1.40	1.21	86.43	HQ3	FALSE
SUN005	79.80	80.10	0.30	0.36	120.00	HQ3	FALSE
SUN005	80.10	81.00	0.90	0.79	87.78	HQ3	FALSE
SUN005	81.00	81.30	0.30	0.30	100.00	HQ3	FALSE
SUN005	81.30	81.95	0.65	0.60	92.31	HQ3	FALSE
SUN010	0.00	1.00	1.00		85.00		FALSE
SUN010	1.00	2.00	1.00		75.00		FALSE
SUN010	2.00	3.00	1.00		90.00		FALSE
SUN010	3.00	4.00	1.00		75.00		FALSE
SUN010	4.00	5.00	1.00		60.00		FALSE
SUN010	5.00	6.00	1.00		95.00		FALSE
SUN010	6.00	7.00	1.00		50.00		FALSE
SUN010	7.00	8.00	1.00		30.00		FALSE
SUN010	8.00	9.00	1.00		50.00		FALSE
SUN010	9.00	10.00	1.00		45.00		FALSE
SUN010	10.00	11.00	1.00		80.00		FALSE
SUN010	11.00	12.00	1.00		90.00		FALSE
SUN010	12.00	13.00	1.00		70.00		FALSE
SUN010	13.00	14.00	1.00		95.00		FALSE
SUN010	14.00	15.00	1.00		60.00		FALSE
SUN010	15.00	16.00	1.00		75.00		FALSE
SUN010	16.00	17.00	1.00		70.00		FALSE
SUN010	17.00	18.00	1.00		90.00		FALSE
SUN010	18.00	19.00	1.00		80.00		FALSE
SUN010	19.00	20.00	1.00		95.00		FALSE
SUN010	20.00	21.00	1.00		95.00		FALSE
SUN010	21.00	22.00	1.00		95.00		FALSE

SUN010	22.00	23.00	1.00	85.00	FALSE
SUN010	23.00	24.00	1.00	80.00	FALSE
SUN010	24.00	25.00	1.00	95.00	FALSE
SUN010	25.00	26.00	1.00	90.00	FALSE
SUN010	26.00	27.00	1.00	95.00	FALSE
SUN010	27.00	28.00	1.00	95.00	FALSE
SUN010	28.00	29.00	1.00	95.00	FALSE
SUN010	29.00	30.00	1.00	95.00	FALSE
SUN010	30.00	31.00	1.00	95.00	FALSE
SUN010	31.00	32.00	1.00	95.00	FALSE
SUN010	32.00	33.00	1.00	95.00	FALSE
SUN010	33.00	34.00	1.00	95.00	FALSE
SUN010	34.00	35.00	1.00	95.00	FALSE
SUN010	35.00	36.00	1.00	95.00	FALSE
SUN010	36.00	37.00	1.00	95.00	FALSE
SUN010	37.00	38.00	1.00	95.00	FALSE
SUN010	38.00	39.00	1.00	95.00	FALSE
SUN010	39.00	40.00	1.00	95.00	FALSE
SUN010	40.00	41.00	1.00	95.00	FALSE
SUN010	41.00	42.00	1.00	95.00	FALSE
SUN010	42.00	43.00	1.00	95.00	FALSE
SUN010	43.00	44.00	1.00	80.00	FALSE
SUN010	44.00	45.00	1.00	85.00	FALSE
SUN010	45.00	46.00	1.00	90.00	FALSE
SUN010	46.00	47.00	1.00	95.00	FALSE
SUN010	47.00	48.00	1.00	70.00	FALSE
SUN010	48.00	49.00	1.00	65.00	FALSE
SUN010	49.00	50.00	1.00	80.00	FALSE
SUN010	50.00	51.00	1.00	85.00	FALSE
SUN010	51.00	52.00	1.00	90.00	FALSE
SUN010	52.00	53.00	1.00	90.00	FALSE
SUN010	53.00	54.00	1.00	90.00	FALSE
SUN010	54.00	55.00	1.00	80.00	FALSE
SUN010	55.00	56.00	1.00	85.00	FALSE
SUN010	56.00	57.00	1.00	90.00	FALSE
SUN010	57.00	58.00	1.00	95.00	FALSE
SUN010	58.00	59.00	1.00	95.00	FALSE
SUN010	59.00	60.00	1.00	95.00	FALSE
SUN010	60.00	61.00	1.00	95.00	FALSE
SUN013	0.00	1.00	1.00	0.00	FALSE
SUN013	1.00	2.00	1.00	0.00	FALSE
SUN013	2.00	3.00	1.00	0.00	FALSE
SUN013	3.00	4.00	1.00	0.00	FALSE
SUN013	4.00	5.00	1.00	50.00	FALSE
SUN013	5.00	6.00	1.00	25.00	FALSE
SUN013	6.00	7.00	1.00	70.00	FALSE

SUN013	7.00	8.00	1.00	40.00	FALSE
SUN013	8.00	9.00	1.00	30.00	FALSE
SUN013	9.00	10.00	1.00	50.00	FALSE
SUN013	10.00	11.00	1.00	60.00	FALSE
SUN013	11.00	12.00	1.00	30.00	FALSE
SUN013	12.00	13.00	1.00	0.00	FALSE
SUN013	13.00	14.00	1.00	15.00	FALSE
SUN013	14.00	15.00	1.00	25.00	FALSE
SUN013	15.00	16.00	1.00	20.00	FALSE
SUN013	16.00	17.00	1.00	10.00	FALSE
SUN013	17.00	18.00	1.00	10.00	FALSE
SUN013	18.00	19.00	1.00	7.00	FALSE
SUN013	19.00	20.00	1.00	35.00	FALSE
SUN013	20.00	21.00	1.00	50.00	FALSE
SUN013	21.00	22.00	1.00	75.00	FALSE
SUN013	22.00	23.00	1.00	70.00	FALSE
SUN013	23.00	24.00	1.00	60.00	FALSE
SUN013	24.00	25.00	1.00	40.00	FALSE
SUN013	25.00	26.00	1.00	20.00	FALSE
SUN013	26.00	27.00	1.00	85.00	FALSE
SUN013	27.00	28.00	1.00	50.00	FALSE
SUN013	28.00	29.00	1.00	70.00	FALSE
SUN013	29.00	30.00	1.00	90.00	FALSE
SUN013	30.00	31.00	1.00	95.00	FALSE
SUN013	31.00	32.00	1.00	95.00	FALSE
SUN013	32.00	33.00	1.00	95.00	FALSE
SUN013	33.00	34.00	1.00	95.00	FALSE
SUN013	34.00	35.00	1.00	95.00	FALSE
SUN013	35.00	36.00	1.00	90.00	FALSE
SUN013	36.00	37.00	1.00	95.00	FALSE
SUN013	37.00	38.00	1.00	95.00	FALSE
SUN013	38.00	39.00	1.00	95.00	FALSE
SUN013	39.00	40.00	1.00	95.00	FALSE
SUN013	40.00	41.00	1.00	10.00	FALSE
SUN015	0.00	1.00	1.00	7.00	FALSE
SUN015	1.00	2.00	1.00	7.00	FALSE
SUN015	2.00	3.00	1.00	7.00	FALSE
SUN015	3.00	4.00	1.00	7.00	FALSE
SUN015	4.00	5.00	1.00	7.00	FALSE
SUN015	5.00	6.00	1.00	30.00	FALSE
SUN015	6.00	7.00	1.00	70.00	FALSE
SUN015	7.00	8.00	1.00	70.00	FALSE
SUN015	8.00	9.00	1.00	75.00	FALSE
SUN015	9.00	10.00	1.00	95.00	FALSE
SUN015	10.00	11.00	1.00	95.00	FALSE
SUN015	11.00	12.00	1.00	95.00	FALSE

SUN015	12.00	13.00	1.00	95.00	FALSE
SUN015	13.00	14.00	1.00	85.00	FALSE
SUN015	14.00	15.00	1.00	60.00	FALSE
SUN015	15.00	16.00	1.00	40.00	FALSE
SUN015	16.00	17.00	1.00	45.00	FALSE
SUN015	17.00	18.00	1.00	35.00	FALSE
SUN015	18.00	19.00	1.00	25.00	FALSE
SUN015	19.00	20.00	1.00	10.00	FALSE
SUN015	20.00	21.00	1.00	15.00	FALSE
SUN015	21.00	22.00	1.00	70.00	FALSE
SUN015	22.00	23.00	1.00	65.00	FALSE
SUN015	23.00	24.00	1.00	80.00	FALSE
SUN015	24.00	25.00	1.00	90.00	FALSE
SUN015	25.00	26.00	1.00	80.00	FALSE
SUN015	26.00	27.00	1.00	75.00	FALSE
SUN015	27.00	28.00	1.00	75.00	FALSE
SUN015	28.00	29.00	1.00	70.00	FALSE
SUN015	29.00	30.00	1.00	85.00	FALSE
SUN015	30.00	31.00	1.00	75.00	FALSE
SUN015	31.00	32.00	1.00	80.00	FALSE
SUN015	32.00	33.00	1.00	85.00	FALSE
SUN015	33.00	34.00	1.00	90.00	FALSE
SUN015	34.00	35.00	1.00	70.00	FALSE
SUN015	35.00	36.00	1.00	40.00	FALSE
SUN015	36.00	37.00	1.00	30.00	FALSE
SUN015	37.00	38.00	1.00	80.00	FALSE
SUN015	38.00	39.00	1.00	80.00	FALSE
SUN015	39.00	40.00	1.00	95.00	FALSE
SUN015	40.00	41.00	1.00	60.00	FALSE
SUN017	0.00	1.00	1.00	10.00	FALSE
SUN017	1.00	2.00	1.00	15.00	FALSE
SUN017	2.00	3.00	1.00	85.00	FALSE
SUN017	3.00	4.00	1.00	95.00	FALSE
SUN017	4.00	5.00	1.00	95.00	FALSE
SUN017	5.00	6.00	1.00	3.00	FALSE
SUN017	6.00	7.00	1.00	25.00	FALSE
SUN017	7.00	8.00	1.00	25.00	FALSE
SUN017	8.00	9.00	1.00	25.00	FALSE
SUN017	9.00	10.00	1.00	20.00	FALSE
SUN017	10.00	11.00	1.00	90.00	FALSE
SUN017	11.00	12.00	1.00	80.00	FALSE
SUN017	12.00	13.00	1.00	60.00	FALSE
SUN017	13.00	14.00	1.00	30.00	FALSE
SUN017	14.00	15.00	1.00	65.00	FALSE
SUN017	15.00	16.00	1.00	80.00	FALSE
SUN017	16.00	17.00	1.00	90.00	FALSE

