Tim Callaghan – Resource and Exploration Geology
3 Main Rd Penguin 7318 ph. 0428 888 896 email: timcallaghan@netspace.net.au
ABN 50886857181

EL19/2001

INVESTIGATOR 21 AND INVESTIGATOR 22

EDGI FINAL REPORT, 2023

KING ISLAND

NW TASMANIA

Tim Callaghan

July 2023

EXECUTIVE SUMMARY

EL19/2001 is an integral component of the tenement package required for the development of the King Island Scheelite Project, owned by Group 6 Metals (G6M). The 63km^2 EL covers a 9km 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.

This report is the Final Report on exploration drilling at the Investigator 24 and Investigator 22 sites as part of the Tasmanian State Government co-funded Exploration Drilling Grant Initiative (EDGI), Round 7.

Two diamond drillholes, KI 111 (329.4m) and KI 112 (350.3m) were completed on the Investigator 24 Site and one diamond drillhole KI 113 (152.7m) was completed at the Investigator 22 site.

All three holes intersected the full mine sequence including B Lens and C Lens above the Grassy Granite. Significant calc-silicate skarn metasomatism was present in all three holes with patchy trace to low grade scheelite mineralisation identified under UV light. Late phase aplite and pegmatite dykes with associated molybdenite-chalcopyrite-pyrrhotite and distal scheelite highlight the fertility of the granite in this area.

Analyses for all drill holes confirm observed low to moderate grade scheelite mineralisation associated with the skarn with a best intercept of 2.0m @ 0.3% WO_3 from 260.5m from KI 111 and 1.0m @ 0.6% WO3 from 141.5m in KI 113.

KI 111 contained scheelite within the intensely weathered surface clay and soil included a 1.0m intercept of 3.8% WO_3 from 3.2m depth. The weathered zone had poor recoveries. It is unclear if this is regolith or a surficial lag.

These initial exploration holes have successfully identified mine sequence rocks with mineralisation and require future follow up drilling to further test these areas. There is sufficient space for the western margin of the Grassy Granite to host Bold Head sized mineralisation. A series of structural-stratigraphic drillholes on 200m spaced sections with 100m spaced drillholes on each section are recommended as first pass exploration on the western margin of the granite. The drilling program should help identify stratigraphic offsets due to faults forming possible conduits for mineralisation.

CONTENTS

LIST OF FIGURES

LIST OF TABLES

1 INTRODUCTION

This report details exploration drilling activities co-funded by Round 7 of the Tasmanian State Government Exploration Drilling Grant Initiative (EDGI) completed on EL19/2001, Grassy, King Island between January 2023 and April 2023.

The King Island Scheelite Project is located in the southeastern corner of King Island, Tasmania (Figure 1). Project tenure includes a Mine Lease (2080P/M), and an Exploration License (EL19/2001). The tenements are held by Australian Tungsten Pty Ltd, a wholly owned subsidiary of Group 6 Metals (G6M) a public company listed on the Australian Securities Exchange.

The Dolphin Mine located on 2080P/M 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 1992, 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.

G6M completed a revised feasibility study in 2020, proposing to extend the historic Dolphin Open Cut, eastward to recover remnant ore from the historic underground operation. On completion of the proposed Dolphin OC, a further 6 years of underground (UG) mining is planned from ore resources between -140 m RL to -300 m RL extending total project life to 14 years. In addition to the proposed mining developments, the project requires the construction of a gravity process plant, supplemented by a concentrate dressing circuit, together with mine infrastructure. Mill construction commenced in January 2022 after full funding was completed in December 2021.

G6M are currently in the construction and commissioning phase of the Dolphin Scheelite project with production expected to commence in the second quarter of 2023.

Table 1. King Island Scheelite Project Resource

	MTonnes	WO_3	Tonnes WO_3
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	**1.76**	**0.91**	**16,080**
Total	**11.36**	**0.90**	**102,480**

EL19/2001 is prospective for similar granite related tungsten skarns on the periphery of the Grassy Granite where it is in contact with the lower Grassy Group. Historical exploration including regional mapping, geochemistry and stratigraphic drilling has identified a 9km strike length of the prospective Grassy Group-Grassy Granite contact that requires exploration drilling (Figure 1). The Investigator 24 site had only one incomplete diamond drill hole completed in 1974. Historic exploration of the Investigator 22 site included only one exploration hole completed 600m north of

Investigator 21 in 1975 (Brown, 1975).

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.

