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EL19/2001
ANNUAL REPORT, 2018
KING ISLAND
NW TASMANIA

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EXECUTIVE SUMMARY

EL19/2001 is an integral component of the tenement package required for the development of the King Island Scheelite Project. The 67km² EL covers a 7km length of the prospective Grassy Group-Grassy Granite contact. The EL hosts several significant deposits and exploration targets including the Bold Head Mine, Investigator 21, Investigator 2, Investigator 22, Investigator 24, Investigator 23, Investigator 3, Investigator 16, Investigator 6, and South Bold Head.

During 2018, King Island Scheelite (KIS) continued with technical studies on the King Island Project. Additional technical work includes revision of the environmental impact statement, geotechnical assessment, metallurgical test work, infrastructure engineering and marketing studies.

Work completed specifically on EL19/2001 during the December 2017 to November 2018 period included:

- Preliminary compilation of historic field data, interpretation and target generation of the Investigator 2, Investigator 21, Investigator 22 and Investigator 24 areas west of Grassy
- Diamond Drilling 4 holes for 568.9m.

Significant scheelite skarn mineralisation was returned from 3 of the 4 drillholes completed, 2 with multiple ore grade intercepts including:

KI060	103.2 – 106.3m	3.1m @ 0.5% WO ₃
KI060	181.5 – 184.4m	2.9m @ 0.6% WO ₃
KI062	90.4 – 93.0m	2.6m @ 0.4% WO ₃
KI062	103.2 – 106.5m	3.3m @ 1.7% WO ₃

The drilled area contains a potential resource in the order of 0.5-1.0Mt @ 0.5-0.7% WO₃. Mineralisation remains open and further infill and extension drilling is required.

The 5-800m of prospective area south from Investigator 2 remains largely untested by drilling. The area hosts some significant interpreted fault structures adjacent to the Grassy Group - Grassy Granite contact. Scheelite mineralisation was observed from the collar of limited historic percussion drilling. Several diamond holes are proposed to determine the stratigraphic and structural relationships. Geological models generated with diamond drill core will assist future targeting.

Proposed work for the 2019 year includes continued data acquisition and geological modelling. This will be followed by exploration diamond drilling of approximately 800-1000m in the Investigator 21 to Investigator 24 areas in 2020. An expenditure of approximately \$200,000 is anticipated over the 2 year extension of term period to December 2020.

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EL19/2001 Digital File Listing		
Exploration Work Type	Filename	File format
Report	EL192001_201812_01_Report.pdf	pdf
Drilling	EL192001_201812_02_SL.xls	xls
	EL192001_201812_03_DS.xls	xls
	EL192001_201812_04_DL.xls	xls
	EL192001_201812_05_DG.xls	xls
	EL192001_201812_06_Lithcodes.xls	xls
Surface sampling		
Other (specify)		
Surface DTM	Grassy 10m Contours	dxf
	b_lens21.dxf	dxf
	c_lens21.dxf	dxf
	granite_21	dxf
File Verification Listing (this file)	EL192001_201812_FileListing.xls	xls

1 INTRODUCTION

This report details exploration activities completed on EL19/2001, Grassy, King Island between December 16th 2017 and December 15th 2018.

The King Island Scheelite Project is located in the southeastern corner of King Island, Tasmania (Figure 1). Project tenure includes a Mine Lease (1M/2006), and an Exploration License (EL19/2001). The tenements are held by Australian Tungsten Pty Ltd, a wholly owned subsidiary of King Island Scheelite Limited (KIS) a public company listed on the Australian Securities Exchange.

The Dolphin Mine located on 1M/2006 was originally operated by Geopeko Ltd. along with the satellite Bold Head Mine located several kilometers to the north on EL19/2001.

The Dolphin Scheelite Mine operated intermittently since its discovery and start up in 1920 until the 1990's, with several forced shutdowns due to low tungsten prices. The Bold Head underground mine operated from 1972 until 1986. The site was decommissioned and rehabilitated in 1994 after low tungsten prices in the late 1980's forced closure of the operation.

KIS have been investigating the potential of re-opening the mines. Initial investigations into the viability of an open cut and seawall in 2006 were inconclusive and the focus changed to rehabilitation of the underground workings and production from remnant resources. KIS completed a definitive feasibility study into a 350ktpa mine and processing facility producing 5700t of concentrate per annum over an 11 year mine life in early 2012 from underground mines on the Dolphin and Bold Head deposits and retreatment of some of the tailings.

Project funding for the 2012 DFS proved to be difficult in the financial climate. Consequently, KIS have revised the project to a staged start up commencing with an 8 year open cut operation on the Dolphin Deposit producing 450ktpa. A gravity flotation concentration plant producing 4000tpa of 65% WO₃ forms the basis of the revised DFS.

Mine rehabilitation and mill construction are scheduled to commence within twelve months of securing full project funding.

Resource estimation of the Dolphin and Bold Head Deposits and historic tailings storage facility (TSF) have been completed by KIS and form the basis of the King Island Scheelite Project (Table 1, Callaghan, 2011, 2015a, Callaghan 2015b).

Various reserve estimations have been completed encompassing both open pit and underground options as well as retreatment of the historic Tailings Storage Facility. The most recent reserve estimation on the Dolphin deposit completed by Xenith consulting reported in accordance with the 2012 edition of the JORC Code consists of a Probable Reserve of 3.14Mt @ 0.73% WO₃ at a 0.2% WO₃ cut off. The Bold Head Reserve has not been updated post the recent 2015 resource estimation and remains as a Probable Reserve of 0.59Mt @ 0.76% WO₃ reported at a 0.5% WO₃ cutoff in accordance with the 2004 edition of the JORC Code (Fudge, 2012).

TABLE 1. KING ISLAND SCHEELITE PROJECT RESOURCES			
	MTonnes	WO₃	Tonnes WO₃
Dolphin	0.20% WO ₃ cutoff		
Indicated	9.60	0.9	86,400
Bold Head	0.50% WO ₃ cut off		
Indicated	1.61	0.92	14,810
Inferred	0.15	0.85	1,270
Total	1.65	0.96	16,080
TSF	0.08% WO ₃ cut off		
Measured	2.70	0.17	4,590
Total	13.95	0.77	107,070

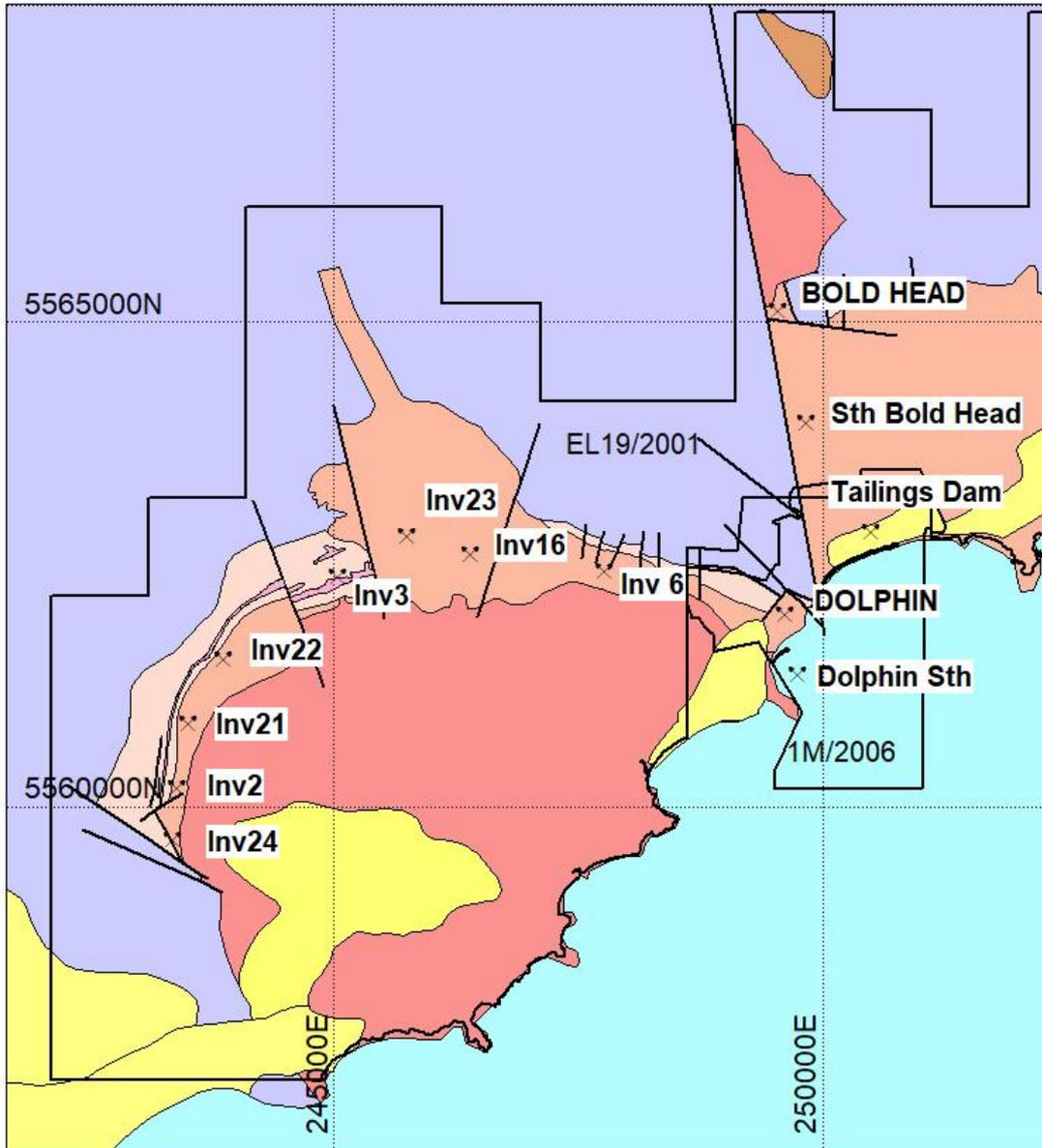
Technical studies associated with the project that have been completed or are in progress include:

- Resource estimation
- Mining studies
- Reserve estimation
- Metallurgical test work
- Process flow sheet design
- Cost estimates and construction plans
- Environmental Permitting
- Negotiations with potential market off-taker
- Financial modeling
- Negotiations with potential project funding providers
- Geotechnical drilling

Studies completed on EL19/2001 over the life of the EL include diamond drilling, two Resource Estimations of Bold Head, two pit designs for Bold Head, Underground Reserve Estimation and Target generation.

Exploration of the EL during the past two years has focused on compilation of historic data, targeting and diamond drilling of Investigator 21 and Investigator 2.

EL19/2001 is integral to the development of the King Island Scheelite Project and is expected to add longevity to the project through additional resources developed through exploration once operations recommence.



LEGEND

- | | | | |
|---|-----------------------|---|---------------------|
|  | Quaternary Sand |  | Lower Grassy Group |
|  | Carboniferous Granite |  | Naracoopa Formation |
|  | Upper Grassy Group | | |
|  | Middle Volcanics | | |

Figure 1. King Island Project Geology, Tenements and Major Prospects.