SUN017	17.00	18.00	1.00	90.00	FALSE
SUN017	18.00	19.00	1.00	75.00	FALSE
SUN017	19.00	20.00	1.00	75.00	FALSE
SUN017	20.00	21.00	1.00	90.00	FALSE
SUN017	21.00	22.00	1.00	40.00	FALSE
SUN017	22.00	23.00	1.00	95.00	FALSE
SUN017	23.00	24.00	1.00	90.00	FALSE
SUN017	24.00	25.00	1.00	35.00	FALSE
SUN017	25.00	26.00	1.00	45.00	FALSE
SUN017	26.00	27.00	1.00	50.00	FALSE
SUN017	27.00	28.00	1.00	20.00	FALSE
SUN017	28.00	29.00	1.00	80.00	FALSE
SUN017	29.00	30.00	1.00	80.00	FALSE
SUN017	30.00	31.00	1.00	90.00	FALSE
SUN017	31.00	32.00	1.00	90.00	FALSE
SUN017	32.00	33.00	1.00	60.00	FALSE
SUN017	33.00	34.00	1.00	25.00	FALSE
SUN017	34.00	35.00	1.00	20.00	FALSE
SUN017	35.00	36.00	1.00	40.00	FALSE
SUN017	36.00	37.00	1.00	70.00	FALSE
SUN019	0.00	1.00	1.00	7.00	FALSE
SUN019	1.00	2.00	1.00	7.00	FALSE
SUN019	2.00	3.00	1.00	7.00	FALSE
SUN019	3.00	4.00	1.00	30.00	FALSE
SUN019	4.00	5.00	1.00	60.00	FALSE
SUN019	5.00	6.00	1.00	60.00	FALSE
SUN019	6.00	7.00	1.00	50.00	FALSE
SUN019	7.00	8.00	1.00	75.00	FALSE
SUN019	8.00	9.00	1.00	80.00	FALSE
SUN019	9.00	10.00	1.00	95.00	FALSE
SUN019	10.00	11.00	1.00	95.00	FALSE
SUN019	11.00	12.00	1.00	95.00	FALSE
SUN019	12.00	13.00	1.00	95.00	FALSE
SUN019	13.00	14.00	1.00	95.00	FALSE
SUN019	14.00	15.00	1.00	80.00	FALSE
SUN019	15.00	16.00	1.00	75.00	FALSE
SUN019	16.00	17.00	1.00	45.00	FALSE
SUN019	17.00	18.00	1.00	60.00	FALSE
SUN019	18.00	19.00	1.00	60.00	FALSE
SUN019	19.00	20.00	1.00	60.00	FALSE
SUN019	20.00	21.00	1.00	90.00	FALSE
SUN019	21.00	22.00	1.00	65.00	FALSE
SUN019	22.00	23.00	1.00	90.00	FALSE
SUN019	23.00	24.00	1.00	95.00	FALSE
SUN019	24.00	25.00	1.00	95.00	FALSE
SUN019	25.00	26.00	1.00	95.00	FALSE

SUN019	26.00	27.00	1.00	95.00	FALSE
SUN019	27.00	28.00	1.00	15.00	FALSE
SUN019	28.00	29.00	1.00	40.00	FALSE
SUN019	29.00	30.00	1.00	55.00	FALSE
SUN019	30.00	31.00	1.00	15.00	FALSE
SUN026	0.00	1.00	1.00	15.00	FALSE
SUN026	1.00	2.00	1.00	50.00	FALSE
SUN026	2.00	3.00	1.00	50.00	FALSE
SUN026	3.00	4.00	1.00	50.00	FALSE
SUN026	4.00	5.00	1.00	50.00	FALSE
SUN026	5.00	6.00	1.00	90.00	FALSE
SUN026	6.00	7.00	1.00	75.00	FALSE
SUN026	7.00	8.00	1.00	85.00	FALSE
SUN026	8.00	9.00	1.00	90.00	FALSE
SUN026	9.00	10.00	1.00	90.00	FALSE
SUN026	10.00	11.00	1.00	60.00	FALSE
SUN026	11.00	12.00	1.00	80.00	FALSE
SUN026	12.00	13.00	1.00	90.00	FALSE
SUN026	13.00	14.00	1.00	45.00	FALSE
SUN026	14.00	15.00	1.00	25.00	FALSE
SUN026	15.00	16.00	1.00	25.00	FALSE
SUN026	16.00	17.00	1.00	70.00	FALSE
SUN026	17.00	18.00	1.00	85.00	FALSE
SUN026	18.00	19.00	1.00	95.00	FALSE
SUN026	19.00	20.00	1.00	95.00	FALSE
SUN026	20.00	21.00	1.00	95.00	FALSE
SUN026	21.00	22.00	1.00	95.00	FALSE
SUN026	22.00	23.00	1.00	95.00	FALSE
SUN026	23.00	24.00	1.00	95.00	FALSE
SUN026	24.00	25.00	1.00	95.00	FALSE
SUN026	25.00	26.00	1.00	25.00	FALSE
SUN026	26.00	27.00	1.00	65.00	FALSE
SUN026	27.00	28.00	1.00	95.00	FALSE
SUN026	28.00	29.00	1.00	95.00	FALSE
SUN026	29.00	30.00	1.00	95.00	FALSE
SUN026	30.00	31.00	1.00	95.00	FALSE
SUN026	31.00	32.00	1.00	95.00	FALSE
SUN026	32.00	33.00	1.00	40.00	FALSE
SUN026	33.00	34.00	1.00	45.00	FALSE
SUN026	34.00	35.00	1.00	95.00	FALSE
SUN026	35.00	36.00	1.00	40.00	FALSE
SUN026	36.00	37.00	1.00	95.00	FALSE
SUN026	37.00	38.00	1.00	95.00	FALSE
SUN026	38.00	39.00	1.00	95.00	FALSE
SUN026	39.00	40.00	1.00	95.00	FALSE
SUN026	40.00	41.00	1.00	95.00	FALSE

SUN026	41.00	42.00	1.00		95.00		FALSE
SUN026	42.00	43.00	1.00		95.00		FALSE
SUN026	43.00	44.00	1.00		95.00		FALSE
SUN026	44.00	45.00	1.00		95.00		FALSE
SUN026	45.00	46.00	1.00		95.00		FALSE
SUN026	46.00	47.00	1.00		95.00		FALSE
SUN026	47.00	48.00	1.00		95.00		FALSE
SUN026	48.00	49.00	1.00		95.00		FALSE
SUN026	49.00	50.00	1.00		95.00		FALSE
SUN026	50.00	51.00	1.00		95.00		FALSE
SUN026	51.00	52.00	1.00		95.00		FALSE
SUN026	52.00	53.00	1.00		95.00		FALSE
SUN026	53.00	54.00	1.00		90.00		FALSE
SUN026	54.00	55.00	1.00		95.00		FALSE
SUN026	55.00	56.00	1.00		90.00		FALSE
SUN026	56.00	57.00	1.00		95.00		FALSE
SUN026	57.00	58.00	1.00		95.00		FALSE
SUN026	58.00	59.00	1.00		80.00		FALSE
SUN026	59.00	60.00	1.00		90.00		FALSE
SUN027	0.00	1.00	1.00		10.00		FALSE
SUN027	1.00	2.00	1.00		10.00		FALSE
SUN027	2.00	3.00	1.00		15.00		FALSE
SUN027	3.00	4.00	1.00		20.00		FALSE
SUN027	4.00	5.00	1.00		15.00		FALSE
SUN027	5.00	6.00	1.00		40.00		FALSE
SUN027	6.00	7.00	1.00		50.00		FALSE
SUN027	7.00	8.00	1.00		40.00		FALSE
SUN027	8.00	9.00	1.00		60.00		FALSE
SUN027	9.00	10.00	1.00		80.00		FALSE
SUN027	10.00	11.00	1.00		80.00		FALSE
SUN027	11.00	12.00	1.00		80.00		FALSE
SUN027	12.00	13.00	1.00		95.00		FALSE
SUN027	13.00	14.00	1.00		95.00		FALSE
SUN027	14.00	15.00	1.00		70.00		FALSE
SUN027	15.00	16.00	1.00		25.00		FALSE
SUN027	16.00	17.00	1.00		20.00		FALSE
SUN027	17.00	18.00	1.00		10.00		FALSE
SUN027	18.00	19.00	1.00		50.00		FALSE
SUN027	19.00	20.00	1.00		50.00		FALSE
SUN027	20.00	21.00	1.00		30.00		FALSE
SUN027	21.00	22.00	1.00		30.00		FALSE
SUN027	22.00	23.00	1.00		20.00		FALSE
SUN027	23.00	24.00	1.00		25.00		FALSE
SUN027	24.00	25.00	1.00		10.00		FALSE
SUN027	25.00	26.00	1.00		0.00		FALSE
SUN007	0.00	1.00	1.00	0.00	0.00	HQ3	FALSE