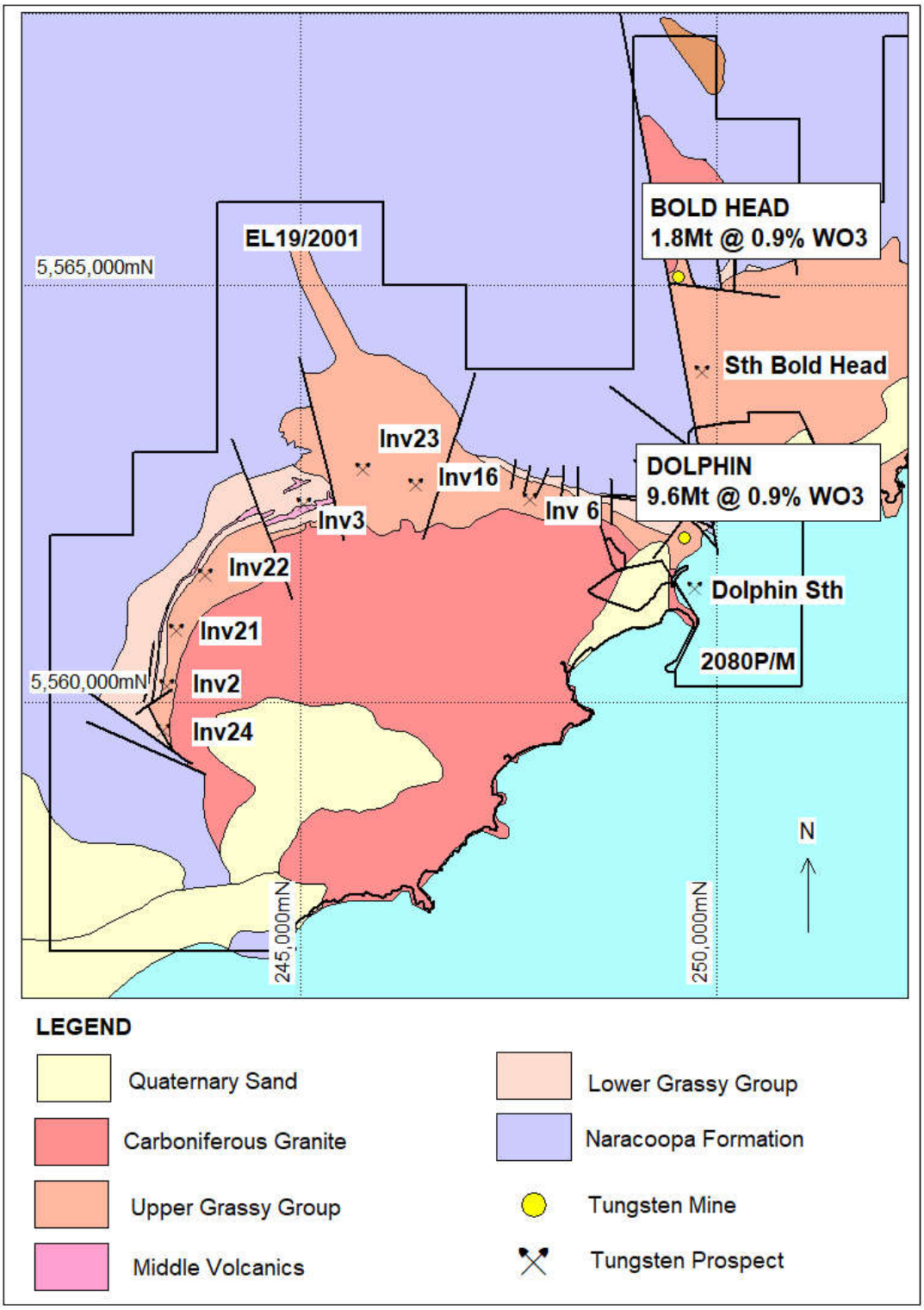

Figure 1. King Island Project Geology, Tenements and Major Prospect Locations.

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 windblown Pleistocene to Recent sand cover. The Proterozoic Geology of the eastern half of the island (hosting the Bold Head and Dolphin WO_3 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) postdating 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 volcaniclastic interbeds.

Grimes Intrusive Suite - Gabbroic intrusive sills of andesitic composition.

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

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

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

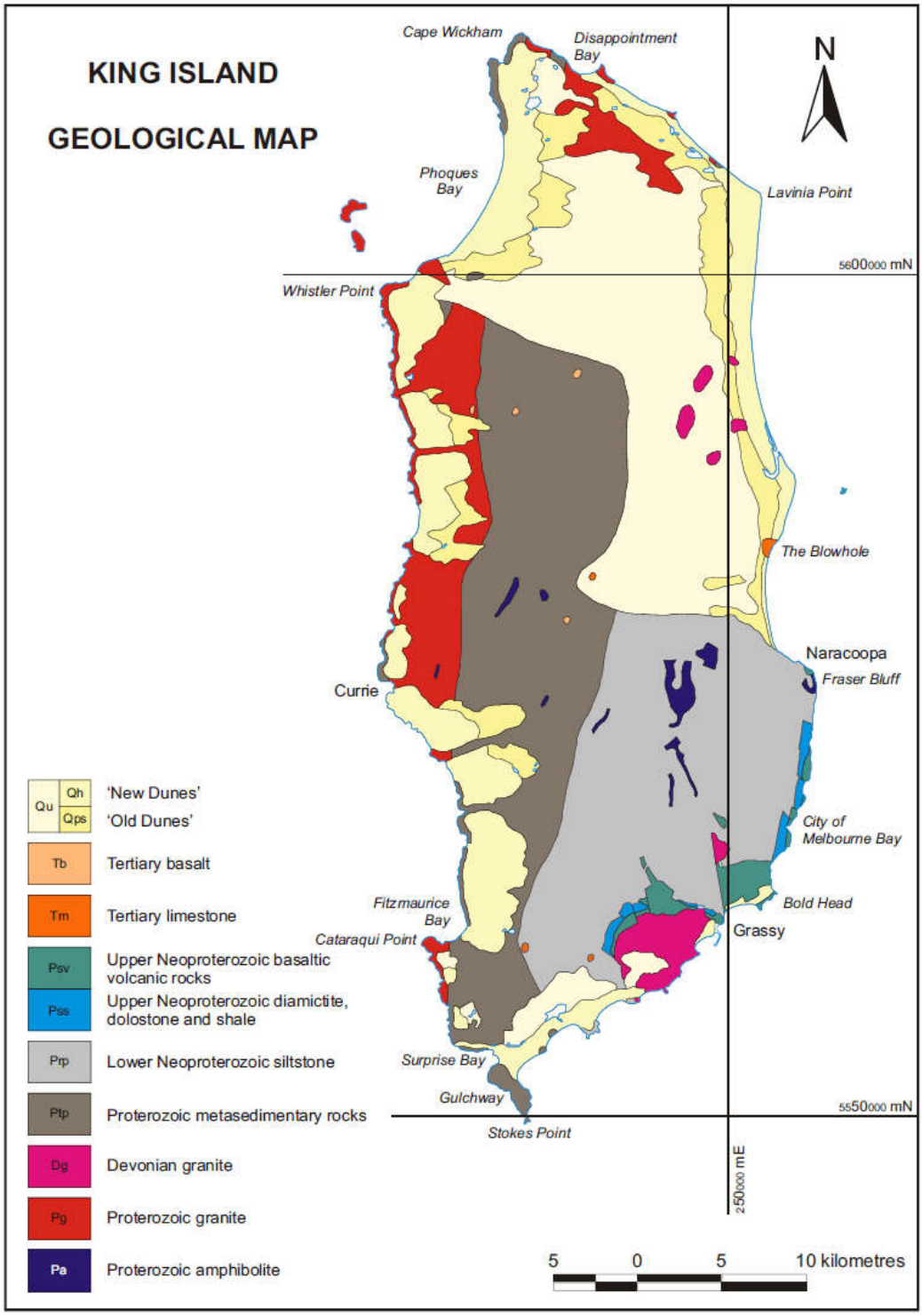

Figure 2. Regional Geology of King Island, (Calver 2007). Coordinates GDA94.