2 GEOLOGY

The regional geology of King Island is best described in Tasmanian Geological Record 2007/02, *Some Notes on the Geology of King Island* (Calver, 2007). Much of the geology described in this section is summarized from this publication (Figure 2).

The geology of King Island consists primarily of Proterozoic rocks with lesser Silurian Granites and extensive wind blown Pleistocene to Recent sand cover. The Proterozoic Geology of the eastern half of the island (hosting the Bold Head and Dolphin WO₃ deposits) is distinctly different from the geology of the western half. The relationship between the western and eastern halves remains problematic.

The western half is dominated by the Mesoproterozoic (1300Ma) Surprise Bay Formation. The Surprise Bay Formation is dominantly a N-S striking regionally metamorphosed amphibolite grade meta-sedimentary unit with minor mafic intrusives. The western margin of the Surprise Bay Group was intruded by a 790Ma granite body (Calver, 2007) post dating the 760Ma Wickham Orogeny (Cox, 1989, Turner *et al.* 1998).

The Eastern half of the Island is dominated by the (1000-750Ma) Fraser Formation consisting of a thick succession of relatively unmetamorphosed shale, siltstone and fine grained muscovite-quartz sandstone. Along the Southeast Coast the siltstone is conformably overlain by the 580Ma Grassy Group which is considered a correlate of the Togari Group in NW Tasmania, (Calver, 2007).

The Grassy Group in the City of Melbourne Bay area is well described by Calver (2007) and Meffre *et al* (2004). A summary of the Grassy Group stratigraphic sequence is described below:

Cottons Breccia - A basal unit of polymict cobble to boulder diamictite.

Cumberland Creek Dolostone - Calcareous sediments, shale with limestone/dolomite inter-beds. (Host Horizon for the King Island Scheelite Mineralisation).

Yarra Creek Shale - Planar laminated shale with rare volcanoclastic interbeds.

Grimes Intrusive Suite - Gabbroic intrusive sills of andesitic composition.

City of Melbourne Volcanics - Tholeiitic pillow lava, peperite and volcanoclastic sandstone.

Shower Drop Volcanics – Picritic, high MgO pillow lava and hyaloclastite.

Bold Head Volcanics – Tholeiitic basalt, volcanoclastic sandstone and conglomerate.

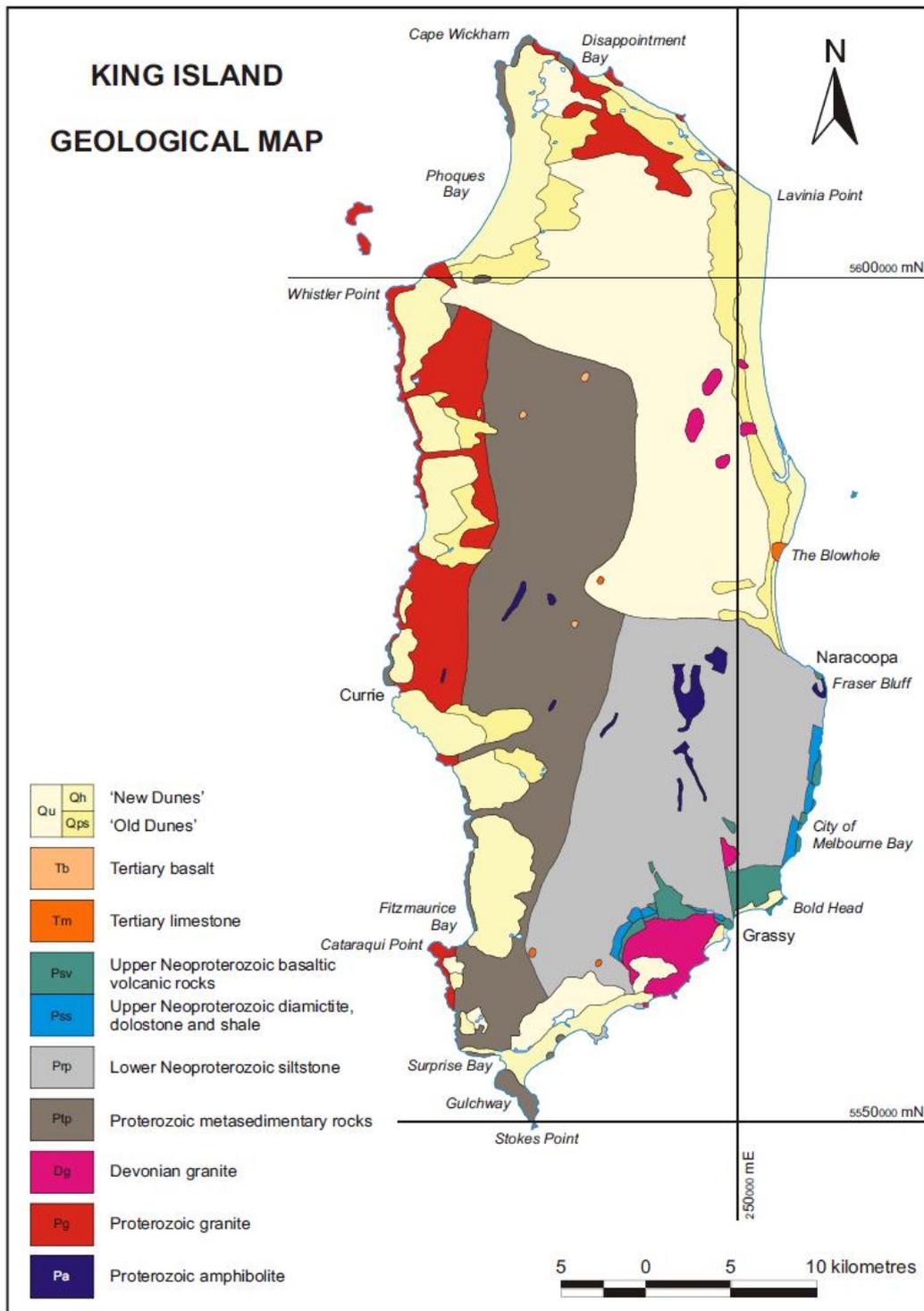


Figure 2. Regional Geology of King Island, (Calver 2007). Coordinates GDA94.

Three granite bodies, the Sand Blow (Grassy), Bold Head and Sea Elephant plutons intrude the Proterozoic sediments on the southeast coastline of King Island. The intrusions are classified as I-type monzogranite (Calver, 2007). The Bold Head Granite may be a sliver of the larger Grassy Granite (350.8 ± 1.7 Ma, Black et al), separated by the N-S trending Grassy River Fault (Figures 1 and 2).

The Bold Head Granite is porphyritic with large pink k-feldspar phenocrysts. The mineralogy consists of quartz, k-feldspar, plagioclase, biotite and amphibole with minor apatite, allanite, sphene, magnetite and zircon.

Scheelite skarn mineralisation has formed within the metamorphic aureole of the Bold Head and Grassy Granite plutons where they are in close proximity with the calcareous sediments and carbonates of the Lower Grassy Group Cumberland Creek Dolostone. Both the Bold Head and Grassy mineralisation is hosted in a similar stratigraphic sequence, although the carbonate units appear to be thicker in the Grassy area (Danielson, 1975, Figure 2). Mineralisation has formed by selective metasomatism, mainly within and immediately adjacent to carbonate horizons.

The deposits formed over a 100-200m sequence of complex skarn mineralogy located in the lower part of the Grassy Group, with two main host horizons known as B and C lens hosted in carbonates of 10-30m thickness separated by a similar thickness of skarn altered volcanic sediments. Mineralisation appears to have occurred where carbonates come into direct contact with the intrusion, or adjacent to brittle faults tapping into the nearby intrusion. Mineralisation grades increase towards major structures such as the Central, Decline and Grassy Faults at Grassy and the Number 2 and Boundary Faults at Bold Head.

Mine sequence rocks have been intensely contact metamorphosed and metasomatised and are described in Geopeko drill logs and maps by the resultant skarn mineralogy and not the stratigraphic protolith described in the regional geology. Geopeko logging codes include:

DDH logging codes

Code	Geology
um	Upper metavolcanics
bh	Biotite-actinolite hornfels
pbh	Pyroxene-biotite hornfels
pgh	Pyroxene-garnet hornfels banded pyroxene andradite skarn (+/- Scheelite)
gh	Garnet hornfels, andradite skarn (+/- Scheelite)
ch	Marble
bfb	Banded footwall beds, interbedded marble and biotite-pyroxene grossularite skarn (+/- garnet, Scheelite)
lv	Lower metavolcanics

Mineralisation occurs predominantly as coarse Scheelite with lesser Powellite in either garnet-hornfels, pyroxene garnet hornfels and garnet-pyroxene altered banded footwall beds.

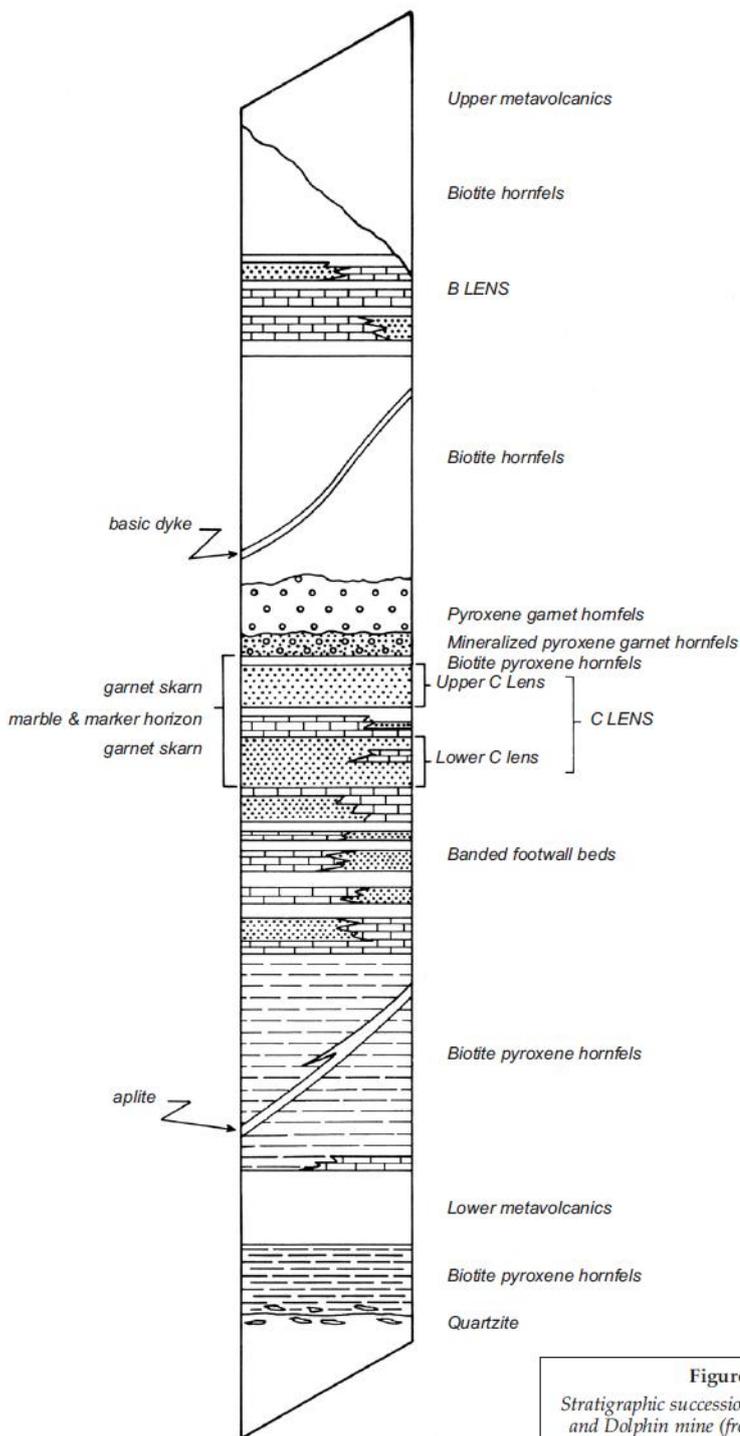


Figure 4
 Stratigraphic succession, No. 1 Open Cut
 and Dolphin mine (from Brown, 1990).