SUN007	1.00	2.00	1.00	0.97	97.00	HQ3	FALSE
SUN007	2.00	3.50	1.50	0.95	63.33	HQ3	FALSE
SUN007	3.50	5.00	1.50	1.00	66.67	HQ3	FALSE
SUN007	5.00	6.40	1.40	1.50	107.14	HQ3	FALSE
SUN007	6.40	6.90	0.50	0.55	110.00	HQ3	FALSE
SUN007	6.90	8.00	1.10	0.70	63.64	HQ3	FALSE
SUN007	8.00	8.60	0.60	0.40	66.67	HQ3	FALSE
SUN007	8.60	9.70	1.10	0.70	63.64	HQ3	FALSE
SUN007	9.70	11.00	1.30	0.40	30.77	HQ3	FALSE
SUN007	11.00	11.90	0.90	0.30	33.33	HQ3	FALSE
SUN007	11.90	12.20	0.30	0.00	0.00	HQ3	FALSE
SUN007	12.20	12.90	0.70	0.00	0.00	HQ3	FALSE
SUN022	12.00	15.00	3.00	0.00	0.00	NTW	FALSE
SUN022	15.00	18.00	3.00	0.00	0.00	NTW	FALSE
SUN022	18.00	21.00	3.00	0.00	0.00	NTW	FALSE
SUN022	21.00	24.00	3.00	0.00	0.00	NTW	FALSE
SUN022	24.00	27.00	3.00	0.00	0.00	NTW	FALSE
SUN022	27.00	30.00	3.00	0.00	0.00	NTW	FALSE
SUN022	30.00	33.00	3.00	0.00	0.00	NTW	FALSE
SUN022	33.00	36.00	3.00	0.00	0.00	NTW	FALSE
SUN022	36.00	39.00	3.00	0.00	0.00	NTW	FALSE
SUN022	39.00	42.00	3.00	0.00	0.00	NTW	FALSE
SUN022	42.00	45.00	3.00	0.00	0.00	NTW	FALSE
SUN022	45.00	48.00	3.00	0.00	0.00	NTW	FALSE
SUN022	48.00	51.00	3.00	0.00	0.00	NTW	FALSE
SUN022	51.00	54.00	3.00	0.00	0.00	NTW	FALSE
SUN022	54.00	57.00	3.00	0.00	0.00	NTW	FALSE
SUN022	57.00	60.00	3.00	0.00	0.00	NTW	FALSE
SUN022	60.00	63.00	3.00	0.00	0.00	NTW	FALSE
SUN007	12.90	13.50	0.60	0.15	25.00	HQ3	FALSE
SUN007	13.50	13.70	0.20	0.10	50.00	HQ3	FALSE
SUN007	13.70	14.40	0.70	0.50	71.43	HQ3	FALSE
SUN007	14.40	15.20	0.80	0.05	6.25	HQ3	FALSE
SUN007	15.20	15.90	0.70	0.00	0.00	HQ3	FALSE
SUN007	15.90	17.00	1.10	0.00	0.00	HQ3	FALSE
SUN007	17.00	17.80	0.80	0.10	12.50	HQ3	FALSE
SUN007	17.80	19.50	1.70	0.10	5.88	HQ3	FALSE
SUN007	19.50	20.30	0.80	1.10	137.50	HQ3	FALSE
SUN007	20.30	20.90	0.60	0.40	66.67	HQ3	FALSE
SUN007	20.90	21.70	0.80	0.80	100.00	HQ3	FALSE
SUN007	21.70	22.10	0.40	0.65	162.50	HQ3	FALSE
SUN007	22.10	23.00	0.90	0.55	61.11	HQ3	FALSE
SUN007	23.00	23.80	0.80	1.12	140.00	HQ3	FALSE
SUN007	23.80	25.20	1.40	1.20	85.71	HQ3	FALSE
SUN007	25.20	26.00	0.80	0.50	62.50	HQ3	FALSE
SUN007	26.00	26.30	0.30	0.35	116.67	HQ3	FALSE

SUN007	26.30	27.50	1.20	0.50	41.67	HQ3	FALSE
SUN007	27.50	27.90	0.40	0.25	62.50	HQ3	FALSE
SUN007	27.90	28.65	0.75	1.00	133.33	HQ3	FALSE
SUN007	28.65	29.55	0.90	0.55	61.11	HQ3	FALSE
SUN007	29.55	30.35	0.80	0.10	12.50	HQ3	FALSE
SUN007	30.35	31.55	1.20	0.97	80.83	HQ3	FALSE
SUN007	31.55	32.00	0.45	0.72	160.00	HQ3	FALSE
SUN007	32.00	33.00	1.00	1.00	100.00	HQ3	FALSE
SUN007	33.00	33.90	0.90	0.65	72.22	HQ3	FALSE
SUN007	33.90	34.65	0.75	0.75	100.00	HQ3	FALSE
SUN007	34.65	35.20	0.55	0.55	100.00	HQ3	FALSE
SUN007	35.20	36.10	0.90	0.01	1.11	HQ3	FALSE
SUN007	36.10	36.20	0.10	0.00	0.00	HQ3	FALSE
SUN007	36.20	36.90	0.70	0.48	68.57	HQ3	FALSE
SUN007	36.90	37.60	0.70	0.75	107.14	HQ3	FALSE
SUN007	37.60	38.00	0.40	0.30	75.00	HQ3	FALSE
SUN007	38.00	38.50	0.50	0.65	130.00	HQ3	FALSE
SUN007	38.50	40.10	1.60	0.55	34.38	HQ3	FALSE
SUN007	40.10	41.00	0.90	0.66	73.33	HQ3	FALSE
SUN007	41.00	41.50	0.50	0.44	88.00	HQ3	FALSE
SUN007	41.50	42.50	1.00	0.80	80.00	HQ3	FALSE
SUN007	42.50	43.40	0.90	0.00	0.00	HQ3	FALSE
SUN007	43.40	44.00	0.60	0.62	103.33	HQ3	FALSE
SUN007	44.00	45.50	1.50	1.58	105.33	HQ3	FALSE
SUN007	45.50	47.00	1.50	1.05	70.00	HQ3	FALSE
SUN007	47.00	48.50	1.50	2.10	140.00	HQ3	FALSE
SUN007	48.50	50.00	1.50	1.50	100.00	HQ3	FALSE
SUN007	50.00	51.50	1.50	1.50	100.00	HQ3	FALSE
SUN007	51.50	52.50	1.00	1.10	110.00	HQ3	FALSE
SUN007	52.50	53.50	1.00	1.00	100.00	HQ3	FALSE
SUN007	53.50	55.00	1.50	1.50	100.00	HQ3	FALSE
SUN007	55.00	56.00	1.00	0.90	90.00	HQ3	FALSE
SUN007	56.00	57.50	1.50	1.50	100.00	HQ3	FALSE
SUN007	57.50	59.00	1.50	1.65	110.00	HQ3	FALSE
SUN007	59.00	60.50	1.50	1.65	110.00	HQ3	FALSE
SUN007	60.50	62.00	1.50	1.50	100.00	HQ3	FALSE
SUN007	62.00	63.50	1.50	1.45	96.67	HQ3	FALSE
SUN007	63.50	65.00	1.50	1.40	93.33	HQ3	FALSE
SUN007	65.00	66.40	1.40	1.35	96.43	HQ3	FALSE
SUN007	66.40	67.80	1.40	1.50	107.14	HQ3	FALSE
SUN007	67.80	69.40	1.60	1.55	96.87	HQ3	FALSE
SUN007	69.40	71.00	1.60	1.50	93.75	HQ3	FALSE
SUN007	71.00	72.50	1.50	1.60	106.67	HQ3	FALSE
SUN007	72.50	73.20	0.70	0.64	91.43	HQ3	FALSE
SUN007	73.20	74.00	0.80	1.05	131.25	HQ3	FALSE
SUN007	74.00	75.40	1.40	1.22	87.14	HQ3	FALSE

SUN007	75.40	76.90	1.50	1.60	106.67	HQ3	FALSE
SUN007	76.90	78.40	1.50	1.64	109.33	HQ3	FALSE
SUN007	78.40	79.90	1.50	1.65	110.00	HQ3	FALSE
SUN007	79.90	81.50	1.60	1.50	93.75	HQ3	FALSE
SUN007	81.50	83.00	1.50	1.50	100.00	HQ3	FALSE
SUN007	83.00	84.50	1.50	1.50	100.00	HQ3	FALSE
SUN007	84.50	86.00	1.50	1.45	96.67	HQ3	FALSE
SUN007	86.00	87.50	1.50	1.72	114.67	HQ3	FALSE
SUN007	87.50	89.00	1.50	1.45	96.67	HQ3	FALSE
SUN007	89.00	90.20	1.20	1.35	112.50	HQ3	FALSE
SUN007	90.20	92.00	1.80	1.75	97.22	HQ3	FALSE
SUN007	92.00	93.40	1.40	1.15	82.14	HQ3	FALSE
SUN007	93.40	94.80	1.40	1.35	96.43	HQ3	FALSE
SUN007	94.80	95.70	0.90	0.70	77.78	HQ3	FALSE
SUN007	95.70	97.20	1.50	0.64	42.67	HQ3	FALSE
SUN007	97.20	98.00	0.80	1.45	181.25	HQ3	FALSE
SUN007	98.00	98.75	0.75	0.52	69.33	HQ3	FALSE
SUN007	98.75	100.20	1.45	0.00	0.00	HQ3	FALSE
SUN007	100.20	100.50	0.30	0.12	40.00	HQ3	FALSE
SUN007	100.50	101.00	0.50	0.34	68.00	HQ3	FALSE
SUN007	101.00	101.65	0.65	0.70	107.69	HQ3	FALSE
SUN007	101.65	102.40	0.75	0.70	93.33	HQ3	FALSE
SUN007	102.40	102.90	0.50	0.45	90.00	HQ3	FALSE
SUN007	102.90	103.60	0.70	0.72	102.86	HQ3	FALSE
SUN007	103.60	104.00	0.40	0.30	75.00	HQ3	FALSE
SUN008	0.00	1.30	0.63	-0.67	48.46	HQ3	FALSE
SUN008	1.30	2.10	0.51	-0.29	63.75	HQ3	FALSE
SUN008	2.10	2.90	0.30	-0.50	37.50	HQ3	FALSE
SUN008	2.90	3.60	0.89	0.19	127.14	HQ3	FALSE
SUN008	3.60	4.40	0.00	-0.80	0.00	HQ3	FALSE
SUN008	4.40	5.00	0.76	0.16	126.67	HQ3	FALSE
SUN008	5.00	5.90	1.20	0.30	133.33	HQ3	FALSE
SUN008	5.90	7.50	0.78	-0.82	48.75	HQ3	FALSE
SUN008	7.50	8.20	0.95	0.25	135.71	HQ3	FALSE
SUN008	8.20	9.15	1.35	0.40	142.11	HQ3	FALSE
SUN008	9.15	10.50	1.30	-0.05	96.30	HQ3	FALSE
SUN008	10.50	11.80	1.75	0.45	134.62	HQ3	FALSE
SUN008	11.80	13.15	1.40	0.05	103.70	HQ3	FALSE
SUN008	13.15	14.50	1.30	-0.05	96.30	HQ3	FALSE
SUN008	14.50	15.60	0.60	-0.50	54.55	HQ3	FALSE
SUN008	15.60	16.50	0.80	-0.10	88.89	HQ3	FALSE
SUN008	16.50	16.80	1.10	0.80	366.67	HQ3	FALSE
SUN008	16.80	17.90	1.60	0.50	145.45	HQ3	FALSE
SUN008	17.90	19.00	0.70	-0.40	63.64	HQ3	FALSE
SUN008	19.00	20.10	0.50	-0.60	45.45	HQ3	FALSE
SUN008	20.10	20.60	1.00	0.50	200.00	HQ3	FALSE