Three granite bodies, the Sand Blow (Grassy Granite), 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±1.7Ma, Black et al), separated by the N-S trending Grassy River Fault (Figures 1 and 2).

The Bold Head and Grassy Granites are 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. Late stage

aplite, laminated granitic and pegmatite dykes and greisens are common features on the periphery near mineralisation.

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 3). 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.

Regional geological mapping and wide spaced exploration drilling completed by historical mine operator Geopeko in the 1980's identified a 9km strike length of geology prospective for scheelite mineralisation on the periphery of the Grassy Granodiorite (Figure 1). Much of the prospective area remains to be drill tested.

The primary objective of G6M's initial drilling is to test the Lower Grassy Group formation which hosts the world class tungsten resources at Dolphin and Bold Head.

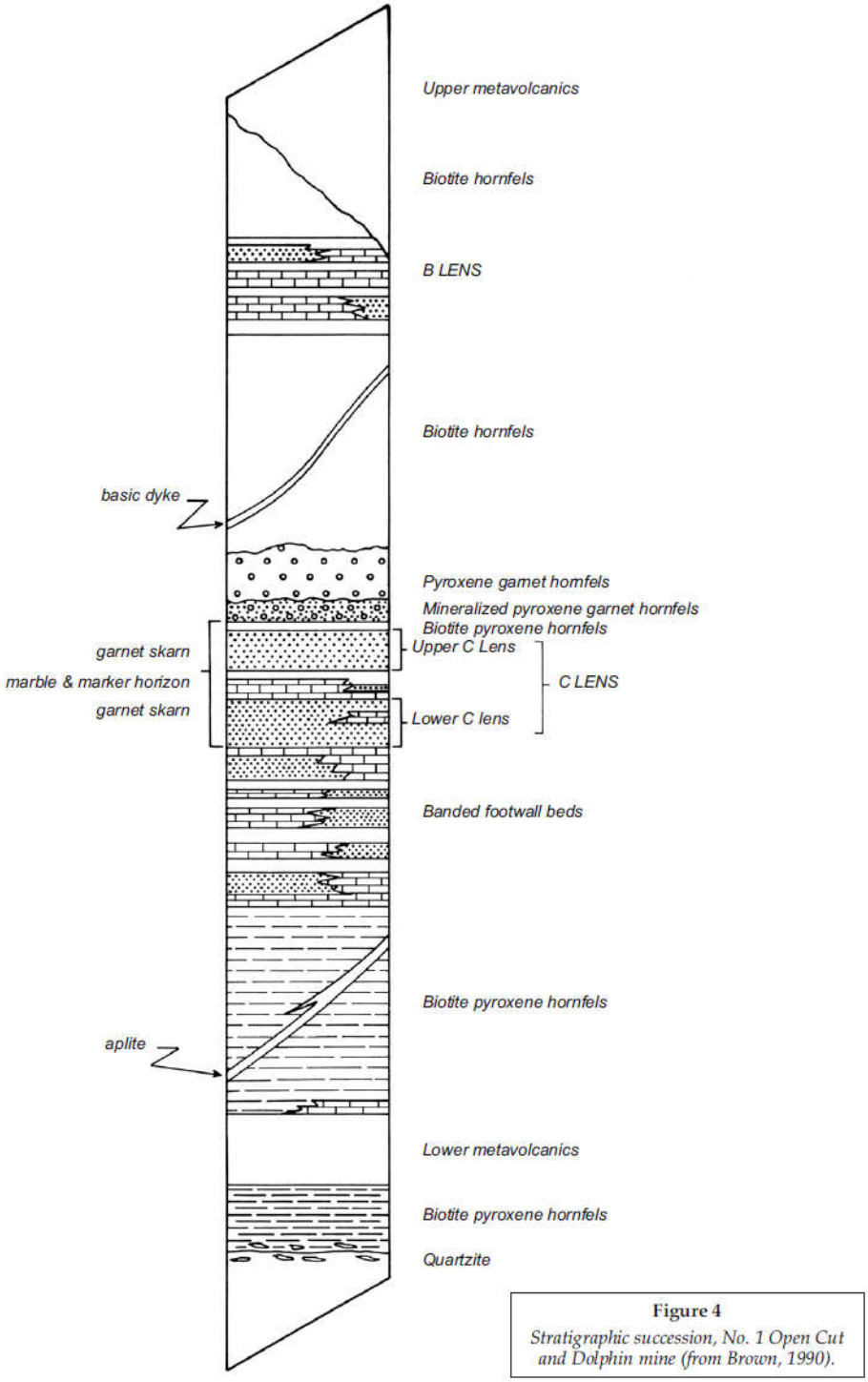

Figure 3. Stratigraphic column of the Grassy Group host sequence in the Grassy open cut (from Brown, 1990). The sequence is very similar to the Bold Head sequence 3km north.

3 PREVIOUS EXPLORATION

Very little exploration has occurred since the mid 1980's on the area covered by EL19/2001. Previous regional and prospect exploration work was completed by Geopeko Ltd on EL15/1966 and EL21/1978 in the 1970's and 1980's (Brown, 1975, Brown 1981). Geopeko completed comprehensive first pass exploration including mapping, soil sampling, auger sampling, gravity and magnetic surveys and regional stratigraphic percussion and diamond drilling (Brown, 1975). The Bold Head Deposit was discovered by Geopeko Ltd in 1968 following a soil sampling program.