Figure 3. Stratigraphic column of the Grassy Group host sequence in the Grassy open cut (from Brown, 1990). The sequence is very similar to the Bold Head sequence 3km north.

3 EXPLORATION PROSPECTS EL19/2001.

EL19/2001 hosts several advanced prospects including the Bold Head Mine, Investigator 21 and Investigator 2 as well as the conceptual South Bold Head prospect (Figure 1).

The Bold Head Mine is a significant component of the King Island Project. The remnant mineralisation has been digitized and the resource estimated to comply with the guidelines of the 2012 edition of the JORC Code during 2015 (Callaghan, 2015). The resource estimation was completed after a diamond drilling program in 2014 and includes the latest drilling data. A new Reserve Estimation and mine plan are required and should be included in future work programs. Mining is envisaged to involve some small-scale open cut mining before re-accessing and rehabilitating the historic underground workings. Minor resource extensions are anticipated from exploration on the periphery of the Bold Head Resource. An ML or RL application should be submitted to ensure tenure of the Bold Head resource.

EL19/2001 encompasses nine kilometers of Grassy Group volcanics exposed along the northern and western margin of the Grassy Granite (Figure 1). The area has significant potential to host similar scheelite skarn mineralisation as the Bold Head and Dolphin deposits. The two most advanced projects include Investigator 21 and Investigator 2, both of which have ore grade scheelite skarn intersections hosted in the same stratigraphic sequence as the Bold Head and Dolphin Deposits. The prospects on the periphery of the Grassy Granite have the potential to host Bold Head sized deposits (2-3Mt @ 0.8 – 1.0% WO₃).

Detailed maps and sections of the granite contact were prepared by Geopeko based on field mapping, diamond drilling, percussion and auger drilling, geochemistry and geophysics (Brown 1975). All the data and maps are located as hard copy reports and figures based on the original ISG grid. Data collation, digitization, transformation to GDA format, geological modelling and initial targeting commenced in late 2017/early 2018.

The conceptual South Bold Head exploration target is located on EL19/2001 (Figure 1). The South Bold Head conceptual target has the capacity to host a large, Dolphin type scheelite deposit in the order of 2-10Mt. The exploration target is located south of the Graham's Road Fault along the eastern side of the Grassy Fault and as such should be regarded as high risk but with potentially high reward. The Graham's Road Fault is a ductile shear with a south-side down throw of over 200m. Mine sequence is postulated to occur at depth beneath the outcropping upper volcanics of the Grassy Group. Detailed geophysical surveys were completed in 1982 and reported in 1983 (Brown, 1983). Gravity surveys indicate several residual bouger anomaly highs and lows suggestive of a granite surface similar to the Bold Head setting. The presence of the upper volcanic sequence suggests there is the potential for a deep target (800m+) adjacent to the Grassy River Fault on its eastern margin.

4 WORK COMPLETED 2018

Extensive test work and field programs have been completed on the King Island Project over the past 10 years, primarily focused on the Dolphin and Bold Head deposits.

Work completed specifically on EL19/2006 during the December 2017 to November 2018 period included historic data compilation and interpretation followed by a diamond drilling program targeting the Investigator 21 and Investigator 2 prospects.

4.1 HISTORIC DATA COMPILATION

Acquisition and digitisation of all historic diamond, percussion from historic reports was completed and converted to GDA94 format. The majority of the data and geological information was derived from Geopeko Progress Report on the Exploration of the Grassy Granite Contact Zone, G Brown (1975, MRT report 75_1079). The diamond drilling data in this report was of good quality although not all assays and logs for holes post 1975 were available. Percussion holes only had mineralisation logged presumably by UV light. No quantitative data was available. The data was added to the KIS access database. Mineralisation in percussion holes were given a grade of 0.3 to 0.5% WO₃ just to assist in highlighting mineralised zones in Surpac software.

Solid models of the granite surface and B and C Lens were constructed in the Investigator 21 and Investigator 2 areas where sufficient drilling information was available. DXF files of these models are available in the digital database. These models were used to assist targeting of diamond drill holes.

4.2 DIAMOND DRILLING

Drilling included four diamond drillholes for 568.9m (Table 2).

Investigator 21 and Investigator 2 are located on the western side of the Grassy Granodiorite, approximately 6km from the world class Dolphin Scheelite Deposit. The two prospects are continuous and are essentially the same mineral occurrence, extending over a 600m strike length (Figure 4). The mineralisation was discovered by Geopeko in the early 1970's after following up a regional mapping and soil sampling program. The KIS drilling program is the first exploration drilling to be completed in the area since the early 1980's.

Mineralisation is directly analogous to the Dolphin and Bold Head deposits, hosted in the same calcareous volcanoclastic sediments near the base of the Grassy Group where they are in proximity to the Grassy Granodiorite. Scheelite mineralisation is associated with calcareous skarn developed adjacent to the contact of the Lower Grassy Group and the Grassy Granodiorite. Mineralisation is localized in and around two main carbonate horizons termed B lens and C Lens.

The host sequence dips shallowly east, where it is truncated by the west dipping margin of the Grassy Granodiorite (Figure 4-7). Mineralisation at Bold Head and Dolphin is controlled by folding and brittle faulting within the Grassy Group which forms roof pendants above the underlying granodiorite. Although drill spacing at the prospect is broad (100x100m or greater), a similar structural setting is apparent from information available.

Drilling was completed by Spaulding's Drilling Pty Ltd with a truck mounted diamond drill rig. All mineralised intercepts were drilled as NQ diamond core with good recoveries from the un-weathered skarn mineralisation.

Primary drill collars were surveyed by licensed surveyor. Downhole surveys were completed on all drill holes.

Drill core was logged in the KIS core facility in Grassy. All core is stored in the Grassy core compound. Logging was completed on excel spreadsheets and loaded into an access database. A low wavelength ultraviolet lamp was used to delineate zones with significant scheelite mineralisation. Areas with strong fluorescence were marked for sampling. Mineralised intercepts were cut with a diamond saw and half drill core samples were taken on 1m lengths from mineralised zones whilst respecting geological boundaries. Drill core was bagged on site, sealed in poly-weave bags and sent to ALS Laboratories in Burnie for analysis. Samples were analysed for WO₃ by fusion disc XRF. Results were received electronically and loaded onto log sheets and uploaded to the KIS drilling database.

Drillholes were drilled on east-west oriented sections (Figures 5,6 and 7). Details of collar locations and significant intercepts are listed in Table 1.

Hole Id	x_gda	y_gda	RL	Depth	Azm	Dip	From m	To m	Length m	WO3%
K1060	243440.4	5560776	138.517	192.4	0	-90	103.2	106.30	3.1	0.5
							181.5	184.40	2.9	0.6
K1061	243362	5560661	137.143	143.5	270	-60	no significant mineralisation			
K1062	243456.6	5560655	139.398	131.2	268	-60	90.4	93.00	2.6	0.4
							103.2	106.50	3.3	1.7
K1063	243319.5	5560458	128.773	101.8	270	-70	62.1	62.80	1.7	0.2

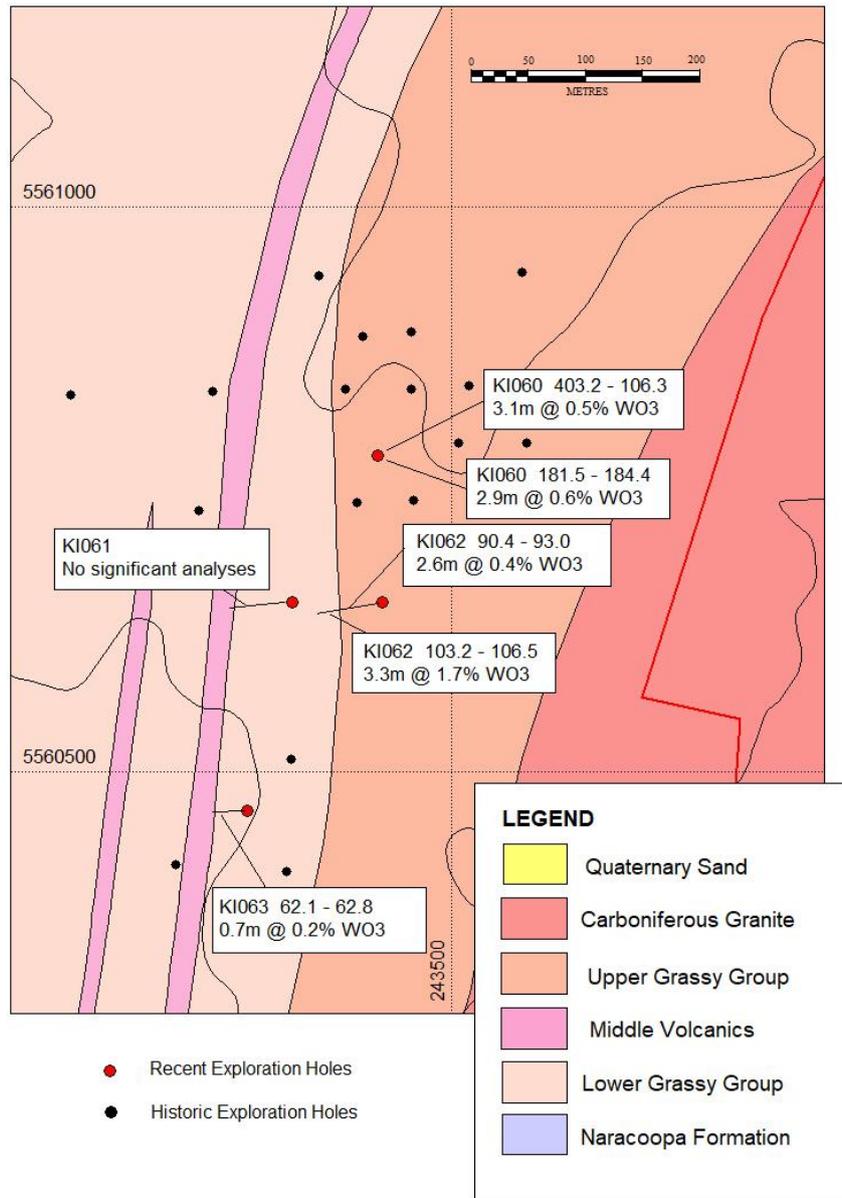


Figure 4. Investigator 21 drill collar location and geology.