SUN008	20.60	21.50	0.20	-0.70	22.22	HQ3	FALSE
SUN008	21.50	22.50	0.40	-0.60	40.00	HQ3	FALSE
SUN008	22.50	22.90	0.55	0.15	137.50	HQ3	FALSE
SUN008	22.90	23.80	0.55	-0.35	61.11	HQ3	FALSE
SUN008	23.80	24.75	0.10	-0.85	10.53	HQ3	FALSE
SUN008	24.75	25.35	0.40	-0.20	66.67	HQ3	FALSE
SUN008	25.35	25.80	0.15	-0.30	33.33	HQ3	FALSE
SUN008	25.80	26.10	0.50	0.20	166.67	HQ3	FALSE
SUN008	26.10	26.80	0.30	-0.40	42.86	HQ3	FALSE
SUN008	26.80	27.50	0.38	-0.32	54.29	HQ3	FALSE
SUN008	27.50	28.10	0.38	-0.22	63.33	HQ3	FALSE
SUN008	28.10	28.50	0.70	0.30	175.00	HQ3	FALSE
SUN009	0.00	1.50	1.50	1.10	73.33	HQ3	FALSE
SUN009	1.50	2.50	1.00	0.00	0.00	HQ3	FALSE
SUN009	2.50	3.00	0.50	0.00	0.00	HQ3	FALSE
SUN009	3.00	4.15	1.15	0.35	30.43	HQ3	FALSE
SUN009	4.15	5.25	1.10	0.60	54.55	HQ3	FALSE
SUN009	5.25	6.40	1.15	0.45	39.13	HQ3	FALSE
SUN009	6.40	7.10	0.70	0.90	128.57	HQ3	FALSE
SUN009	7.10	8.05	0.95	0.90	94.74	HQ3	FALSE
SUN009	8.05	8.80	0.75	0.56	74.67	HQ3	FALSE
SUN009	8.80	9.30	0.50	0.35	70.00	HQ3	FALSE
SUN009	9.30	10.30	1.00	0.70	70.00	HQ3	FALSE
SUN009	10.30	11.35	1.05	0.50	47.62	HQ3	FALSE
SUN009	11.35	12.40	1.05	0.35	33.33	HQ3	FALSE
SUN009	12.40	13.00	0.60	0.90	150.00	HQ3	FALSE
SUN009	13.00	13.50	0.50	0.35	70.00	HQ3	FALSE
SUN009	13.50	14.10	0.60	0.60	100.00	HQ3	FALSE
SUN009	14.10	14.50	0.40	0.40	100.00	HQ3	FALSE
SUN009	14.50	15.30	0.80	0.80	100.00	HQ3	FALSE
SUN009	15.30	16.40	1.10	1.15	104.55	HQ3	FALSE
SUN009	16.40	17.05	0.65	0.70	107.69	HQ3	FALSE
SUN009	17.05	17.95	0.90	0.45	50.00	HQ3	FALSE
SUN009	17.95	18.70	0.75	0.35	46.67	HQ3	FALSE
SUN009	18.70	19.30	0.60	0.20	33.33	HQ3	FALSE
SUN009	19.30	19.90	0.60	0.40	66.67	HQ3	FALSE
SUN009	19.90	20.95	1.05	1.30	123.81	HQ3	FALSE
SUN009	20.95	21.90	0.95	1.15	121.05	HQ3	FALSE
SUN009	21.90	23.05	1.15	0.20	17.39	HQ3	FALSE
SUN009	23.05	23.50	0.45	0.45	100.00	HQ3	FALSE
SUN009	23.50	24.20	0.70	0.75	107.14	HQ3	FALSE
SUN009	24.20	25.30	1.10	0.40	36.36	HQ3	FALSE
SUN009	25.30	26.10	0.80	0.50	62.50	HQ3	FALSE
SUN009	26.10	26.95	0.85	0.60	70.59	HQ3	FALSE
SUN009	26.95	27.80	0.85	0.45	52.94	HQ3	FALSE
SUN009	27.80	28.40	0.60	0.85	141.67	HQ3	FALSE

SUN009	28.40	28.50	0.10	0.10	100.00	HQ3	FALSE
SUN009	28.50	29.00	0.50	0.70	140.00	HQ3	FALSE
SUN022	0.00	3.00	3.00	0.00	0.00	NTW	FALSE
SUN022	3.00	6.00	3.00	0.00	0.00	NTW	FALSE
SUN022	6.00	9.00	3.00	0.00	0.00	NTW	FALSE
SUN022	9.00	12.00	3.00	0.00	0.00	NTW	FALSE

10.1.4 Down Hole Survey

Hole_ID	Depth	DHSurvey_Method	Dip	Orig_Grid_ID	Orig_Azimuth
DD92S1	0		-50		61
DD92S2	0		-45		61
DD92S3	0		-45		213
S004	0		-90		0
S005	0		-90		0
S006	0		-90		0
S007	0		-90		0
S008	0		-90		0
S009	0		-90		0
S010	0		-90		0
S011	0		-90		0
S012	0		-90		0
S013	0		-90		0
S014	0		-90		0
S015	0		-90		0
S016	0		-90		0
S017	0		-90		0
S018	0		-90		0
S019	0		-90		0
S020	0		-90		0
S021	0		-90		0
S022	0		-90		0
S023	0		-90		0
S024	0		-90		0
S025	0		-90		0
S026	0		-90		0
S027	0		-90		0
S028	0		-90		0
S029	0		-90		0
S030	0		-90		0
S031	0		-50		200
S033	0		-50		192
S034	0		-50		191
SDD001	0	COLL	-70	GDA94_55	45
SDD001	70	EASTMAN	-70	GDA94_55	52
SDD001	110	EASTMAN	-70	GDA94_55	52.1
SDD001	160	EASTMAN	-69	GDA94_55	52.1
SDD001	210	EASTMAN	-69	GDA94_55	56
SDD001	260	EASTMAN	-69	GDA94_55	58
SDD001	330	EASTMAN	-69	GDA94_55	51
SDD001	380	EASTMAN	-68	GDA94_55	65
SDD001	430	EASTMAN	-68	GDA94_55	68

SDD001	480	EASTMAN	-68	GDA94_55	67
SDD001	550	EASTMAN	-68	GDA94_55	67
SDD001	600	EASTMAN	-69	GDA94_55	74
SDD002	0	COLL	-60	GDA94_55	45
SDD002	100	EASTMAN	-61	GDA94_55	43
SDD002	150	EASTMAN	-61	GDA94_55	46
SDD002	210	EASTMAN	-61	GDA94_55	44
SDD002	260	EASTMAN	-61	GDA94_55	46
SDD002	310	EASTMAN	-61	GDA94_55	48
SDD002	360	EASTMAN	-60	GDA94_55	48
SDD002	420	EASTMAN	-60	GDA94_55	52
STH001	0		-90		0
STH002	0		-50		52
STH002	219		-47		49
SUN001	0	COLL	-70	GDA94_55	134
SUN002	0	COLL	-45	GDA94_55	134
SUN002	53	EASTMAN	-46	GDA94_55	139
SUN003	0	COLL	-60	GDA94_55	193
SUN005	0	COLL	-45	GDA94_55	130
SUN005	20	EASTMAN	-50	GDA94_55	130
SUN007	0	COLL	-50	GDA94_55	293
SUN007	30	EASTMAN	-51	GDA94_55	287
SUN007	60	EASTMAN	-51	GDA94_55	289
SUN007	90	EASTMAN	-51	GDA94_55	289
SUN008	0	COLL	-45	GDA94_55	124.3
SUN008	20	EASTMAN	-44	GDA94_55	132
SUN009	0	COLL	-45	GDA94_55	130
SUN010	0	COLL	-90	GDA94_55	0
SUN011	0	COLL	-53	GDA94_55	127
SUN011	75	EASTMAN	-52	GDA94_55	131
SUN012	0	COLL	-70	GDA94_55	132
SUN013	0	COLL	-90	GDA94_55	0
SUN014	0	COLL	-64	GDA94_55	131.8
SUN015	0	COLL	-90	GDA94_55	0
SUN016	0	COLL	-42	GDA94_55	159.7
SUN017	0	COLL	-90	GDA94_55	0
SUN018	0	COLL	-67	GDA94_55	139.9
SUN019	0	COLL	-50	GDA94_55	131
SUN020	0	COLL	-49	GDA94_55	126.9
SUN021	0	COLL	-48	GDA94_55	130
SUN022	0	COLL	-50	GDA94_55	126.4
SUN026	0	COLL	-60	GDA94_55	127.3
SUN027	0	COLL	-90	GDA94_55	0
SUN028	0	COLL	-60	GDA94_55	142.7
SWAN001	0	COLL	-60	GDA94_55	257
SWAN002	0	COLL	-60	GDA94_55	257