Geopeko's work identified several advanced prospects including the Bold Head Mine, Investigator 2, Investigator 21 and Investigator 3, drilling a number of drillholes intersecting mineralised skarn. Numerous other targets, including Investigator 24 and Investigator 22 described in this report have had only wide spaced and incomplete (1km) percussion or diamond drill holes testing the stratigraphy. Brown (1981) also identified conceptual targets such as the South Bold Head prospect (Figure 1).

All the historic data and maps are located as hard copy reports and figures based on the original ISG grid. Collation of historic data, digitization, transformation to GDA format, geological modelling and initial targeting by KIS/G6M commenced in 2017 and is ongoing.

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.

KIS completed exploration drilling at the Investigator 21 and Investigator 2 Prospects in 2018 (Callaghan, 2018), completing 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 an exploration target in the order of 0.5-2.0Mt @ 0.5-0.7% WO_3. Mineralisation remains open and further infill and extension drilling is required.

The success of this initial drilling only highlights the extensive, untested area to the south towards Investigator 24 and north towards Investigator 22.

The Bold Head Mine, located on EL19/2001 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 2019 (Callaghan, 2019). The resource estimation was completed after a diamond drilling program in 2014 and includes the latest drilling data. A new Reserve Estimation and Feasibility Study are currently in progress. An ML application has been submitted for the Bold Head area.

The prospects on the periphery of the western Grassy Granite have the potential to host Bold Head sized deposits (2-4Mt @ 0.8 – 1.0% WO_3).

4 WORK COMPLETED 2023

G6M contracted Spaulding's Drilling services to complete a limited diamond drilling program testing the Investigator 24 and Investigator 22 Prospects. The Drill Rig was mobilised in mid-January 2023 and completed the three holes by mid-April 2023.

Spaulding's supplied a track mounted diamond drill rig with a light truck for support. All three drill sites were located on grazing land owned by the late Neil Burgess, who provided permission for the program. Water was supplied from farm dams and recirculated from sumps excavated by earth moving contractor Rab Denby.

All mineralised intercepts were drilled as NQ diamond core with good recoveries from the un-weathered skarn mineralisation.

Drill collars were surveyed by licensed surveyors with a differential GPS. Downhole surveys were completed with a devi-shot downhole survey tool.

Drill core was logged in the G6M core facility in Grassy. All core is being shipped to Mineral Resources core library in Mornington, Tasmania. 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 sampled on 1m lengths while respecting geological boundaries. Drill core was bagged on site, sealed in poly-weave bags and sent to ALS Laboratories in Burnie for analysis. Samples will be analysed for WO_3, Sn, Mo and Cu by fusion disc XRF. Results have been received for the first hole (KI 111) but are pending for the remaining two holes at the time of reporting.

Full drill logs are located in Appendix 1 and in digital files associated with this report.

Table 2. Drill Collar Details

BHID	East_GDA	North_GDA	RL	Length m	Dip	Azm
KI111	243292.9	5559996.4	127.5	329.4	-60	270
KI112	243258.7	5559858.2	126.1	350.3	-80	270
KI113	243430.3	5561056.1	142.8	152.7	-80	270

4.1 INVESTIGATOR 24

The Investigator 24 Prospect is located over 6km west of the Dolphin and Bold Head deposits (Figures 1). Only one incomplete diamond drillhole has been drilled in the locality in the mid 1970's within an area of almost 1km strike length (Figure 4).

Two, 200m spaced diamond holes, KI 111 and KI112 were designed to test the Grassy Group adjacent to the western margin of the Grassy Granite. Drill targets were interpreted from Geopeko maps and models projected southwards from Investigator 2, 1km to the north (Figure 4).

Drill holes KI 111 and KI 112 are the first holes in the Investigator 24 area for almost 50 years and the first to intersect the full mine sequence.