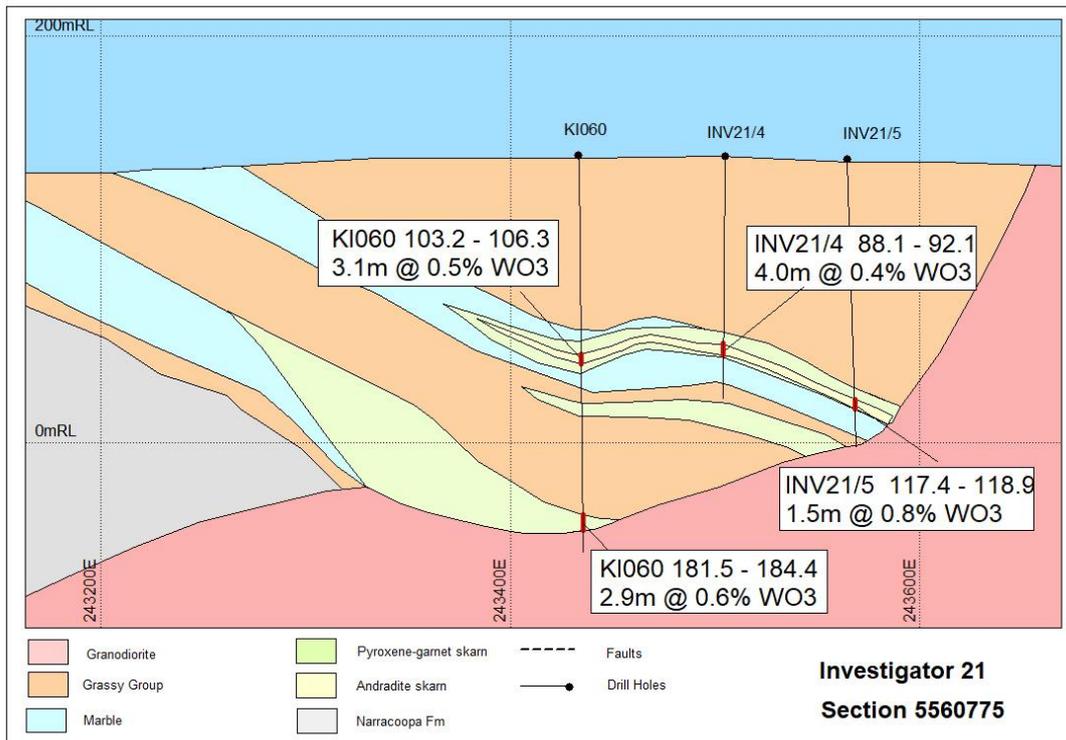


Figure 5. Investigator 21 Section 5560775N

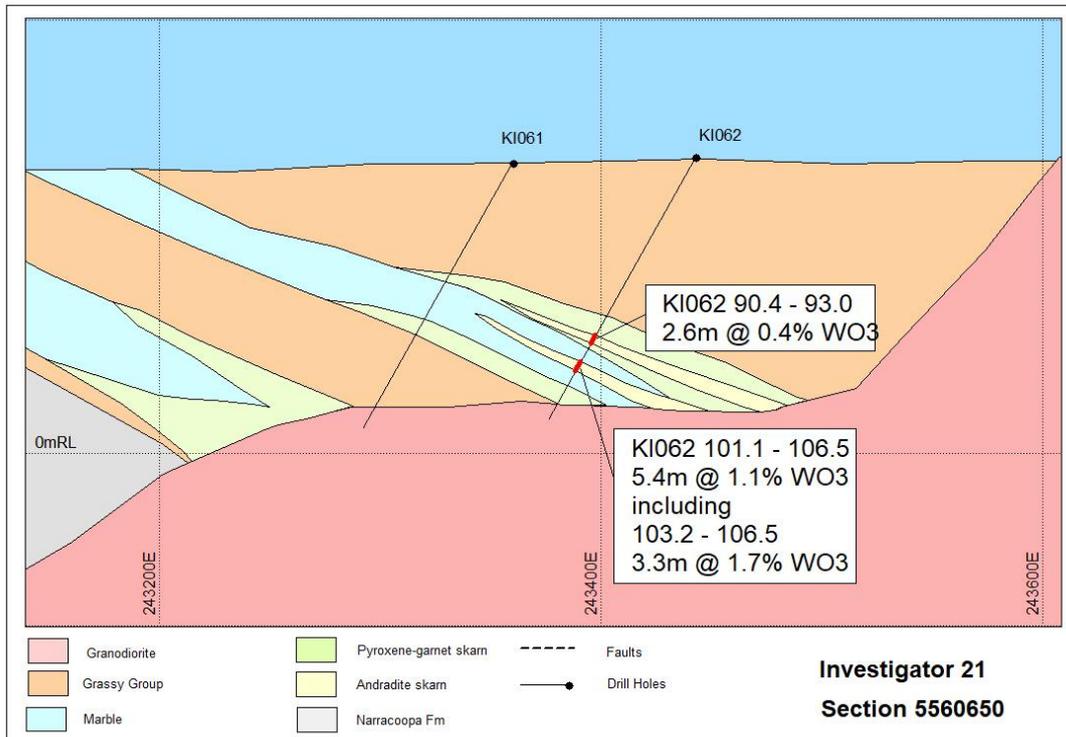


Figure 6. Investigator 21 Section 5560650N

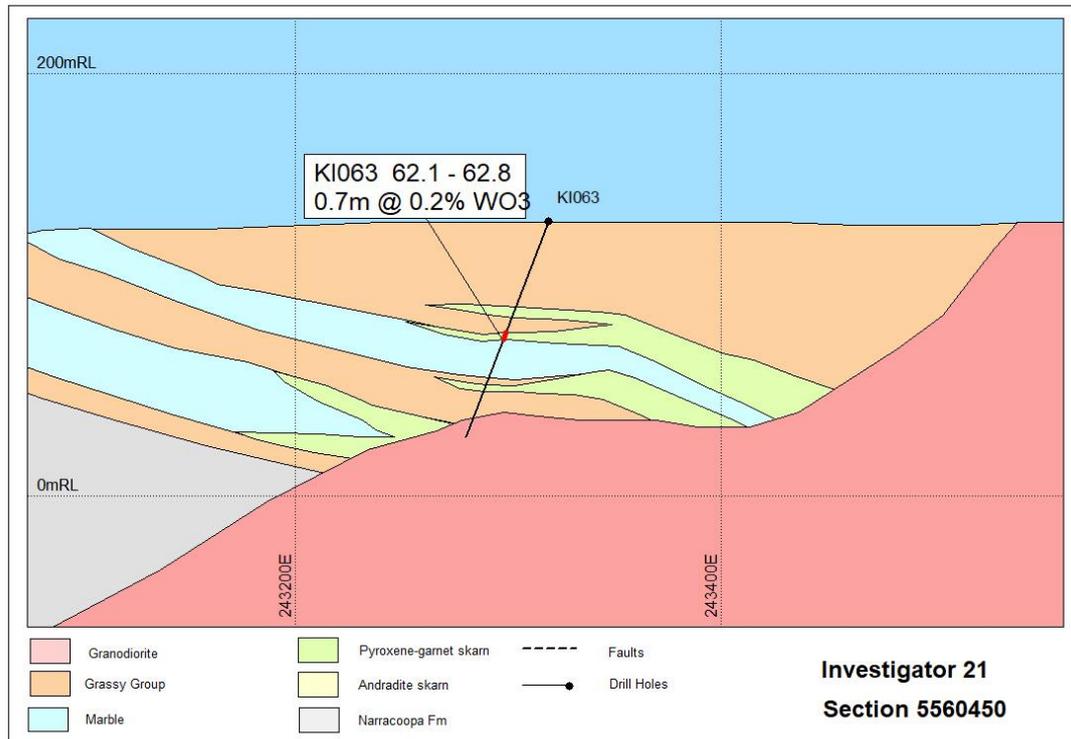


Figure 7. Investigator 2 Section 5560450N

4.3 DISCUSSION

The high grade scheelite skarn mineralisation at Investigator 21 and Investigator 2 highlights the prospectivity of the 9km strike length of the Grassy Group-Granodiorite contact (Figure 1 and 2). Further mineralisation is likely to be identified within and immediately along strike from Investigator 21/Investigator 2 as well as other prospects further along the contact. Ongoing exploration, principally diamond drilling is warranted. Some pre-collaring of deeper holes will reduce exploration costs.

Ore grade mineralisation within the Lower Grassy Group is associated with proximity to the Grassy Granite and significant fault structures (e.g. Dolphin and Bold Head). There is a clear structural dislocation between section 5560775N and section 5560650N, with the granodiorite intersected nearly 100m deeper on the northern section. There is quite likely to be a brittle fault similar to the faulting in the Dolphin and Bold Head deposits between these two sections. Geological modelling suggests there may be an embayment in the granodiorite surface on section 5560775N.

Importantly, only B lens was intersected in its entirety from the recent drilling. KI060 intersected mineralisation in the top of C Lens in before intersecting the granodiorite (Figure 5560775). C Lens is generally better mineralised at Bold Head and Dolphin suggesting better quality mineralisation may be located 1-200m west of drillholes KI060 and KI061. Geopeko drilled three holes intersecting C Lens west of these drillholes. The original logs (INV21/9, INV21/10 and INV21/12) and assay data have not been located. One hole has assay data with minor scheelite mineralisation. Further drilling is recommended.