SWAN003	0	COLL	-60	GDA94_55	257
SWAN004	0	COLL	-60	GDA94_55	257
SWAN005	0	COLL	-60	GDA94_55	257
SWAN005B					
SWAN006	0	COLL	-60	GDA94_55	257
SWAN007	0	COLL	-60	GDA94_55	257
SWAN008	0	COLL	-60	GDA94_55	257
SWAN010	0	COLL	-60	GDA94_55	257
TH012	0		-55		199
TH013	0		-46		21
TH014	0		-55		202
TH015	0		-60		201

10.1.5 Duplicate samples

SampleID	Hole_ID	mFrom	mTo	QC_Category	Au_ppm	Ag_ppm	Pb_pct	Zn_pct
SUN10-023DUP	SUN010	22	23	Duplicate 1		-1	0.02	0.04
SUN10-046DUP	SUN010	45	46	Duplicate 1		-1	0.01	-0.01
SUN13-035DUP	SUN013	34	35	Duplicate 1		5	0.3	3.27
SUN15-016DUP	SUN015	15	16	Duplicate 1		26	1.74	2.77
SUN15-039DUP	SUN015	38	39	Duplicate 1		7	0.34	0.18
SUN17-020DUP	SUN017	19	20	Duplicate 1		1	0.05	0.02
SUN19-005DUP	SUN019	4	5	Duplicate 1		3	0.28	0.03
SUN19-028DUP	SUN019	27	28	Duplicate 1		6	0.16	0.08
SUN26-019DUP	SUN026	18	19	Duplicate 1		-1	0.01	0.03
SUN26-042DUP	SUN026	41	42	Duplicate 1		-1	0.04	0.29
SUN27-004DUP	SUN027	3	4	Duplicate 1		-1	0.02	0.26
SUN27-027DUP	SUN027	26	27	Duplicate 1		451	12.2	14.4
SUN1-002DUP	SUN001	4.4	6	Duplicate 1		4	0.06	0.6
SUN5-003DUP	SUN003	30	31	Duplicate 1	-0.01			
SUN5-019DUP	SUN005	46	47	Duplicate 1		58	3.15	3.06
SUN7-005DUP	SUN007	5	6	Duplicate 1	-0.01			
SUN9-004DUP	SUN009	7	8	Duplicate 1		2	0.06	0.16
SUN9-007DUP	SUN009	10	11	Duplicate 1	-0.01			
SUN8-012DUP	SUN008	21	21.5	Duplicate 1		6	0.43	0.25
SUN2-001DUP	SUN002	0	3.45	Duplicate 1	-0.01			
SUN3-007DUP	SUN003	6	7	Duplicate 1	-0.01	3	0.07	0.08
SDD001-273DUP	SDD001	475.38	476.3	Duplicate 1			0.0002	0.0096
SDD001-250DUP	SDD001	446.6	447.6	Duplicate 1			0.001	0.0128
SDD001-227DUP	SDD001	424.81	425.8	Duplicate 1			-1E-04	0.0099
SDD001-204DUP	SDD001	402.99	403.9	Duplicate 1			0.0246	0.0284

SDD001-158DUP	SDD001	343.51	344.5	Duplicate 1			-1E-04	0.0088
SDD001-142DUP	SDD001	306.6	307.6	Duplicate 1			0.0101	0.0101
SDD001-23DUP	SDD001	179.87	181.1	Duplicate 1		-1	0.0009	0.0147
SDD001-92DUP	SDD001	531.63	532.5	Duplicate 1		1	0.0009	0.0086
SDD001-112DUP	SDD001	567.46	568.5	Duplicate 1		-1	0.0022	0.0294
SUN18-006DUP	SUN018	41	42	Duplicate 1		163	11.5	1.86
318601DUP	SDD002	111	112	Duplicate 1	-0.01			
318622DUP	SDD002	202	203	Duplicate 1	0.02			
318625DUP	SDD002	222	223	Duplicate 1		6	0.0405	0.0368
318601DUP	SDD002	111	112	Duplicate 1				
318622DUP	SDD002	202	203	Duplicate 1				
318625DUP	SDD002	222	223	Duplicate 1				
318638DUP	SDD002	25.7	26.5	Duplicate 1	-0.01			
318648DUP	SDD002	34.5	35.7	Duplicate 1			0.0027	0.016
318670DUP	SDD002	58.2	60	Duplicate 1	-0.01			
318671DUP	SDD002	60	61	Duplicate 1			0.002	0.0145
318691DUP	SDD002	132	133	Duplicate 1	-0.01			
318700DUP	SDD002	141	141.6	Duplicate 1			0.0284	0.0119
SUN3-021DUP	SUN003	17.2	17.5	Lab Check			6.21	
SUN5-007DUP	SUN005	34	35	Lab Check			7.15	
SUN5-008DUP	SUN005	35	36	Lab Check			8.33	
SUN5-011DUP	SUN005	38	39	Lab Check			7.34	
SUN5-013DUP	SUN005	40	41	Lab Check			6.85	
SUN5-014DUP	SUN005	41	42	Lab Check			7.92	
SUN19-015DUP	SUN019	14	15	Lab Check			7.1	
SUN19-018DUP	SUN019	17	18	Lab Check			6.94	
SUN27-016DUP	SUN027	15	16	Lab Check			18	
SUN27-017DUP	SUN027	16	17	Lab Check			6.86	
SUN27-018DUP	SUN027	17	18	Lab Check			11	

10.1.6 Reference Material

SampleID	QC_Category	StandardID	Comments
SUN10-061REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN13-042REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN15-042REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN17-038REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN19-032REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN26-061REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN27-027REF	REF	GBM997-6	Incorrect analytical method used for the level of lead in sample samples affected re-assayed for lead and shown to be OK
SUN12REF1	REF	GBM997-6	
SUN18REF2	REF	GBM997-6	
SDD001REF1	REF	GBM902-5	
SDD001REF2	REF	GBM902-5	
SDD001REF3	REF	GBM902-5	
SDD001REF4	REF	GBM902-5	

SDD001REF5	REF	GBM902-5
SDD001REF6	REF	GBM902-5
SDD001REF7	REF	GBM902-5
SDD001REF8	REF	GBM902-5
SDD001REF9	REF	GBM902-5

10.1.7 Reference Values

StandardID	Element	Method	Units	ExpectedValue	ExpectedStDev	N
GBM997-6	Nickel	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	9	1.3	70
GBM997-6	Copper	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	3818	248	121
GBM997-6	Zinc	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	161944	10527	103
GBM997-6	Lead	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	249095	13253	84
GBM997-6	Silver	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	462.7	27.7	94
GBM997-6	Arsenic	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	5091	422	90
GBM995-8	Nickel	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	60	13	41
GBM995-8	Copper	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	264	23	53
GBM995-8	Zinc	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	124308	8386	46
GBM995-8	Lead	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	25919	1914	42
GBM995-8	Arsenic	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	53	17	39

GBM995-8	Silver	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	52	4.6	46
GBM902-5	Nickel	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	28	6	43
GBM902-5	Copper	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	26295	1036	66
GBM902-5	Zinc	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	16584	787	65
GBM902-5	Lead	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	33190	832	52
GBM902-5	Arsenic	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	66	7	39
GBM902-5	Cobalt	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	79	10	52
GBM902-5	Silver	GENERALLY 4 ACID DIGEST WITH AAS OR ICP FINISH - INCLUDES SOME XRF VALUES	ppm	15.7	1.7	57

10.1.8 SDD001 Results

Hole No	Sample No	From	To	Width (m)	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe ppm	Co ppm	Ni ppm	Cr ppm	MgO %	As ppm	Co ppm
SDD001	SDD001-1	135.90	136.66	0.76	20	12	69	1	5.93	34	92	82	1.85		
SDD001	SDD001-2	136.66	137.63	0.97	11	10	65	-1	5.51	43	97	73	2.04		
SDD001	SDD001-3	137.63	138.58	0.95	16	9	74	-1	5.59	36	96	64	2.44		
SDD001	SDD001-4	138.58	139.53	0.95	9	9	61	-1	5.57	32	103	67	1.92		
SDD001	SDD001-5	139.53	140.50	0.97	8	11	64	-1	5.58	37	124	108	1.97		
SDD001	SDD001-6	140.50	141.50	1	22	18	82	4	5.85	44	136	101	2.42		
SDD001	SDD001-7	141.50	142.47	0.97	9	12	43	-1	4.19	19	45	70	0.94		
SDD001	SDD001-8	142.47	143.47	1	8	8	70	-1	5.02	27	80	72	1.62		
SDD001	SDD001-9	145.00	145.67	0.67	15	105	251	3	8.33	68	111	34	2.32		
SDD001	SDD001-10	145.67	146.67	1	15	263	185	-1	8.65	64	122	349	3.31		
SDD001	SDD001-11	146.67	147.63	0.96	7	-1	141	2	9.98	56	97	118	2.55		
SDD001	SDD001-12	147.63	148.26	0.63	6	3	133	-1	11.2	64	65	15	2.19		
SDD001	SDD001-13	168.70	169.70	1	225	36	311	-1	10.6	51	49	24	3.16		
SDD001	SDD001-14	169.70	170.66	0.96	194	13	213	-1	10.7	60	56	34	2.56		
SDD001	SDD001-15	170.66	171.62	0.96	278	29	228	-1	10.9	60	60	27	2.59		
SDD001	SDD001-16	171.62	171.80	0.18	202	34	271	-1	11.3	60	65	18	2.54		
SDD001	SDD001-17	174.90	175.35	0.45	312	26	125	-1	11.2	55	44	23	1.93		
SDD001	SDD001-18	175.35	176.27	0.92	161	15	128	-1	10.8	48	38	12	1.98		
SDD001	SDD001-19	176.27	177.23	0.96	153	5	142	-1	11.5	55	42	25	2.02		
SDD001	SDD001-20	177.23	178.00	0.77	185	9	137	-1	10.5	56	36	15	2.06		
SDD001	SDD001-21	178.00	178.87	0.87	180	16	149	-1	10.2	53	34	22	1.99		
SDD001	SDD001-22	178.87	179.87	1	169	14	112	-1	10.4	49	36	13	1.82		
SDD001	SDD001-23	179.87	181.11	1.24	151	11	144	1	10.6	65	38	21	1.95		
SDD001	SDD001-24	183.35	184.68	1.33	223	9	210	-1	10.3	65	40	10	2.15		
SDD001	SDD001-25	184.68	185.65	0.97	52	50	340	-1	10.8	55	75	26	4.08		
SDD001	SDD001-26	185.65	186.61	0.96	78	13	255	-1	10.3	50	59	26	2.66		
SDD001	SDD001-27	198.60	199.57	0.97	63	1	188	-1	10.1	59	59	41	2.60		