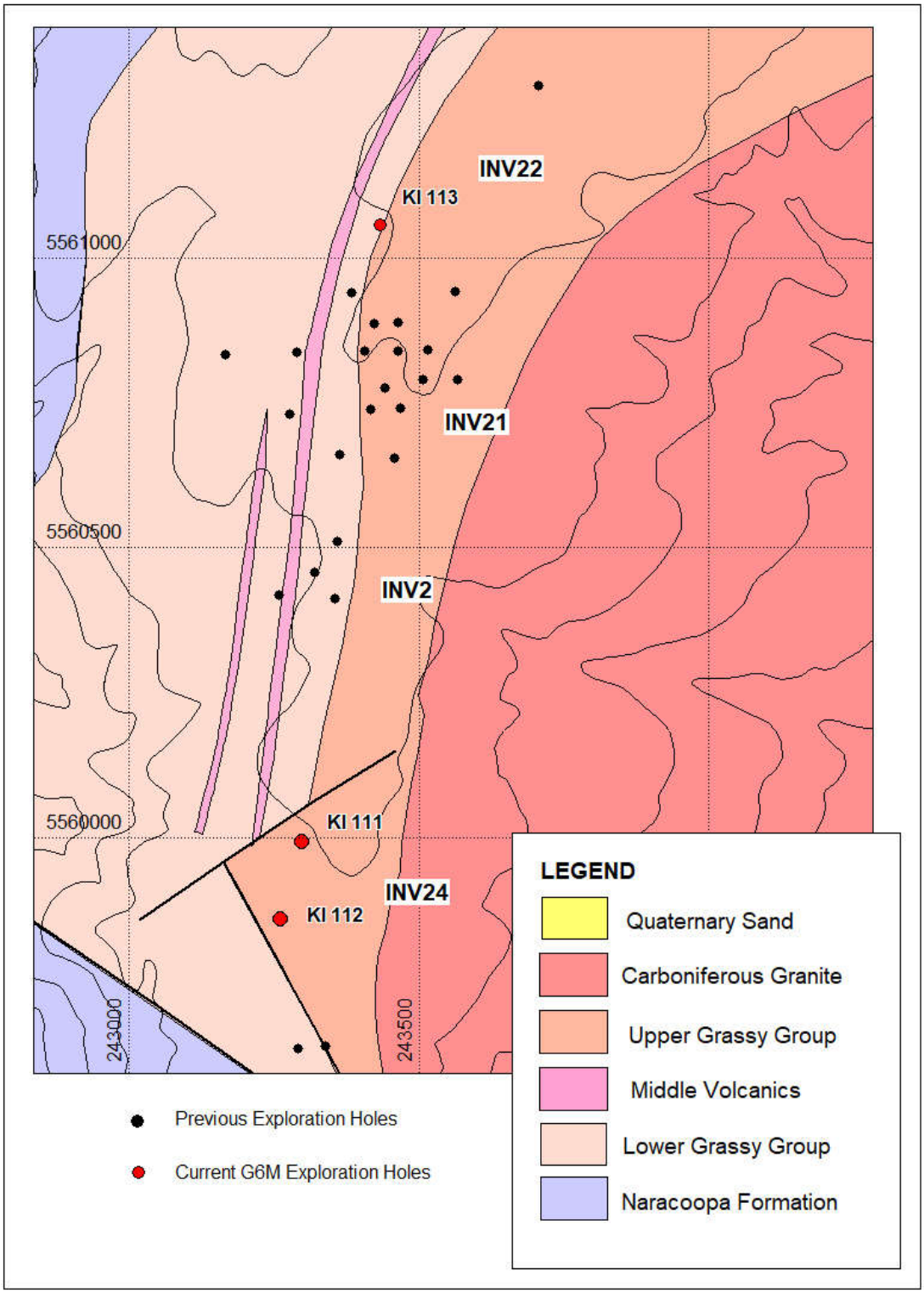

Figure 4. Interpretive geology of Investigator 24 to 22 with drill hole locations