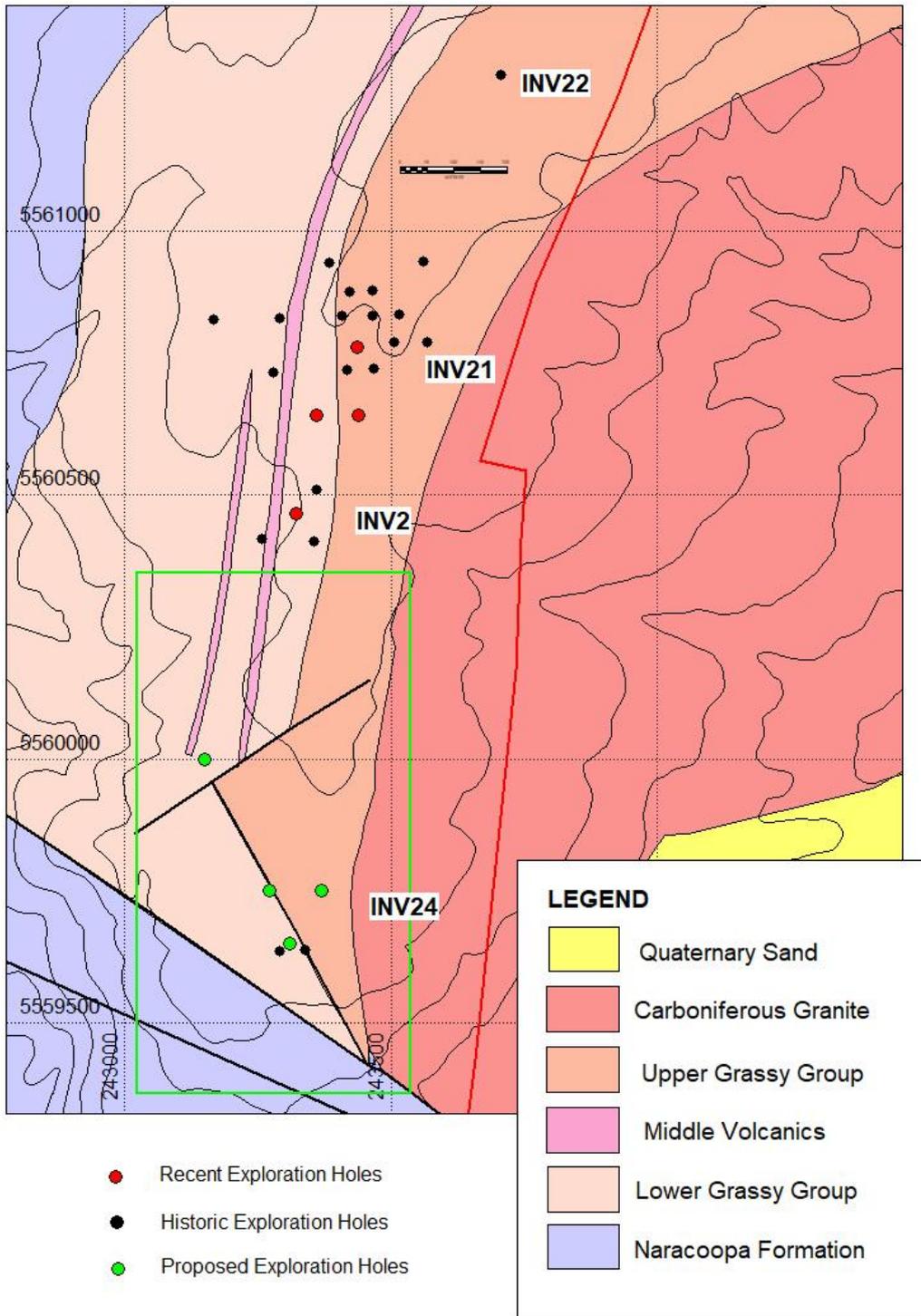


Figure 8. Investigator 24 Proposed Drilling.

Geopeko have interpreted significant faults in the Investigator 24 area located 500 to 800m south of Investigator 2 (Figure 8). The prospect has only been tested by 2 diamond holes, the percussion pre-collar of INV24/2 intersecting significant scheelite mineralisation. The limited drilling and outcrop is insufficient to adequately model the geology of the area and several exploration drillholes are recommended do improve the stratigraphic and structural understanding.

An initial program of 4 diamond holes of approximately 150-200m length each is recommended. Details of collar locations should be finalized after all historic data has been collated and assessed.

5 PROPOSED WORK 2019-20

King Island Scheelite continues to focus on securing financing for the construction and commissioning of a scheelite concentration plant and mining operation based on resources located on Mine Lease 1M/2006. EL19/2001 is vital to the longevity of the operation containing significant resources and reserves at the Bold Head Mine as well as several drill defined scheelite prospects on the periphery of the Grassy Granodiorite.

The Bold Head Mine contains significant resources and an underground reserve. It is recommended that a retention license (RL) or Mining Lease (ML) is obtained for the Bold Head deposit to secure tenure while the Dolphin Mine is being developed.

The Bold Head Reserve Estimation requires updating following the 2015 resource estimation.

The project work program for the two-year extension period 2019-20 is scheduled to include:

- ML or RL application for the Bold Head Mine.
- Compilation of historic field data, interpretation, geological modelling and target generation of the Investigator 21, Investigator 2 and Investigator 24 prospects.
- Exploration diamond drilling of the Investigator 2, Investigator 21 and Investigator 24 area, 4-6 holes for 800-1000m

6 PROPOSED BUDGET 2019-20

An total expenditure of \$210,014 was completed over the 2017-2018 two year term of extension for EL19/2001.

A similar budget of approximately \$200,000 is proposed for the 2019-20 period with most of the expenditure expected to be on diamond drilling in the second year.

Minor expenditure is expected for the lodgment of an RL or ML on the Bold Head Mine.

7 ENVIRONMENTAL AND REHABILITATION

All drill sites were rehabilitated on conclusion of the drilling program. Drill collars were capped below ground and sumps backfilled, with the sites returned to pasture as per the requirements of the Mineral Resources Tasmania Exploration Code of Practice and the agreement with the land owner.

ADDITIONAL NOTES

COMPETENT PERSON AND JORC CODE

The information within this report that relates to Mineral Resources and Reserves and Exploration Results is based on information compiled by Mr Tim Callaghan who is a consultant geologist working for King Island Scheelite. Tim is a Member of the Australasian Institute of Mining and Metallurgy (AUSIMM) and has sufficient experience in the styles of mineralisation and types of deposits in consideration to qualify as a competent person according to the 2004 edition of the Australasian Code for reporting Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). He consents to the inclusion of this material in the form and context in which it appears in this report.

FORWARD LOOKING STATEMENTS

Some statements in this announcement regarding estimates or future events are forward-looking statements. They involve risk and uncertainties that could cause actual results to differ from estimated results. Forward looking statements include but are not limited to, statements concerning the Company's exploration program, outlook, target sizes and mineralised material estimates. They include statements preceded by words such as "expected", "planned", "target", "scheduled", "intends", "potential", "prospective" and similar expressions.

COORDINATES

All coordinates in this report are recorded in GDA94 Zone 55 or Bold Head Mine Grid

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Appendix 1

Drill Logs

Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
Dolphin V	KI060	90.3	93.3	Cgg	pgh	PxGa	G3		Ft			Mottled green orange and white banded grossular-pyroxene-biotite skarn.. Bands of grey dolomite. Minor scheelite mineralisation.
Dolphin V	KI060	93.3	96.9	Cgg	bh	Bi	B4		Sp	Bd	80	Dark Brown, medium to fine grained laminated basaltic volcanoclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI060	96.9	100.6	Cgg	ch	Ca	A1		Sp	Bd	80	Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI060	100.6	100.8	Cgg	gh	Ga	B5		Sp	Bd	80	Dark brown, crysatalline andradite skarn. Interstitial calcite crystals. Fine to medium grained disseminated schellite 0.5-1.0%.
Dolphin V	KI060	100.8	101	Cgg	ch	Ca	A1		Sp	Bd	80	Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI060	101	103.1	Cgg	bh	Bi	B4		Sp	Bd	80	Dark Brown, medium to fine grained laminated basaltic volcanoclastic sandstone. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI060	103.1	106.3	Cgg	gh	Ga	B5		Sp	Bd	70	Dark brown, crysatalline andradite skarn. Interstitial calcite crystals. Fine to medium grained disseminated scheelite 0.5-1.0%.
Dolphin V	KI060	106.3	106.8	Cgg	bh	Bi	B4		Sp	Bd	70	Dark Brown, medium to fine grained laminated basaltic volcanoclastic siltstone. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI060	106.8	107.5	Dg	ad	SiKf	A2		Sp			Pale grey, coarse pegmatitic qtz-kfeld-plag-bio granite. Ser alt with minor disseminated py.
Dolphin V	KI060	107.5	114.3	Cgg	ch	Ca	A1		Sp	Bd	80	Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI060	114.3	119.9	Cgg	mv	BiPx	B4		Sp	Bd	70	Coarse grained, polymict basaltic lithic volcanoclastic breccia. Clasts of basalt, dolomite and chert. Pervasive biotite alteration. Strongly hornfelsed and metasomatised.
Dolphin V	KI060	119.9	121	Dg	ap	Si	A1		Sp			Pale grey, fine grained, qtz-kfeldspar-plagioclase-biotite granite/aplitic dyke.
Dolphin V	KI060	121	126.1	Cgg	pgh	PxGa	G3		Ft			Mottled green orange and white banded grossular-pyroxene-biotite skarn. Bands of grey dolomite. Minor scheelite mineralisation. Metasomatised polymict VC breccia.
Dolphin V	KI060	126.1	127	Dg	ad	SiKf	A2		Sp			Pale grey, coarse pegmatitic qtz-kfeld-plag-bio granite. Ser alt with minor disseminated py.
Dolphin V	KI060	127	131.2	Cgg	bh	Bi	B4		Sp			Massive, dark brown, fine grained basaltic lithic Volcanoclastic breccia/sandstone. Pervasive biotite alteration with bands of green pyroxene and minor grossular.
Dolphin V	KI060	131.2	131.7	Dg	ap	Si	A1		Ft			Pale grey, fine grained, qtz-kfeldspar-plagioclase-biotite granite/aplitic dyke.
Dolphin V	KI060	131.7	133.5		f	Cy	A1		Ft			Puggy, broken biotite hornfels. Brittle fault.