SDD001	SDD001-28	199.57	200.55	0.98	13	6	256	-1	10.9	60	66	27	2.49	
SDD001	SDD001-29	200.55	201.47	0.92	313	5	211	-1	10.9	57	50	21	2.85	
SDD001	SDD001-30	201.47	202.44	0.97	57	2	230	-1	10.8	69	53	13	2.21	
SDD001	SDD001-31	202.44	203.41	0.97	104	4	150	-1	9.04	65	59	13	2.26	
SDD001	SDD001-32	203.41	204.39	0.98	185	4	197	1	10.2	83	120	16	2.51	
SDD001	SDD001-33	204.39	205.29	0.9	144	5	166	-1	10.2	64	44	16	1.87	
SDD001	SDD001-127	228.84	229.16	0.32	14	14	235	2			70			-1 51
SDD001	SDD001-128	229.16	230.08	0.92	37	7	208	2			72			7 54
SDD001	SDD001-129	230.08	230.99	0.91	40	3	199	2			63			1 59
SDD001	SDD001-130	230.99	231.89	0.9	260	5	158	2			67			-1 60
SDD001	SDD001-131	231.89	232.82	0.93	348	22	221	2			78			61 54
SDD001	SDD001-132	232.82	233.79	0.97	67	27	232	2			72			60 51
SDD001	SDD001-133	254.12	255.06	0.94	11	12	236	2			61			-1 39
SDD001	SDD001-134	255.06	255.97	0.91	12	26	274	2			53			-1 42
SDD001	SDD001-135	255.97	256.96	0.99	14	27	315	2			54			5 44
SDD001	SDD001-136	256.96	257.94	0.98	210	66	370	2			50			14 33
SDD001	SDD001-137	257.94	259.00	1.06	71	54	390	3			54			54 50
SDD001	SDD001-34	262.80	263.75	0.95	44	4	178	-1	10.6	60	88	44	2.22	
SDD001	SDD001-35	263.75	264.68	0.93	14	4	171	-1	10.3	60	72	26	2.22	
SDD001	SDD001-36	264.68	265.55	0.87	149	1	132	1	9.40	50	53	11	2.11	
SDD001	SDD001-37	265.55	266.46	0.91	410	-1	167	-1	11.6	63	59	18	2.61	
SDD001	SDD001-38	266.46	267.44	0.98	32	-1	162	-1	9.70	52	51	27	2.27	
SDD001	SDD001-39	267.44	268.20	0.76	28	2	160	-1	9.55	59	61	39	2.31	
SDD001	SDD001-40	274.00	275.28	1.28	96	10	207	-1	10.1	60	57	39	2.61	
SDD001	SDD001-41	275.28	276.56	1.28	27	14	192	-1	9.73	50	43	17	2.15	

SDD001	SDD001-42	276.56	283.04	6.48	17	1	229	-1	9.99	68	100	27	2.12		
SDD001	SDD001-43	283.04	284.00	0.96	1537	3	228	-1	10.5	84	140	11	2.38		
SDD001	SDD001-44	284.00	284.94	0.94	241	8	232	-1	10.5	72	169	11	3.68		
SDD001	SDD001-45	284.94	285.61	0.67	57	1	125	-1	7.60	55	88	45	2.04		
SDD001	SDD001-138	297.68	298.07	0.39	264	3	107	3			56			27	54
SDD001	SDD001-139	298.07	299.03	0.96	135	3	154	3			71			22	72
SDD001	SDD001-46	299.50	300.90	1.4	97	2	281	-1	11.3	68	76	28	2.52		
SDD001	SDD001-140	299.63	299.92	0.29	58	1	156	3			57			40	51
SDD001	SDD001-47	300.90	302.30	1.4	131	24	199	-1	9.38	56	55	22	2.28		
SDD001	SDD001-48	302.30	303.23	0.93	168	10	121	-1	8.40	55	49	34	1.89		
SDD001	SDD001-141	305.90	306.60	0.70	225	7	100	4			55			273	34
SDD001	SDD001-142	306.60	307.56	0.96	119	-1	95	2			53			30	33
SDD001	SDD001-143	307.56	308.50	0.94	10	-1	89	2			59			56	53
SDD001	SDD001-49	313.27	314.23	0.96	153	15	165	4	10.1	60	71	17	3.79		
SDD001	SDD001-50	314.23	315.19	0.96	437	13	94	4	9.36	71	70	2	3.43		
SDD001	SDD001-51	315.19	316.14	0.95	137	8	148	2	9.91	54	84	10	2.29		
SDD001	SDD001-52	316.14	317.02	0.88	162	3	181	2	11.1	63	94	19	2.46		
SDD001	SDD001-53	317.02	317.96	0.94	852	6	148	3	10.6	66	96	-1	3.31		
SDD001	SDD001-54	317.96	319.14	1.18	68	1	113	2	9.07	42	64	25	2.73		
SDD001	SDD001-144	320.70	321.64	0.94	296	-1	97	2			53			77	54
SDD001	SDD001-145	321.64	322.55	0.91	46	-1	70	2			58			182	55
SDD001	SDD001-146	322.55	323.53	0.98	24	-1	81	2			54			85	57
SDD001	SDD001-55	323.36	324.25	0.89	23	6	36	2	8.99	48	70	13	1.82		
SDD001	SDD001-147	323.53	324.50	0.97	21	4	110	2			54			265	53
SDD001	SDD001-56	324.25	325.18	0.93	29	14	42	1	7.48	53	63	8	1.77		

SDD001	SDD001-148	324.50	325.41	0.91	22	-1	102	2			53			195	53
SDD001	SDD001-57	325.18	326.10	0.92	40	1	38	2	10.3	53	64	27	1.82		
SDD001	SDD001-58	326.10	326.97	0.87	256	-1	561	3	13.0	69	80	18	1.99		
SDD001	SDD001-59	326.97	327.92	0.95	881	-1	45	2	12.8	65	60	7	1.72		
SDD001	SDD001-60	327.92	328.81	0.89	182	2	68	3	9.27	60	55	16	2.52		
SDD001	SDD001-149	328.22	329.26	1.04	82	-1	89	1			53			132	49
SDD001	SDD001-61	328.81	329.76	0.95	114	-1	44	2	9.44	53	53	13	2.60		
SDD001	SDD001-150	329.26	330.16	0.90	27	1	138	2			56			159	54
SDD001	SDD001-62	329.76	330.28	0.52	50	1	24	-1	8.52	50	42	8	2.63		
SDD001	SDD001-151	330.16	331.11	0.95	340	-1	118	2			56			98	54
SDD001	SDD001-152	333.92	334.71	0.79	74	-1	156	2			35			233	60
SDD001	SDD001-153	334.85	335.79	0.94	769	-1	144	2			43			141	80
SDD001	SDD001-154	335.79	336.75	0.96	131	-1	98	2			43			248	48
SDD001	SDD001-155	336.75	337.70	0.95	299	3	123	4			55			463	73
SDD001	SDD001-156	337.70	338.09	0.39	34	-1	126	2			42			158	57
SDD001	SDD001-157	342.57	343.51	0.94	336	-1	103	2			37			92	48
SDD001	SDD001-158	343.51	344.51	1.00	94	-1	82	2			45			123	50
SDD001	SDD001-159	344.51	345.46	0.95	75	-1	63	2			54			-10	52
SDD001	SDD001-160	345.46	346.41	0.95	1083	-1	75	2			53			53	45
SDD001	SDD001-161	346.41	347.33	0.92	193	-1	70	2			48			28	46
SDD001	SDD001-162	347.33	348.30	0.97	55	-1	71	2			43			73	39
SDD001	SDD001-163	348.30	349.19	0.89	29	-1	86	2			58			105	53

SDD001	SDD001-164	349.19	350.19	1.00	41	-1	69	2			54			153	53
SDD001	SDD001-165	350.19	351.18	0.99	4323	-1	70	2			47			64	42
SDD001	SDD001-166	351.18	352.09	0.91	1852	-1	52	2			50			168	46
SDD001	SDD001-167	352.09	353.03	0.94	1189	-1	84	3			71			103	59
SDD001	SDD001-168	353.03	354.00	0.97	331	-1	93	1			72			87	52
SDD001	SDD001-63	362.75	363.70	0.95	267	3	88	2	10.3	59	94	17	3.70		
SDD001	SDD001-64	363.70	364.65	0.95	70	-1	78	1	10.7	62	77	13	2.39		
SDD001	SDD001-65	364.65	365.61	0.96	81	-1	75	1	10.5	58	69	1	3.56		
SDD001	SDD001-169	365.22	366.20	0.98	195	-1	97	2			62			117	61
SDD001	SDD001-66	365.61	366.56	0.95	73	1	81	-1	10.3	60	77	24	4.17		
SDD001	SDD001-170	366.20	367.20	1.00	231	-1	97	2			57			107	53
SDD001	SDD001-67	366.56	367.49	0.93	26	-1	49	4	7.96	50	55	31	2.77		
SDD001	SDD001-171	367.20	368.11	0.91	107	-1	89	2			73			155	59
SDD001	SDD001-68	367.49	368.42	0.93	10500	6	80	-1	10.0	49	58	23	4.39		
SDD001	SDD001-172	368.11	369.06	0.95	57	-1	87	2			74			122	70
SDD001	SDD001-69	368.42	369.36	0.94	74	2	52	-1	6.98	48	57	5	2.15		
SDD001	SDD001-70	369.36	370.31	0.95	81	-1	81	-1	11.2	59	66	13	2.41		
SDD001	SDD001-71	370.31	371.28	0.97	10	4	63	-1	10.9	62	56	5	2.81		
SDD001	SDD001-72	371.28	372.25	0.97	23	-1	61	-1	9.10	60	66	2	2.09		
SDD001	SDD001-73	372.25	373.18	0.93	1086	1	69	-1	10.4	69	77	12	2.45		
SDD001	SDD001-173	373.18	374.13	0.95	35	-1	94	2			50			112	52
SDD001	SDD001-74	373.18	374.14	0.96	54	-1	58	-1	9.90	69	80	7	2.18		
SDD001	SDD001-174	374.13	375.08	0.95	31	-1	80	2			59			146	49
SDD001	SDD001-175	375.08	376.06	0.98	63	16	901	3			76			122	63