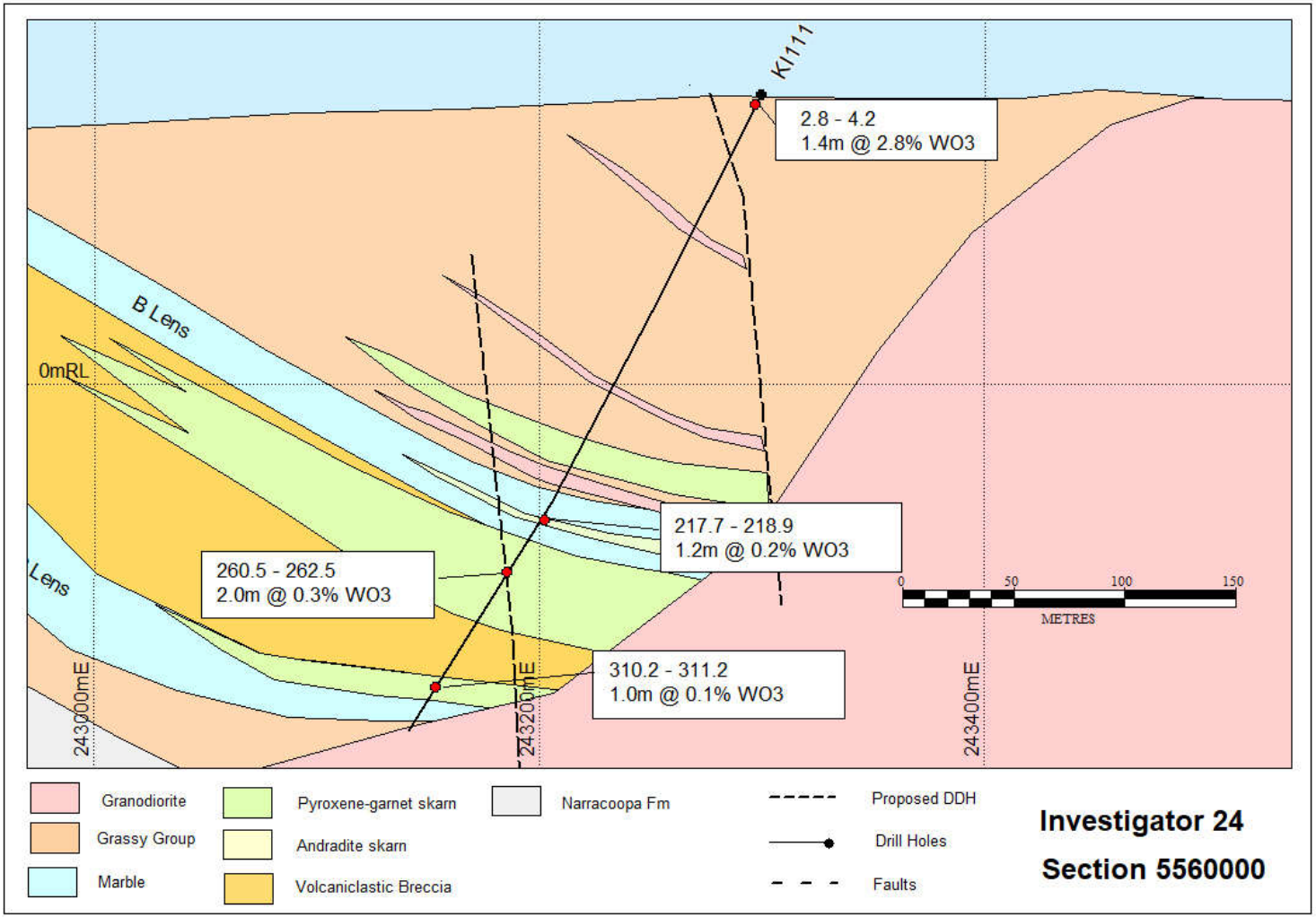

Figure 5. Section 5,560,000N, KI 111, Investigator 24

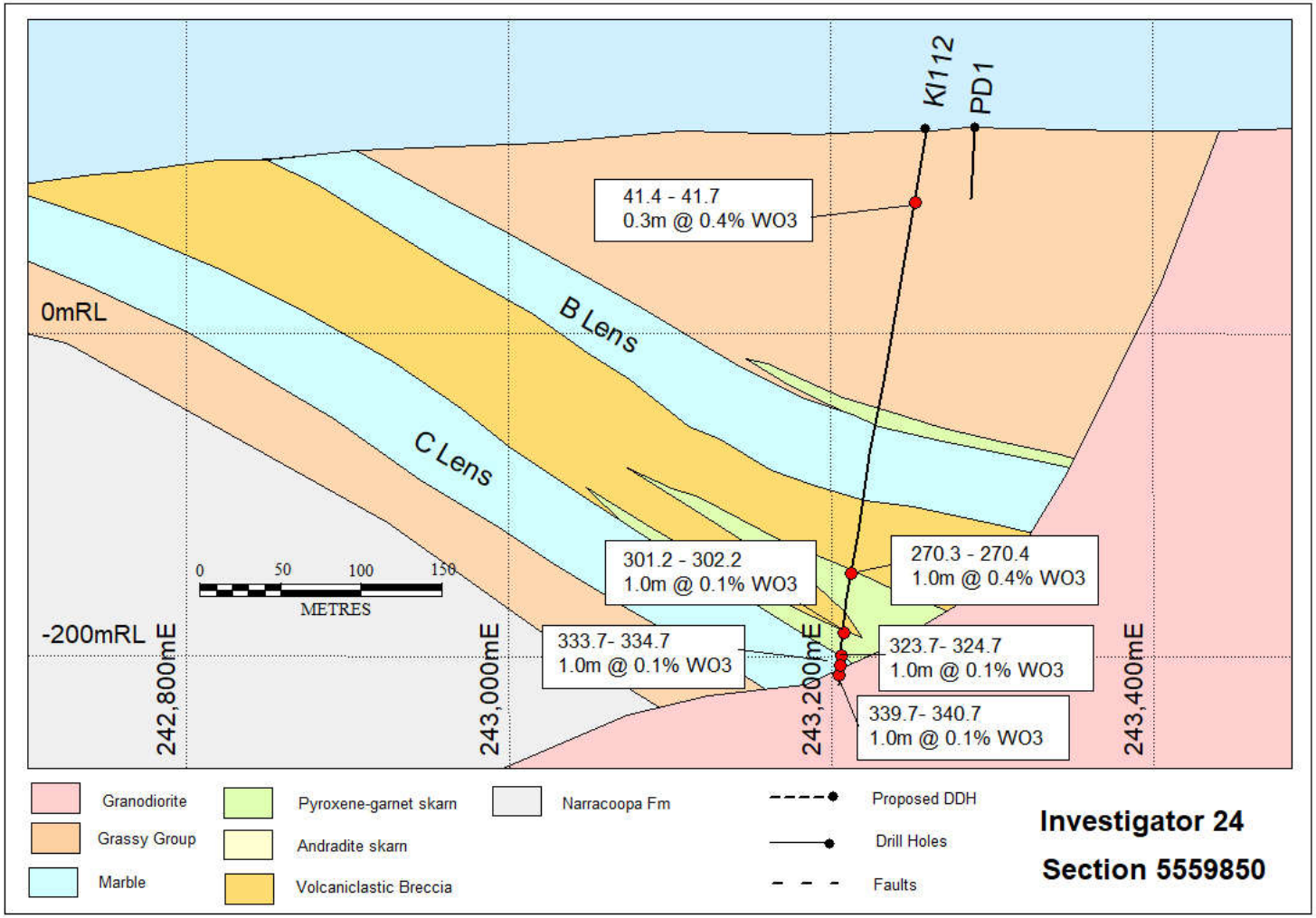

Figure 6. Section 5,559,850N, KI 112, Investigator 24

Both holes intersected the host B lens and C lens dolomite horizons and associated pyroxene-garnet calc-silicate skarn adjacent to the Grassy Granodiorite (Figures 5 and 6).

KI 111

Summary Log KI 111

0 – 4.7m	Soil and clay with some heavy (scheelite) mineral sand.
4.7 – 175.4	Upper Grassy Group Volcanics
175.4 – 202.2	Pyroxene-garnet and biotite skarn in upper B lens
202.2 – 225.7	B Lens
225.7 – 316.9	Polymict breccia, variable pyroxene-garnet and biotite skarn
316.9 – 322.9	C Lens
322.9 – 324.6	Lower volcanics
324.6 – 329.4	Adamellite/granite

KI 111 ended in the Grassy Granodiorite at a depth of 329.4m. Skarn mineralisation has been observed in the drill core with low grade scheelite mineralisation confirmed visually under ultraviolet light within the skarn (Figures 7 and 8). Assay results confirm the low-grade skarn mineralisation.

Low-grade scheelite skarn mineralisation associated with calc-silicate skarn was intercepted in KI 111 including:

KI 111 153.7 – 154.7m 1.0m @ 0.1% WO_3
KI 111 217.7 – 218.9m 1.2m @ 0.2% WO_3
KI 111 260.5 – 262.5m 2.0m @ 0.3% WO_3
KI 111 310.2 – 311.2m 1.0m @ 0.1% WO_3

At the top of KI 111 in the intensely weathered orange clay significant scheelite mineralisation was observed between 3.2 and 4.2m grading 3.8% WO_3.

KI 111 3.2 – 4.2m 1.0m @ 3.8% WO_3

Core recoveries were poor from the weathered zone and geological implications of this intercept are as yet unclear as to whether it is mineralised regolith or a heavy mineral lag deposit. Further aircore or auger drilling is recommended.