Geotech Sheet											
Project	BHID	From	To	Recovery	% Recovery	Lithology	Weathering	Alteration	Strength	length>10cm	RQD%
Dolphin	KI060	0	9	0	0		W		W	0	0
Dolphin	KI060	9	9.6	0.6	100		W		W	0.4	66.7
Dolphin	KI060	9.6	11.3	1.2	70.6		W		W	0	0
Dolphin	KI060	11.3	13.5	1.8	81.8		W		W	0	0
Dolphin	KI060	13.5	14.5	0.2	20		W		W	0	0
Dolphin	KI060	14.5	15.5	0.6	60		W		S	0.1	10
Dolphin	KI060	15.5	15.8	0.3	100		F		ES	0	0
Dolphin	KI060	15.8	16.3	0.5	100		F		ES	0.2	40
Dolphin	KI060	16.3	17.8	1.5	100		F		ES	1.2	80
Dolphin	KI060	17.8	18.6	0.8	100		F		ES	0.7	87.5
Dolphin	KI060	18.6	21.3	2.7	100		F		ES	2.4	88.9
Dolphin	KI060	21.3	23.1	1.2	66.7		F		ES	0.3	16.7
Dolphin	KI060	23.1	24.5	1.4	100		F		ES	0.3	21.4
Dolphin	KI060	24.5	25.8	1.3	100		F		ES	0.6	46.2
Dolphin	KI060	25.8	26.1	0.3	100		F		ES	0	0
Dolphin	KI060	26.1	27.5	1.4	100		F		ES	0.8	57.1
Dolphin	KI060	27.5	28.9	1.4	100		F		ES	0.5	35.7
Dolphin	KI060	28.9	30.4	1.5	100		F		ES	0.7	46.7
Dolphin	KI060	30.4	32.7	2.3	100		F		ES	1.9	82.6
Dolphin	KI060	32.7	34.4	1.7	100		F		ES	0.7	41.2
Dolphin	KI060	34.4	35.1	0.7	100		F		ES	0.4	57.1
Dolphin	KI060	35.1	36.3	1.2	100		F		ES	0.5	41.7
Dolphin	KI060	36.3	37.5	1.2	100		F		ES	0.5	41.7
Dolphin	KI060	37.5	39.5	2	100		F		ES	2	100
Dolphin	KI060	39.5	41.8	2.3	100		F		ES	2	87
Dolphin	KI060	41.8	42.9	1.1	100		F		ES	0.5	45.5
Dolphin	KI060	42.9	43.9	0.8	80		F		ES	0.6	60
Dolphin	KI060	43.9	44	0.3	300		F		ES	0.1	100
Dolphin	KI060	44	44.7	0.7	100		F		ES	0.5	71.4
Dolphin	KI060	44.7	45.5	0.8	100		F		ES	0.3	37.5
Dolphin	KI060	45.5	46.5	1	100		F		ES	0.7	70
Dolphin	KI060	46.5	47.9	1.4	100		F		ES	0.6	42.9
Dolphin	KI060	47.9	49.3	1.4	100		F		ES	0.8	57.1
Dolphin	KI060	49.3	50.1	0.8	100		F		ES	0.3	37.5
Dolphin	KI060	50.1	50.8	0.4	57.1		F		ES	0	0
Dolphin	KI060	50.8	51.9	1.1	100		F		ES	0.4	36.4
Dolphin	KI060	51.9	53.5	1.6	100		F		ES	1.3	81.2
Dolphin	KI060	53.5	56.5	1	33.3		F		ES	1	33.3
Dolphin	KI060	56.5	57.5	3	300		F		ES	3	300
Dolphin	KI060	57.5	58.7	1	83.3		F		ES	0.8	66.7
Dolphin	KI060	58.7	60.5	1.8	100		F		ES	1.8	100
Dolphin	KI060	60.5	63.5	3	100		F		ES	3	100
Dolphin	KI060	63.5	66.5	3	100		F		ES	2.9	96.7
Dolphin	KI060	66.5	69.5	3	100		F		ES	3	100
Dolphin	KI060	69.5	72.5	3	100		F		ES	2.8	93.3
Dolphin	KI060	72.5	73.4	0.9	100		F		ES	0.3	33.3
Dolphin	KI060	73.4	75.5	2.1	100		F		ES	2.1	100
Dolphin	KI060	75.5	75.7	0.2	100		F		ES	0.2	100

Dolphin	KI060	75.7	76.5	2.8	350		F		ES	2.7	338
Dolphin	KI060	76.5	81.5	3	60		F		ES	2.8	56
Dolphin	KI060	81.5	84.5	3	100		F		ES	3	100
Dolphin	KI060	84.5	87	2.5	100		F		ES	2.3	92
Dolphin	KI060	87	87.5	0.5	100		F		ES	0.3	60
Dolphin	KI060	87.5	90.3	1	35.7		F		ES	0.7	25
Dolphin	KI060	90.3	91.2	0.7	77.8		F		ES	0.2	22.2
Dolphin	KI060	91.2	93.9	2.3	85.2		F		ES	2.3	85.2
Dolphin	KI060	93.9	95.4	1.9	127		F		ES	1.8	120
Dolphin	KI060	95.4	98.5	3.1	100		F		ES	3	96.8
Dolphin	KI060	98.5	101.6	3.1	100		F		ES	2.9	93.5
Dolphin	KI060	101.6	102.5	0.9	100		F		ES	0.7	77.8
Dolphin	KI060	102.5	104.7	2.2	100		F		ES	2	90.9
Dolphin	KI060	104.7	107.8	3.1	100		F		ES	2.7	87.1
Dolphin	KI060	107.8	110.9	3.1	100		F		ES	3.1	100
Dolphin	KI060	110.9	114	3.1	100		F		ES	3	96.8
Dolphin	KI060	114	117.1	3.1	100		F		ES	3	96.8
Dolphin	KI060	117.1	120.2	3.1	100		F		ES	2.8	90.3
Dolphin	KI060	120.2	123.3	3.1	100		F		ES	3.1	100
Dolphin	KI060	123.3	126.4	3.1	100		F		ES	3.1	100
Dolphin	KI060	126.4	129.5	3.1	100		F		ES	3.1	100
Dolphin	KI060	129.5	132	2.3	92		F		ES	1.8	72
Dolphin	KI060	132	132.5	0.5	100		F		ES	0	0
Dolphin	KI060	132.5	133.2	0.7	100		F		ES	0	0
Dolphin	KI060	133.2	133.5	0.3	100		F		ES	0	0
Dolphin	KI060	133.5	134.7	1.2	100		F		ES	0.3	25
Dolphin	KI060	134.7	135.8	1.1	100		F		ES	0.3	27.3
Dolphin	KI060	135.8	136.8	0.5	50		F		ES	0.1	10
Dolphin	KI060	136.8	138.5	1.5	88.2		F		ES	0.9	52.9
Dolphin	KI060	138.5	141.3	2.8	100		F		ES	2.6	92.9
Dolphin	KI060	141.3	144.3	3	100		F		ES	2.7	90
Dolphin	KI060	144.3	144.7	0.4	100		F		ES	0.1	25
Dolphin	KI060	144.7	147.2	2.5	100		F		ES	2	80
Dolphin	KI060	147.2	150.1	2.9	100		F		ES	2.9	100
Dolphin	KI060	150.1	153.2	3.1	100		F		ES	3	96.8
Dolphin	KI060	153.2	156.3	3.1	100		F		ES	3	96.8
Dolphin	KI060	156.3	159.4	3.1	100		F		ES	3.1	100
Dolphin	KI060	159.4	160.9	1.5	100		F		ES	1.4	93.3
Dolphin	KI060	160.9	152.5	1.6	-19		F		ES	1.5	-18
Dolphin	KI060	152.5	165.5	3	23.1		F		ES	3	23.1
Dolphin	KI060	165.5	168.9	3	88.2		F		ES	2.9	85.3
Dolphin	KI060	168.9	171.5	3	115		F		ES	3	115
Dolphin	KI060	171.5	174.5	3	100		F		ES	3	100
Dolphin	KI060	174.5	177.5	3	100		F		ES	3	100
Dolphin	KI060	177.5	180.5	3	100		F		ES	3	100
Dolphin	KI060	180.5	183.5	3	100		F		ES	3	100
Dolphin	KI060	183.5	186.5	3	100		F		ES	3	100
Dolphin	KI060	186.5	189.5	3	100		F		ES	3	100
Dolphin	KI060	189.5	192.4	2.9	100		F		ES	2.5	86.2

Drill Log													
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description	
Dolphin V	KI061	0	8.5		nc								No core recovery, Rotary drill collar.
Dolphin V	KI061	8.5	16.3	Cgg	uv	cy	O4	0	Gd				Strongly weathered basaltic volcanics. Orange clay and weathered orange layered volcanic sediments. Poor recoveries.
Dolphin V	KI061	16.3	18.9	Cgg	uv	Ch	G1		Ft				Dark Brown and green, medium grained feldspar-lithic volcaniclastic greywacke. Massive, weakly graded turbidite. Intense biotite alteration, hornfelsed. Broken Core
Dolphin V	KI061	18.9	19.7		nc								Core loss.
Dolphin V	KI061	19.7	27.2	Cgg	uv	Bi	A4		Sp	Bd	80		Laminated dark brown and pale grey fine grained volcaniclastic sst/sst. Strongly hornfelsed with pervasive biotite alteration and pyroxene bands. Core loss.
Dolphin V	KI061	27.2	28.7		nc								Core loss.
Dolphin V	KI061	28.7	32.5	Cgg	uv	Bi	A4		Ft	Bd	80		Laminated dark brown and pale grey fine grained volcaniclastic sst/sst. Strongly hornfelsed with pervasive biotite alteration and pyroxene bands. Core loss.
Dolphin V	KI061	32.5	33.1		f	Cy	W5		Ft				Broken core. Puggy white clay.
Dolphin V	KI061	33.1	42	Cgg	bh	Bi	B4		Sp	Bd	80		Dark Brown, medium to fine grained laminated basaltic volcaniclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI061	42	42.3		f	Cy	W5		Ft				Broken core. Puggy white clay.
Dolphin V	KI061	42.3	46.4	Cgg	bh	Bi	B4		Sp	Bd	80		Dark Brown, medium to fine grained laminated basaltic volcaniclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI061	46.4	46.8	Cgg	pgh	PxGa	G3		Ft				Mottled brown, green orange and white banded grossular-pyroxene-biotite skarn.. Minor thin bands of grey dolomite/grossular. Trace scheelite.
Dolphin V	KI061	46.8	47.6	Cgg	ch	Ca	W		Ft	Bd	80		Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI061	47.6	48.6	Cgg	bh	BiPx	B4		Sp	Bd	80		Dark Brown, medium to fine grained laminated basaltic volcaniclastic sst/sslt turbidite. Pervasive biotite alteration with minor bands of pyroxene-grossular.
Dolphin V	KI061	48.6	50		f	Cy	W5		Ft				Broken core. Puggy fault. Minor grossular.
Dolphin V	KI061	50	61	Cgg	bh	Bi	B4		Sp	Bd	80		Dark Brown, medium to fine grained laminated basaltic volcaniclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI061	61	69.4	Cgg	ch	Ca	W		Ft	Bd	80		Pale grey laminated dolomite/mable. Hornfelsed and recrystallised. Minor bands of biotite hornfels, grossular and andradite.
Dolphin V	KI061	69.4	69.8		f	Cy	W5		Ft				Broken core. Puggy fault. Trace Scheelite.