SDD001	SDD001-176	376.06	376.95	0.89	15	-1	109	2			93			55	71
SDD001	SDD001-75	376.76	377.72	0.96	42	3	70	-1	11.8	53	101	6	2.88		
SDD001	SDD001-177	376.95	377.92	0.97	15	-1	85	3			63			89	50
SDD001	SDD001-76	377.72	378.68	0.96	15	-1	70	2	11.7	70	100	12	2.51		
SDD001	SDD001-178	377.92	378.86	0.94	23	8	126	2			47			72	39
SDD001	SDD001-77	378.68	379.64	0.96	17	2	82	2	11.2	67	88	15	2.68		
SDD001	SDD001-179	378.86	379.86	1.00	159	12	130	2			63			59	44
SDD001	SDD001-78	379.64	380.62	0.98	15	371	364	-1	10.0	66	78	26	2.40		
SDD001	SDD001-180	379.86	380.86	1.00	131	-1	65	2			83			41	39
SDD001	SDD001-79	380.62	381.57	0.95	108	5	83	2	9.88	50	83	29	3.34		
SDD001	SDD001-181	380.86	381.79	0.93	682	-1	91	2			91			62	57
SDD001	SDD001-80	381.57	382.55	0.98	168	-1	94	1	12.0	63	93	35	2.70		
SDD001	SDD001-182	381.79	382.74	0.95	613	13	127	3			80			143	57
SDD001	SDD001-81	382.55	383.53	0.98	56	3	94	1	10.3	59	62	25	2.46		
SDD001	SDD001-183	382.74	383.69	0.95	16	-1	116	2			79			75	61
SDD001	SDD001-82	383.53	384.51	0.98	2268	4	79	-1	9.83	62	68	13	2.64		
SDD001	SDD001-184	383.69	384.65	0.96	21	-1	96	2			73			29	55
SDD001	SDD001-185	384.65	385.60	0.95	7	-1	81	2			64			128	40
SDD001	SDD001-186	385.60	386.55	0.95	8	-1	84	2			78			42	48
SDD001	SDD001-187	386.55	387.54	0.99	9	-1	102	2			96			225	64
SDD001	SDD001-188	387.54	388.47	0.93	8	-1	92	2			81			97	53
SDD001	SDD001-189	388.47	389.47	1.00	8	-1	107	2			75			63	45
SDD001	SDD001-190	389.47	390.45	0.98	40	60	1007	3			88			99	52

SDD001	SDD001-191	390.45	391.41	0.96	7	-1	86	2	59	202	33
SDD001	SDD001-192	391.41	392.36	0.95	12	-1	106	2	80	154	61
SDD001	SDD001-193	392.36	393.33	0.97	11	4	111	2	69	162	57
SDD001	SDD001-194	393.33	394.31	0.98	8	-1	67	2	49	153	35
SDD001	SDD001-195	394.31	395.25	0.94	20	13	79	2	57	90	33
SDD001	SDD001-196	395.25	396.23	0.98	76	26	150	2	53	31	36
SDD001	SDD001-197	396.23	397.18	0.95	246	62	131	4	80	118	90
SDD001	SDD001-198	397.18	398.15	0.97	107	80	351	3	74	145	77
SDD001	SDD001-199	398.15	399.11	0.96	120	113	649	3	65	64	50
SDD001	SDD001-200	399.11	400.06	0.95	24	12	107	2	48	149	37
SDD001	SDD001-201	400.06	401.05	0.99	6	-1	84	2	39	68	37
SDD001	SDD001-202	401.05	402.02	0.97	8	3	114	2	52	141	47
SDD001	SDD001-203	402.02	402.99	0.97	6	3	93	2	46	124	38
SDD001	SDD001-204	402.99	403.90	0.91	14	239	278	1	45	154	39
SDD001	SDD001-205	403.90	404.87	0.97	7	7	91	1	46	122	39
SDD001	SDD001-206	404.87	405.84	0.97	5	5	90	1	36	34	32
SDD001	SDD001-207	405.84	406.74	0.90	6	-1	96	1	52	187	44
SDD001	SDD001-208	406.74	407.73	0.99	8	-1	99	1	59	164	45
SDD001	SDD001-209	407.73	408.68	0.95	11	3	130	2	61	154	51
SDD001	SDD001-210	408.68	409.59	0.91	7	1	115	2	67	78	54

SDD001	SDD001-211	409.59	410.56	0.97	7	12	119	2	69	172	59
SDD001	SDD001-212	410.56	411.54	0.98	7	11	118	2	63	148	57
SDD001	SDD001-213	411.54	412.47	0.93	8	18	149	2	74	137	57
SDD001	SDD001-214	412.47	413.39	0.92	17	55	167	2	69	136	49
SDD001	SDD001-215	413.39	414.33	0.94	16	15	105	2	56	60	40
SDD001	SDD001-216	414.33	415.32	0.99	12	11	119	2	53	83	41
SDD001	SDD001-217	415.32	416.29	0.97	35	12	132	2	68	123	46
SDD001	SDD001-218	416.29	417.26	0.97	48	8	100	2	56	126	37
SDD001	SDD001-219	417.26	418.20	0.94	76	5	126	2	48	277	42
SDD001	SDD001-220	418.20	419.20	1.00	113	4	93	2	61	108	42
SDD001	SDD001-221	419.20	420.20	1.00	23	-1	101	1	62	50	50
SDD001	SDD001-222	420.20	421.12	0.92	9	5	107	1	55	28	45
SDD001	SDD001-223	421.12	421.98	0.86	83	-1	116	2	66	19	570
SDD001	SDD001-224	421.98	422.96	0.98	71	-1	113	1	71	122	51
SDD001	SDD001-225	422.96	423.85	0.89	187	4	126	1	70	241	55
SDD001	SDD001-226	423.85	424.81	0.96	329	-1	135	2	72	201	57
SDD001	SDD001-227	424.81	425.81	1.00	39	-1	96	1	62	55	46
SDD001	SDD001-228	425.81	426.75	0.94	15	6	111	1	66	120	47
SDD001	SDD001-229	426.75	427.65	0.90	2	31	175	1	72	79	49
SDD001	SDD001-230	427.65	428.63	0.98	9	1	109	1	61	170	44

SDD001	SDD001-231	428.63	429.61	0.98	8	-1	91	1	55	134	37
SDD001	SDD001-232	429.61	430.51	0.90	122	4	96	1	66	139	49
SDD001	SDD001-233	430.51	431.49	0.98	292	12	113	2	69	109	51
SDD001	SDD001-234	431.49	432.46	0.97	97	15	103	1	67	154	48
SDD001	SDD001-235	432.46	433.40	0.94	46	37	151	2	70	137	55
SDD001	SDD001-236	433.40	434.38	0.98	16	15	167	2	67	113	53
SDD001	SDD001-237	434.38	435.33	0.95	21	9	136	2	66	44	49
SDD001	SDD001-238	435.33	436.28	0.95	6	9	100	1	52	49	43
SDD001	SDD001-239	436.28	437.16	0.88	9	-1	159	1	65	101	57
SDD001	SDD001-240	437.16	438.14	0.98	12	10	149	2	65	117	53
SDD001	SDD001-241	438.14	439.14	1.00	25	8	135	2	65	159	58
SDD001	SDD001-242	439.14	440.02	0.88	6	-1	123	1	68	116	51
SDD001	SDD001-243	440.02	440.98	0.96	7	5	126	1	72	154	53
SDD001	SDD001-244	440.98	441.93	0.95	8	1	125	1	65	29	48
SDD001	SDD001-245	441.93	442.87	0.94	13	8	115	1	69	49	48
SDD001	SDD001-246	442.87	443.83	0.96	16	6	122	2	71	87	50
SDD001	SDD001-247	443.83	444.78	0.95	341	13	156	2	80	176	54
SDD001	SDD001-248	444.78	445.70	0.92	51	17	160	1	80	50	56
SDD001	SDD001-249	445.70	446.60	0.90	7	10	131	1	68	191	48
SDD001	SDD001-250	446.60	447.55	0.95	14	1	127	1	69	120	47

SDD001	SDD001-251	447.55	448.55	1.00	17	-1	203	2	72	159	56
SDD001	SDD001-252	448.55	449.49	0.94	76	7	171	2	61	86	56
SDD001	SDD001-253	449.49	450.41	0.92	60	-1	169	2	68	39	50
SDD001	SDD001-254	450.41	451.33	0.92	211	5	176	2	72	85	54
SDD001	SDD001-255	451.33	452.27	0.94	47	1	171	1	59	67	50
SDD001	SDD001-256	452.27	453.20	0.93	40	-1	193	2	60	122	56
SDD001	SDD001-257	453.20	454.19	0.99	212	5	152	2	45	85	50
SDD001	SDD001-258	454.19	455.14	0.95	104	1	208	1	50	103	57
SDD001	SDD001-259	455.14	456.04	0.90	28	3	183	1	49	190	46
SDD001	SDD001-260	456.04	457.00	0.96	37	2	128	1	20	169	46
SDD001	SDD001-261	457.00	457.96	0.96	200	-1	216	2	30	190	52
SDD001	SDD001-262	457.96	458.95	0.99	123	-1	147	2	49	101	56
SDD001	SDD001-263	458.95	459.88	0.93	223	-1	160	1	64	142	55
SDD001	SDD001-264	459.88	460.84	0.96	142	-1	185	1	59	128	54
SDD001	SDD001-265	460.84	461.82	0.98	108	4	129	2	62	151	55
SDD001	SDD001-266	461.82	462.72	0.90	245	-1	93	2	45	139	55
SDD001	SDD001-267	462.72	463.69	0.97	59	-1	116	1	59	-10	56
SDD001	SDD001-268	463.69	464.64	0.95	64	3	106	1	64	171	55
SDD001	SDD001-269	471.51	472.49	0.98	104	1	123	1	58	193	54
SDD001	SDD001-270	472.49	473.47	0.98	98	-1	97	1	39	37	50