KI 112

Summary Log KI 112

0 - 2.5m	Soil and clay.
2.5 - 166.0	Upper Grassy Group Volcanics
166.0 - 187.0	Pyroxene-garnet and biotite skarn in upper B lens
187.0 - 234.8	B Lens
234.8 - 303.2	Polymict breccia, variable pyroxene-garnet and biotite skarn
303.2 - 344.6	C Lens
344.6 - 350.3	Adamellite/granite

Drill hole KI 112 also passed through the entire mine sequence from the Upper Grassy Group volcanics through to C Lens before ending in the granite at 350.3m (Figure 6). Calc-silicate skarn mineralisation has been observed in the drill core with

low grade scheelite mineralisation confirmed visually under ultraviolet light within the skarn. Low grade assay results were returned including:

41.4 - 41.7 0.3m @ 0.4% WO_3
270.4 - 270.9 0.5m @ 0.4% WO_3
301.2 - 302.2 1.0m @ 0.1% WO_3
323.7 - 324.7 1.0m @ 0.1% WO_3
333.7 - 334.7 1.0m @ 0.1% WO_3
339.7 - 340.7 1.0m @ 0.2% WO_3

.

Figure 7. KI 111, 261.5m garnet-pyroxene skarn ultraviolet light.

4.2 INVESTIGATOR 21 - 22

The Investigator 22 Prospect is located over 6km west of the Dolphin and Bold Head deposits (Figures 1) and 0.5km north of the Investigator 21 prospect. One incomplete diamond drillhole has been previously drilled at Investigator 22 in the mid 1970's within an area of almost 1km strike length (Figure 4).

Drill hole KI 113 was designed to test the Grassy Group between Investigator 21 and Investigator 22 where there is a gap of over 500m. The hole is adjacent to the western margin of the Grassy Granite with the target were interpreted from Geopeko maps and models projected north from Investigator 21 (Figure 4).

The hole intersected the host B lens and possibly C lens dolomite horizons. C Lens, if intersected was much thinner than in the holes to the south, with the stratigraphic thickness of all units in general much thinner in this area.

KI 113

Summary Log KI 113

0 - 8.7m	Soil and clay.
8.7 - 64.	Upper Grassy Group Volcanics
64.2 - 87.0	B lens dolomite and minor skarn
87.0 - 120.1	Polymict breccia, variable pyroxene-garnet and biotite skarn
120.1 - 122.9	C Lens?? Garnet skarn and dolomite.
122.9 - 143.5	Laminated pyroxene-garnet-biotite and dolomite
143.5 - 152.7	Adamellite/granite

KI 113 ended in the Grassy Granodiorite at a depth of 152.7m. Skarn mineralisation has been observed in the drill core with low grade scheelite mineralisation confirmed visually under ultraviolet light within the skarn associated with a thin C Lens? garnet skarn and pyroxene-garnet skarn in the banded footwall beds. It is not certain if C Lens was intercepted but the change from polymict volcaniclastic breccia to laminated volcaniclastic siltstone and dolomite suggests it was(Figure 8). Assay results were low grade but encouraging with a best intercept of 1m @ 0.6% WO_3 from 141.5m.

Pegmatite-aplite dykes with disseminated molybdenite-chalcopyrite-pyrrhotite were present close to the granite contact and closely associated with minor scheelite mineralisation in nearby skarn.