Geotech Sheet											
Project	BHID	From	To	Recovery	% Recovery	Lithology	Weathering	Alteration	Strength	length>10cm	RQD%
Dolphin	KI061	0	8.5	0	0		W		W	0	0
Dolphin	KI061	8.5	9.1	0.6	100		W		W	0.4	66.7
Dolphin	KI061	9.1	9.8	0.7	100		W		W	0.5	71.4
Dolphin	KI061	9.8	11	0.8	66.7		W		W	0.3	25
Dolphin	KI061	11	12.1	0.4	36.4		W		W	0	0
Dolphin	KI061	12.1	13.1	0.1	10		W		W	0	0
Dolphin	KI061	13.1	13.3	0.1	50		W		W	0	0
Dolphin	KI061	13.3	13.8	0.1	20		W		W	0	0
Dolphin	KI061	13.8	14.4	0	0		W		W	0	0
Dolphin	KI061	14.4	15.1	0.4	57.1		W		W	0	0
Dolphin	KI061	15.1	16.3	0.2	16.7		W		W	0	0
Dolphin	KI061	16.3	16.7	0.3	75		W		W	0.2	50
Dolphin	KI061	16.7	17.6	0.5	55.6		W		W	0.3	33.3
Dolphin	KI061	17.6	18.1	0.4	80		W		W	0.2	40
Dolphin	KI061	18.1	18.6	0.3	60		W		W	0	0
Dolphin	KI061	18.6	19.3	0.4	57.1		W		W	0	0
Dolphin	KI061	19.3	21.1	0.9	50		W		W	0.2	11.1
Dolphin	KI061	21.1	22.3	0.8	66.7		W		W	0	0
Dolphin	KI061	22.3	23.6	1.1	84.6		W		W	0	0
Dolphin	KI061	23.6	25	0	0		W		W	0	0
Dolphin	KI061	25	26.2	0.7	58.3		W		W	0.1	8.33
Dolphin	KI061	26.2	26.9	0.4	57.1		W		W	0	0
Dolphin	KI061	26.9	28.7	0.3	16.7		W		W	0	0
Dolphin	KI061	28.7	30.1	0.2	14.3		W		W	0	0
Dolphin	KI061	30.1	30.8	0.3	42.9		W		W	0	0
Dolphin	KI061	30.8	31.8	0.5	50		W		W	0	0
Dolphin	KI061	31.8	34.1	1.1	47.8		W		W	0	0
Dolphin	KI061	34.1	36.1	1.8	90		W		W	0.2	10
Dolphin	KI061	36.1	37.4	1.3	100		W		W	0.2	15.4
Dolphin	KI061	37.4	38.2	0.4	50		W		W	0	0
Dolphin	KI061	38.2	39.1	0.7	77.8		W		W	0.2	22.2
Dolphin	KI061	39.1	42	2.9	100		W		W	2.1	72.4
Dolphin	KI061	42	42.3	0.2	66.7		W		W	0	0
Dolphin	KI061	42.3	43.1	0.8	100		W		W	0	0
Dolphin	KI061	43.1	43.4	0.3	100		W		W	0.3	100
Dolphin	KI061	43.4	45.1	0.8	47.1		W		W	0.4	23.5
Dolphin	KI061	45.1	46.6	0.9	60		W		W	0.6	40
Dolphin	KI061	46.6	48.1	1.5	100		W		W	1.2	80
Dolphin	KI061	48.1	50.2	1.1	52.4		W		W	0.2	9.52
Dolphin	KI061	50.2	52.6	1	41.7		W		W	0.1	4.17
Dolphin	KI061	52.6	55.1	2	80		W		W	0.4	16
Dolphin	KI061	55.1	57	1.9	100		W		W	1.8	94.7
Dolphin	KI061	57	60	3	100		W		W	3	100
Dolphin	KI061	60	63	3	100		W		W	2.5	83.3
Dolphin	KI061	63	63.5	0.5	100		W		W	0.5	100
Dolphin	KI061	63.5	66	2.5	100		W		W	2.4	96
Dolphin	KI061	66	69	3	100		W		W	3	100

Dolphin	KI061	69	72	3	100		W		W	2.6	86.7
Dolphin	KI061	72	75	3	100		W		W	3	100
Dolphin	KI061	75	78	3	100		W		W	2.8	93.3
Dolphin	KI061	78	81	3	100		W		W	2.6	86.7
Dolphin	KI061	81	84	3	100		W		W	3	100
Dolphin	KI061	84	87	3	100		W		W	3	100
Dolphin	KI061	87	90	3	100		W		W	2.9	96.7
Dolphin	KI061	90	93	3	100		W		W	3	100
Dolphin	KI061	93	96	3	100		W		W	3	100
Dolphin	KI061	96	99	3	100		W		W	3	100
Dolphin	KI061	99	102	3	100		W		W	3	100
Dolphin	KI061	102	105	3	100		W		W	3	100
Dolphin	KI061	105	108	3	100		W		W	2.9	96.7
Dolphin	KI061	108	109.7	1.7	100		W		W	1.5	88.2
Dolphin	KI061	109.7	110.6	0.9	100		W		W	0.6	66.7
Dolphin	KI061	110.6	112.1	1.5	100		W		W	1	66.7
Dolphin	KI061	112.1	113.3	1.2	100		W		W	1.1	91.7
Dolphin	KI061	113.3	114	0.7	100		W		W	0.7	100
Dolphin	KI061	114	115.5	1.5	100		W		W	1.1	73.3
Dolphin	KI061	115.5	116	0.5	100		W		W	0.1	20
Dolphin	KI061	116	116.5	0.5	100		W		W	0	0
Dolphin	KI061	116.5	117.6	0.5	45.5		W		W	0.8	72.7
Dolphin	KI061	117.6	118.8	0.5	41.7		W		W	1.1	91.7
Dolphin	KI061	118.8	121.6	0.5	17.9		W		W	2.7	96.4
Dolphin	KI061	121.6	123.6	0.5	25		W		W	1.7	85
Dolphin	KI061	123.6	124.4	0.5	62.5		W		W	0.3	37.5
Dolphin	KI061	124.4	126	0.5	31.3		W		W	1.1	68.8
Dolphin	KI061	126	128.2	0.5	22.7		W		W	1.9	86.4
Dolphin	KI061	128.2	131.3	0.5	16.1		W		W	2.8	90.3
Dolphin	KI061	131.3	134	0.5	18.5		W		W	2.7	100
Dolphin	KI061	134	136.3	0.5	21.7		W		W	2.3	100
Dolphin	KI061	136.3	138	0.5	29.4		W		W	1.7	100
Dolphin	KI061	138	141	0.5	16.7		W		W	3	100
Dolphin	KI061	141	143.5	0.5	20		W		W	2.3	92

Drill Log													
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description	
Dolphin V	KI062	0	8.5		nc								No core recovery, Rotary drill collar.
Dolphin V	KI062	8.5	22.5	Cgg	uv	Ch	G1		SP				Pale grey and green, medium grained basaltic feldspar-lithic volcanoclastic greywacke. Broken Core partially weathered.
Dolphin V	KI062	22.5	22.8	Dg	ap	si	W		SP				pale cream to white, fine grained qtz-feldspar aplitic dyke.
Dolphin V	KI062	22.8	25.7	Cgg	uv	Ch	G1		SP				Pale grey and green, medium grained basaltic feldspar-lithic volcanoclastic greywacke. Broken Core.
Dolphin V	KI062	25.7	31.2	Dg	ap	si	W		SP				pale cream to white, fine grained qtz-feldspar aplitic dyke.
Dolphin V	KI062	31.2	35.9	Cgg	uv	Ch	G1		SP				Pale grey and green, medium grained basaltic feldspar-lithic volcanoclastic greywacke. Strongly hornfelsed with chl after biotite spotting.
Dolphin V	KI062	35.9	36.3	Dg	ap	si	W		SP				pale cream to white, fine grained qtz-feldspar aplitic dyke.
Dolphin V	KI062	36.3	45.8	Cgg	uv	Ch	G1		SP				Pale grey and green, medium grained basaltic feldspar-lithic volcanoclastic greywacke. Strongly hornfelsed with chl after biotite spotting.
Dolphin V	KI062	45.8	46.5	Dg	ap	si	W		SP				pale cream to white, fine grained qtz-feldspar aplitic dyke.
Dolphin V	KI062	46.5	60.5	Cgg	bh	Bi	B4		Sp	Bd	85		Dark brown and green, medium to fine grained laminated basaltic volcanoclastic sst /sst turbidite. Pervasive biotite alteration with bands of green pyroxene. Minor nodules of grossular and dolomite.
Dolphin V	KI062	60.5	81	Cgg	bh	BiPx	B4		Sp	Bd	85		Dark Brown, medium to fine grained laminated basaltic volcanoclastic sst/sst turbidite. Pervasive biotite alteration with minor bands of pyroxene-grossular.
Dolphin V	KI062	81	89.1	Cgg	pgh	PxGa	G3		Sp				Banded green, orange and brown banded andradite-grossular-pyroxene-biotite skarn. Intensely metasomatised and hornfelsed. Trace scheelite mineralisation. Bands of dolomite
Dolphin V	KI062	89.1	89.4	Dg	ap	si	W		Sp				pale cream to white, fine grained qtz-feldspar aplitic dyke.
Dolphin V	KI062	89.4	90.4	Cgg	pgh	PxGa	G3		Sp		90		Banded green, orange and brown banded andradite-grossular-pyroxene-biotite skarn. Intensely metasomatised and hornfelsed. Trace scheelite mineralisation. Bands of dolomite
Dolphin V	KI062	90.4	94	Cgg	gh	Ga	B4		Sp				Banded dark brown crystalline andradite skarn, green pyroxene skarn and minor biotite hornfels. Intensely hornfelsed and metasomatised. 0.5 - 1.0% Scheelite.
Dolphin V	KI062	94	95.5	Cgg	pgh	PxGa	G3		Sp		90		Banded green, orange and brown banded andradite-grossular-pyroxene-biotite skarn. Intensely metasomatised and hornfelsed. Trace scheelite mineralisation.

Geotech Sheet											
Project	BHID	From	To	Recovery	% Recovery	Lithology	Weathering	Alteration	Strength	length>10cm	RQD%
Dolphin	KI062	0	8.5	0	0		W	Cy	W	0	0
Dolphin	KI062	8.5	9.2	0.6	85.7		W	Cy	M	0	0
Dolphin	KI062	9.2	13.1	1	25.6		W	Cy	M	0	0
Dolphin	KI062	13.1	15.2	1.6	76.2		W	Cy	M	0.2	9.52
Dolphin	KI062	15.2	16.7	0.8	53.3		W	Cy	M	0.5	33.3
Dolphin	KI062	16.7	18	0.4	30.8		W	Cy	M	0.2	15.4
Dolphin	KI062	18	18.9	0.2	22.2		W	Cy	M	0	0
Dolphin	KI062	18.9	20.2	0.8	61.5		W	Cy	M	0.3	23.1
Dolphin	KI062	20.2	21.2	0.7	70		W	Cy	M	0.2	20
Dolphin	KI062	21.2	22.7	1.4	93.3		F	Bi	S	0.8	53.3
Dolphin	KI062	22.7	23	0.3	100		F	Bi	S	0	0
Dolphin	KI062	23	24.2	0.8	66.7		F	Bi	S	0.2	16.7
Dolphin	KI062	24.2	26.2	2	100		F	Bi	S	0	0
Dolphin	KI062	26.2	27.2	1	100		F	Bi	S	0.5	50
Dolphin	KI062	27.2	30	1.7	60.7		F	Bi	S	0.3	10.7
Dolphin	KI062	30	31.2	1.2	100		F	Bi	S	0.4	33.3
Dolphin	KI062	31.2	32.6	1.4	100		F	Bi	S	0.3	21.4
Dolphin	KI062	32.6	34.9	2.3	100		F	Bi	S	0.9	39.1
Dolphin	KI062	34.9	35.7	0.3	37.5		F	Bi	S	0	0
Dolphin	KI062	35.7	37	1	76.9		F	Bi	S	0.4	30.8
Dolphin	KI062	37	39.1	2.1	100		F	Bi	S	0.5	23.8
Dolphin	KI062	39.1	39.9	0.8	100		F	Bi	S	0.4	50
Dolphin	KI062	39.9	40.7	0.8	100		F	Bi	S	0.5	62.5
Dolphin	KI062	40.7	42	1.3	100		F	Bi	S	0.7	53.8
Dolphin	KI062	42	43.2	1.2	100		F	Bi	S	0.4	33.3
Dolphin	KI062	43.2	45.1	1.9	100		F	Bi	S	1.8	94.7
Dolphin	KI062	45.1	46.2	1.1	100		F	Bi	S	0.3	27.3
Dolphin	KI062	46.2	50.2	4	100		F	Bi	S	3.2	80
Dolphin	KI062	50.2	53.2	3	100		F	Bi	S	2.8	93.3
Dolphin	KI062	53.2	55.1	1.9	100		F	Bi	S	1.7	89.5
Dolphin	KI062	55.1	56.5	1.4	100		F	Bi	S	0.8	57.1
Dolphin	KI062	56.5	58.9	2.4	100		F	Bi	S	1.7	70.8
Dolphin	KI062	58.9	61.8	2.9	100		F	Bi	S	2.9	100
Dolphin	KI062	61.8	63.1	1.3	100		F	Bi	S	1.1	84.6
Dolphin	KI062	63.1	64.8	1.7	100		F	Bi	S	1.6	94.1
Dolphin	KI062	64.8	67.9	3	96.8		F	Bi	S	1.4	45.2
Dolphin	KI062	67.9	69.1	1.2	100		F	Bi	S	1.2	100
Dolphin	KI062	69.1	72.1	3	100		F	Bi	S	3	100