SDD001	SDD001-271	473.47	474.43	0.96	131	-1	115	1			48		83	53
SDD001	SDD001-272	474.43	475.38	0.95	10	-1	163	2			59		148	58
SDD001	SDD001-273	475.38	476.30	0.92	14	3	92	1			47		142	52
SDD001	SDD001-274	476.30	477.24	0.94	11	6	123	1			64		177	48
SDD001	SDD001-275	477.24	478.14	0.90	27	15	116	2			70		133	46
SDD001	SDD001-276	478.14	479.11	0.97	11	22	132	1			64		95	46
SDD001	SDD001-277	479.11	480.06	0.95	8	-1	116	1			67		109	45
SDD001	SDD001-278	480.06	481.00	0.94	9	4	134	1			70		59	47
SDD001	SDD001-83	523.00	523.94	0.94	263	1	43	-1	7.31	56	48	36	2.19	
SDD001	SDD001-84	523.94	524.91	0.97	100	-1	74	1	9.21	57	61	53	2.68	
SDD001	SDD001-85	524.91	525.89	0.98	297	2	71	1	8.67	60	63	18	2.28	
SDD001	SDD001-86	525.89	526.83	0.94	164	1	66	1	9.82	69	43	12	2.60	
SDD001	SDD001-87	526.83	527.80	0.97	178	10	94	2	9.88	61	50	22	2.75	
SDD001	SDD001-88	527.80	528.77	0.97	189	2	76	-1	8.58	56	46	44	2.33	
SDD001	SDD001-89	528.77	529.71	0.94	101	-1	74	1	7.61	56	55	58	2.50	
SDD001	SDD001-90	529.71	530.68	0.97	139	-1	61	4	8.45	55	52	34	2.60	
SDD001	SDD001-91	530.68	531.63	0.95	1119	12	86	2	9.74	64	62	37	2.79	
SDD001	SDD001-92	531.63	532.52	0.89	20	10	80	2	8.96	64	61	37	2.40	
SDD001	SDD001-93	532.52	533.49	0.97	31	26	189	-1	7.50	51	50	27	2.58	
SDD001	SDD001-94	533.49	534.42	0.93	15	11	173	-1	8.76	49	49	18	2.87	
SDD001	SDD001-95	537.48	538.44	0.96	16	16	190	-1	8.33	55	5	75	2.81	
SDD001	SDD001-96	538.44	539.44	1	15	1	191	-1	8.42	55	56	66	2.84	
SDD001	SDD001-97	539.44	540.44	1	17	-1	165	-1	7.94	45	54	71	2.68	
SDD001	SDD001-98	540.44	541.36	0.92	19	12	195	-1	8.57	47	54	54	3.51	
SDD001	SDD001-99	541.36	542.34	0.98	18	5	213	1	9.52	52	64	48	3.64	
SDD001	SDD001-100	542.34	543.27	0.93	10	-1	181	-1	9.34	53	67	68	2.88	

SDD001	SDD001-101	543.27	544.20	0.93	23	-1	125	-1	8.37	45	52	83	2.44			
SDD001	SDD001-102	544.20	545.17	0.97	315	-1	170	-1	9.09	62	56	73	2.94			
SDD001	SDD001-103	545.17	546.09	0.92	28	-1	127	-1	8.66	50	50	63	2.63			
SDD001	SDD001-104	546.09	547.08	0.99	1436	2	131	-1	7.78	51	50	60	2.38			
SDD001	SDD001-105	547.08	548.03	0.95	580	4	141	-1	8.96	58	48	63	2.78			
SDD001	SDD001-106	548.03	548.99	0.96	54	10	112	-1	7.90	44	48	76	2.33			
SDD001	SDD001-279	548.40	549.35	0.95	197	3	109	1			50			106	51	
SDD001	SDD001-280	549.35	550.26	0.91	203	3	112	1			52			120	52	
SDD001	SDD001-281	550.26	551.24	0.98	236	8	116	2			57			52	55	
SDD001	SDD001-282	553.84	554.78	0.94	233	-1	109	1			50			142	49	
SDD001	SDD001-283	554.78	555.90	1.12	255	3	148	2			54			197	58	
SDD001	SDD001-107	562.80	563.76	0.96	36	3	127	-1	8.75	56	62	73	3.30			
SDD001	SDD001-108	563.76	564.64	0.88	69	6	153	-1	9.11	61	65	59	3.63			
SDD001	SDD001-109	564.64	565.61	0.97	172	465	190	-1	8.91	45	52	42	3.77			
SDD001	SDD001-110	565.61	566.57	0.96	115	-1	150	-1	8.53	54	75	145	4.28			
SDD001	SDD001-111	566.57	567.46	0.89	132	-1	165	-1	8.69	58	97	243	4.88			
SDD001	SDD001-112	567.46	568.45	0.99	130	30	285	-1	9.91	58	42	40	4.07			
SDD001	SDD001-113	568.45	569.35	0.9	154	-1	164	-1	9.68	64	50	46	3.92			
SDD001	SDD001-114	569.35	570.33	0.98	107	7	224	1	9.82	55	71	135	4.14			
SDD001	SDD001-115	570.33	571.33	1	183	-1	144	-1	8.68	62	87	182	4.33			

SDD001	SDD001-116	571.33	572.25	0.92	151	4	161	-1	9.27	62	52	26	3.48		
SDD001	SDD001-117	572.25	573.21	0.96	115	3	171	-1	9.77	63	47	20	3.77		
SDD001	SDD001-118	573.21	574.15	0.94	122	11	205	-1	8.71	63	81	147	3.94		
SDD001	SDD001-119	574.15	575.14	0.99	69	134	349	-1	10.7	52	105	264	5.35		
SDD001	SDD001-120	575.14	576.09	0.95	90	17	314	-1	8.71	58	102	256	4.80		
SDD001	SDD001-121	576.09	576.96	0.87	125	35	135	-1	6.64	51	87	212	3.51		
SDD001	SDD001-122	576.96	577.90	0.94	123	460	892	-1	8.27	60	93	235	4.18		
SDD001	SDD001-123	577.90	578.86	0.96	87	40	264	2	8.70	65	107	245	4.53		
SDD001	SDD001-124	578.86	579.76	0.9	102	74	224	1	8.22	55	104	256	5.00		
SDD001	SDD001-125	579.76	580.72	0.96	101	10	89	2	6.58	48	85	216	4.28		
SDD001	SDD001-126	580.72	581.69	0.97	116	5	83	-1	6.21	49	78	203	4.21		
SDD001	SDD001-284	581.50	582.42	0.92	124	7	71	1			82			107	46
SDD001	SDD001-285	582.42	583.38	0.96	116	-1	86	2			91			151	52
SDD001	SDD001-286	583.38	584.35	0.97	113	-1	141	2			101			86	61
SDD001	SDD001-287	584.35	585.27	0.92	92	-1	139	2			102			-10	60
SDD001	SDD001-288	585.27	586.22	0.95	76	13	191	1			74			88	52
SDD001	SDD001-289	586.22	587.20	0.98	155	24	137	1			63			193	53
SDD001	SDD001-290	587.20	588.14	0.94	111	10	100	1			77			114	47
SDD001	SDD001-291	588.14	589.07	0.93	133	22	156	2			60			75	53
SDD001	SDD001-292	589.07	590.06	0.99	126	4	126	1			46			75	51

SDD001	SDD001-293	590.06	591.03	0.97	136	2	172	2	48	233	58
SDD001	SDD001-294	591.03	591.95	0.92	139	4	127	2	47	136	45
SDD001	SDD001-295	591.95	592.95	1.00	122	8	82	1	35	151	37

10.2 Appendix 2 – Separate Volume – Geology Logs

Sunshine Geology Logs
20M2001_20080604_SunshineDiamondGeologyLogs.pdf
Sunshine RC Geology Logs
20M2001_20080604_SunshineRCGeologyLogs.pdf
Stonehenge Nickel Diamond Geology Logs
EL172003_20080604_StonehengeNickelDiamondGeologyLogs.pdf
Swansea Diamond Geology Logs
EL172003_20080604_SwanseaDiamondGeologyLogs.pdf

10.3 Appendix 3 – Separate Volume -- Reports

Southern Geoscience, Notes on 3D inversion modelling
EL172003_20070830_MagneticModelsNotes.pdf
Outer-Rim Exploration Services Borehole PEM Survey
EL172003_20080208_BoreholePEMSurvey.pdf
Petrological Examination of Rock Samples from Swansea Mine area - Zeehan
EL172003_20080509_petrology.pdf

10.4 Appendix 4 – Digital Appendices

EL17/2003 Annual Report (this report)
EL172003_20080630_AnnualReport.pdf
Core Photos Sunshine
20M2001_2008_CorePhotos
Core Photos Swansea and SDD001 and SDD002
EL172003_2008_CorePhotos
Trigpoint Survey Topographic Survey
20M2001_20071115_SunshineTopoSurvey.dxf
Aeromagnetic Survey Data – GPX and Southern Geoscience Data and Images
EL172003-EL312002_20080327_AeromagneticSurveyData
Southern Geoscience Magnetic Modelling Data
EL172003_20070830_MagneticModellingData
Outer Rim Exploration Services Bore Hole PEM Survey Data
EL172003_20080208_BoreholePEMSurveyData
Historical Geochemical Data
EL172003_20080301_HistoricalGeochem.csv