Dolphin	KI062	72.1	75.1	3	100		F	Bi	S	3	100
Dolphin	KI062	75.1	77.6	2.5	100		F	Bi	S	2.4	96
Dolphin	KI062	77.6	78.3	0.7	100		F	Bi	S	0.2	28.6
Dolphin	KI062	78.3	81.1	2.8	100		F	Bi	S	2.8	100
Dolphin	KI062	81.1	84.1	3	100		F	Bi	S	3	100
Dolphin	KI062	84.1	86.2	2.1	100		F	Bi	S	2.1	100
Dolphin	KI062	86.2	86.5	0.3	100		F	Bi	S	0.3	100
Dolphin	KI062	86.5	89.6	3.1	100		F	Bi	S	3.1	100
Dolphin	KI062	89.6	92.7	3.1	100		F	Bi	S	3.1	100
Dolphin	KI062	92.7	93.5	0.8	100		F	Bi	S	0.8	100
Dolphin	KI062	93.5	96.1	2.6	100		F	Bi	S	2.6	100
Dolphin	KI062	96.1	96.6	0.5	100		F	Bi	S	0.5	100
Dolphin	KI062	96.6	99.1	2.5	100		F	Bi	S	2.5	100
Dolphin	KI062	99.1	104.9	5.8	100		F	Bi	S	5.6	96.6
Dolphin	KI062	104.9	108	3.1	100		F	Bi	S	3	96.8
Dolphin	KI062	108	108.5	0.5	100		F	Bi	S	0.4	80
Dolphin	KI062	108.5	111.1	2.6	100		F	Bi	S	2.6	100
Dolphin	KI062	111.1	114.1	3	100		F	Bi	S	3	100
Dolphin	KI062	114.1	117.1	3	100		F	Bi	S	3	100
Dolphin	KI062	117.1	119.9	2.8	100		F	Bi	S	2.8	100
Dolphin	KI062	119.9	122.9	3	100		F	Bi	S	3	100
Dolphin	KI062	122.9	125.7	2.8	100		F	Bi	S	2.6	92.9
Dolphin	KI062	125.7	127.8	2.1	100		F	Bi	S	1.7	81
Dolphin	KI062	127.8	129.1	2.3	177		F	Bi	S	2.3	177
Dolphin	KI062	129.1	131.2	2.1	100		F	Bi	S	2.1	100

Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
Dolphin V	KI063	0	9.5		nc							No core recovery, Rotary drill collar.
Dolphin V	KI063	9.5	13.8	Cgg	uv	cy	A3	0		Bd	90	Partially weathered basaltic volcanics. Dark Grey and weathered orange layered basaltic lithic volcanic sediments.
Dolphin V	KI063	13.8	32.3	Cgg	uv	Ch	G1		Ft			Massive pale grey-green, medium grained feldspar-pyroxene gabbro? Possibly Massive hornfelsed basaltic sandstone. Faulted with clay pug zones.
Dolphin V	KI063	32.3	39.1	Cgg	bh	Bi	B4		Sp	Bd	80	Dark Brown, medium to fine grained laminated basaltic volcanoclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI063	39.1	41.5	Cgg	bh	BiPx	B4		Sp	Bd	85	Dark Brown, medium to fine grained laminated basaltic volcanoclastic sst/sslt turbidite. Pervasive biotite alteration with bands of pyroxene-grossular.
Dolphin V	KI063	41.5	46.8	Cgg	pgh	GtPx	B4		Sp	Bd	85	Dark green, medium to fine grained laminated basaltic volcanoclastic sst/sslt turbidite. Pervasive pyroxene alteration with bands of biotite-grossular and minor andradite. Coarse molybdenite. Minor scheelite mineralisation.
Dolphin V	KI063	46.8	50.6	Cgg	pgh	PxGa	G3		Ft	Bd	85	Mottled green orange and white banded grossular-pyroxene-biotite skam. Bands of grey dolomite. Minor scheelite mineralisation.
Dolphin V	KI063	50.6	60	Cgg	bh	Bi	B4		Sp	Bd	80	Dark Brown, medium to fine grained laminated basaltic volcanoclastic sst/sslt turbidite. Pervasive biotite alteration with sparse green pyroxene bands.
Dolphin V	KI063	60	67.5	Cgg	ch	Ca	A1		Ft	Bd	80	Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI063	67.5	67.7		f	Cy	A2		Ft			Puggy talcy fault
Dolphin V	KI063	67.7	74.9	Cgg	ch	Ca	A1		Ft	Bd	80	Pale grey laminated dolomite/mable. Hornfelsed and recrystallised.
Dolphin V	KI063	74.9	75		f	Cy	A2		Ft			Puggy talcy fault
Dolphin V	KI063	75	80.7	Cgg	mv	BiPx	B4		Sp	Bd	70	Coarse grained, polymict basaltic lithic volcanoclastic breccia. Clasts of basalt, dolomite and chert. Pervasive biotite alteration. Strongly hornfelsed and metasomatised.
Dolphin V	KI063	80.7	85.3	Cgg	pgh	PxGa	G3		Ft			Mottled green orange and white banded grossular-pyroxene-biotite skam.. Bands of grey dolomite. Minor scheelite mineralisation.
Dolphin V	KI063	85.3	86.8	Cgg	mv	BiPx	B4		Sp	Bd	70	Coarse grained, polymict basaltic lithic volcanoclastic breccia. Clasts of basalt, dolomite and chert. Pervasive biotite alteration. Strongly hornfelsed and metasomatised.

Geotech Sheet											
Project	BHID	From	To	Recovery	% Recovery	Lithology	Weathering	Alteration	Strength	length>10cm	RQD%
Dolphin	KI063	0	9.5	0	0		W		W	0	0
Dolphin	KI063	9.5	11.2	0.8	47.1		W		W	0	0
Dolphin	KI063	11.2	12.4	0.8	66.7		F		S	0	0
Dolphin	KI063	12.4	14.1	1	58.8		F		S	0.4	23.5
Dolphin	KI063	14.1	15.1	1	100		F		S	0	0
Dolphin	KI063	15.1	15.8	0.7	100		F		S	0	0
Dolphin	KI063	15.8	16.7	0.7	77.8		F		S	0	0
Dolphin	KI063	16.7	18.4	1.1	64.7		F		S	0	0
Dolphin	KI063	18.4	20.1	1.7	100		F		S	0.5	29.4
Dolphin	KI063	20.1	21.4	1.3	100		F		S	0.5	38.5
Dolphin	KI063	21.4	22.9	1.5	100		F		S	1.1	73.3
Dolphin	KI063	22.9	24.4	1.5	100		F		S	0.7	46.7
Dolphin	KI063	24.4	25.9	1.1	73.3		F		S	0.3	20
Dolphin	KI063	25.9	28.9	3	100		F		S	2.1	70
Dolphin	KI063	28.9	29.9	0.7	70		F		S	0.4	40
Dolphin	KI063	29.9	30.7	0.8	100		F		S	0.6	75
Dolphin	KI063	30.7	31.7	1	100		F		S	0.4	40
Dolphin	KI063	31.7	33.2	1.5	100		F		S	1.2	80
Dolphin	KI063	33.2	34.1	0.9	100		F		S	0.9	100
Dolphin	KI063	34.1	34.5	0.4	100		F		S	0.4	100
Dolphin	KI063	34.5	36.3	1.7	94.4		F		S	1.7	94.4
Dolphin	KI063	36.3	38.3	1.8	90		F		S	1.8	90
Dolphin	KI063	38.3	38.9	0.1	16.7		F		S	0.1	16.7
Dolphin	KI063	38.9	39.6	0.2	28.6		F		S	0.2	28.6
Dolphin	KI063	39.6	40.4	0.1	12.5		F		S	0.1	12.5
Dolphin	KI063	40.4	41.3	0	0		F		S	0	0
Dolphin	KI063	41.3	44.3	2.8	93.3		F		S	2.8	93.3
Dolphin	KI063	44.3	45.3	1	100		F		S	1	100
Dolphin	KI063	45.3	46.1	0.6	75		F		S	0.6	75
Dolphin	KI063	46.1	48.3	2	90.9		F		S	2	90.9
Dolphin	KI063	48.3	51.3	2.8	93.3		F		S	2.8	93.3
Dolphin	KI063	51.3	54.3	3	100		F		S	2.9	96.7
Dolphin	KI063	54.3	56.1	1.8	100		F		S	1.5	83.3
Dolphin	KI063	56.1	57.3	1.2	100		F		S	0.7	58.3
Dolphin	KI063	57.3	60.3	3	100		F		S	2.7	90
Dolphin	KI063	60.3	63.3	3	100		F		S	2.9	96.7
Dolphin	KI063	63.3	66.3	3	100		F		S	2.6	86.7
Dolphin	KI063	66.3	69.3	3	100		F		S	2.5	83.3
Dolphin	KI063	69.3	72.3	3	100		F		S	2.9	96.7
Dolphin	KI063	72.3	75.3	3	100		F		S	2.7	90
Dolphin	KI063	75.3	78.3	3	100		F		S	2.8	93.3
Dolphin	KI063	78.3	81.3	3	100		F		S	3	100
Dolphin	KI063	81.3	83.8	2.6	104		F		S	2.5	100
Dolphin	KI063	83.8	84.3	0.7	140		F		S	0.7	140
Dolphin	KI063	84.3	87.3	3	100		F		S	2.5	83.3
Dolphin	KI063	87.3	87.8	0.5	100		F		S	0.1	20
Dolphin	KI063	87.8	90.3	2.5	100		F		S	2.4	96
Dolphin	KI063	90.3	93.3	3	100		F		S	3	100
Dolphin	KI063	93.3	94.4	1.1	100		F		S	1.1	100
Dolphin	KI063	94.4	96.3	1.9	100		F		S	1.9	100
Dolphin	KI063	96.3	99.1	2.8	100		F		S	2.8	100
Dolphin	KI063	99.1	101.8	2.7	100		F		S	2.7	100