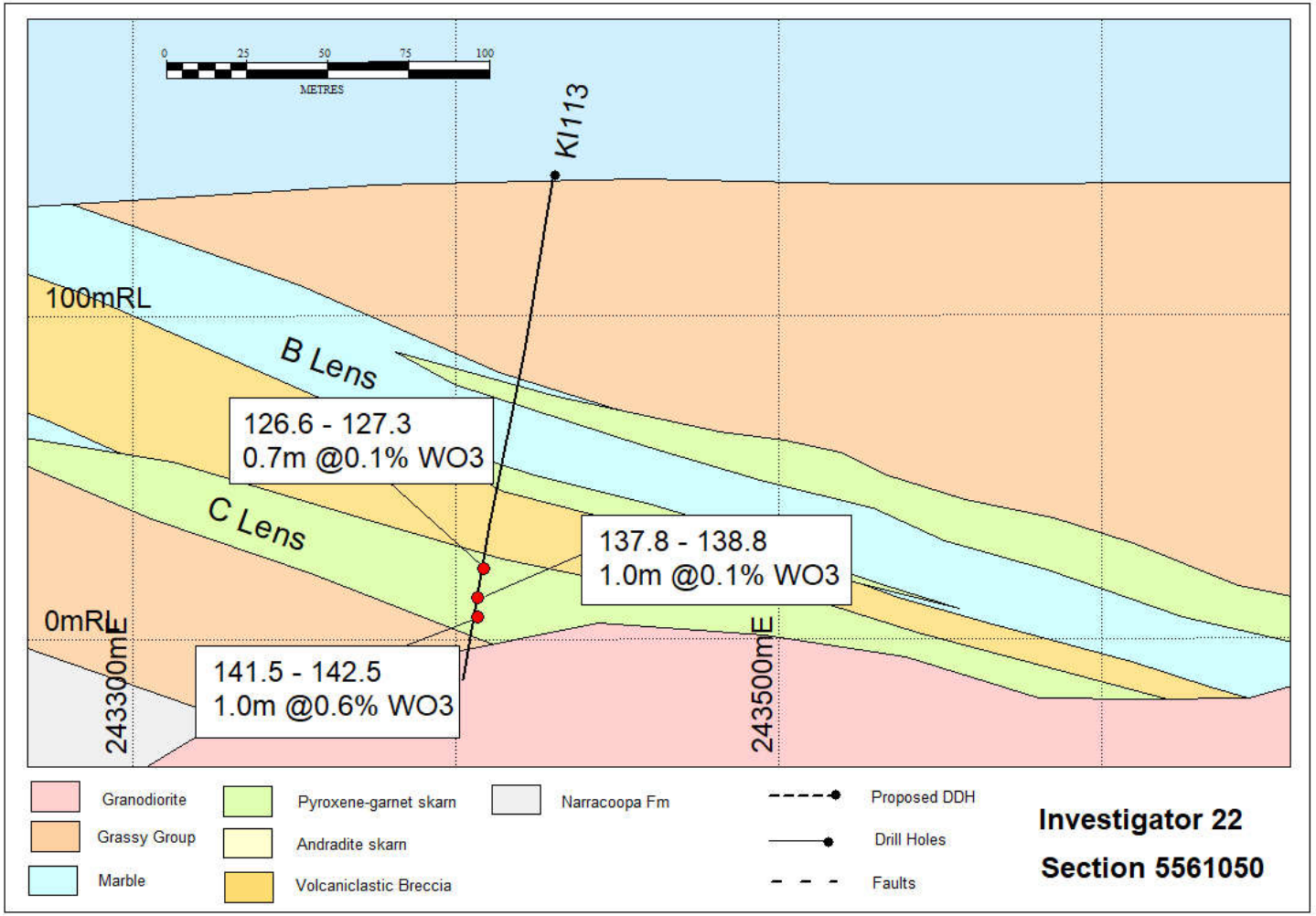

Figure 8. Section 5,561,050N, KI 113, Investigator 22

5 DISCUSSION

Mineralisation at Investigator 24 and Investigator 22 is directly analogous to the Dolphin and Bold Head deposits, hosted in the same calcareous volcaniclastic sediments near the base of the Grassy Group where they are in close proximity to the Grassy Granodiorite. All three holes intersected aplite and pegmatite dykes with molybdenite, chalcopyrite and associated distal skarn related scheelite, highlighting the prospectivity and fertility of the granite.

There are significant variations in the volcanic stratigraphy over the 2km strike length between Investigator 24 and Investigator 22 with the thickness of the middle Grassy Group volcaniclastic breccia and both dolomite horizons increasing to the south. The Lower Grassy Group is significantly deeper at Investigator 24 than Investigator 2 suggesting a fault or fold between the two.

Granite morphology demonstrates a consistent shelf with the Grassy Group forming a roof pendant over the underlying granite, a similar structural setting to both Bold Head and Dolphin.

The 5-800m of prospective area south of Investigator 2 remains largely untested by drilling. KI 112 and KI 113 provide significant encouragement to continue exploration of this area. Ideally 100m spaced structural-stratigraphic drilling on 200m sections is recommended to assess the area and provide information to determine the presence of faulting through variations in stratigraphic levels.

A similar approach is recommended for Investigator 22 with 200m spaced 100m spaced structural-stratigraphic drill holes.

A realistic exploration target is the equivalent of Bold Head, or several Bold Head size deposits in the 3km x 0.5km area on the western granite margin. The mineralisation at Dolphin and Bold Head is strongly localised around major fault structures. Bold Head mineralisation extends only 50-70m in width around the No2 and Boundary Faults but contains a significant tonnage of high grade scheelite (Figure 9).

The detail of offsets in the structural-stratigraphic setting of the shallow dipping volcaniclastics and shelving granite can only be resolved with closer spaced drilling.

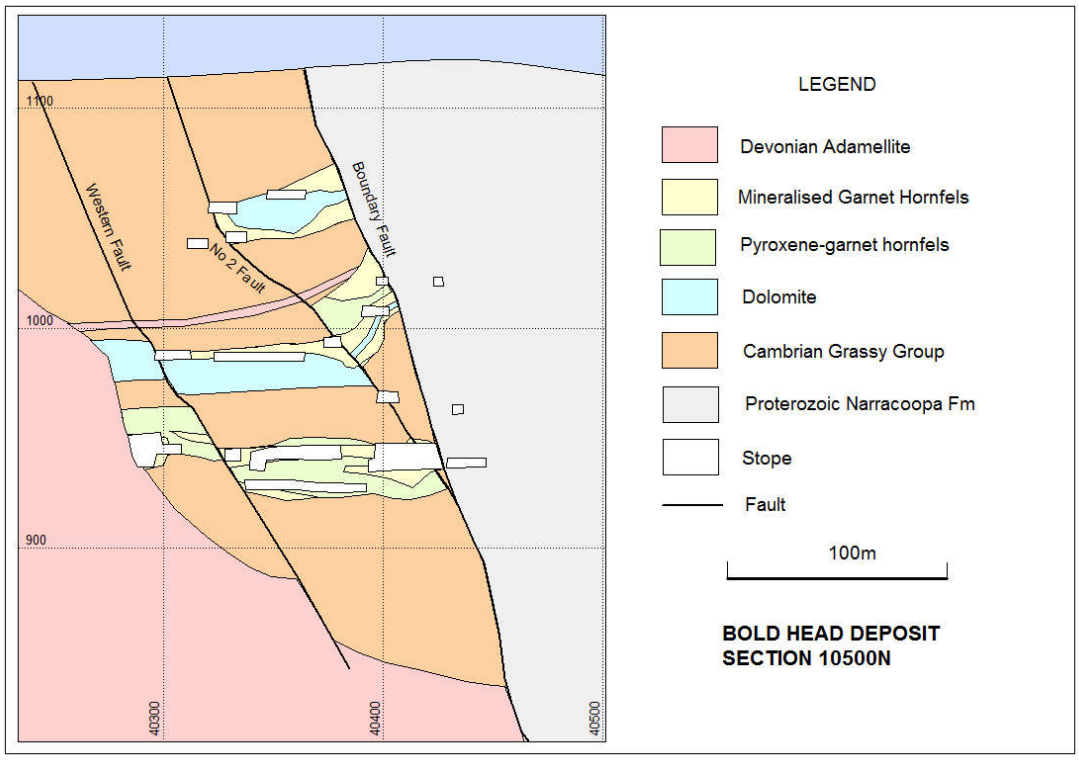

Figure 9. Bold Head Coss section 10500N. Most of the high grade mineralisation is located between the No2 and Boundary fault.

6 RECOMMENDATIONS

Mineralisation at Dolphin and Bold Head is strongly controlled by late brittle faulting associated with the granite intrusion. Structural-stratigraphic drilling in the shallow dipping volcaniclastics should allow modelling of fault offsets and refined targeting.

A series of 200m spaced sections with 100m spaced stratigraphic-structural drill holes is recommended to assess the western side of the Grassy Granite for potential fault related high grade mineralisation. Further targeted infill drilling will be required to test identified offsets.

7 ENVIRONMENTAL AND REHABILITATION

All drill sites were rehabilitated on conclusion of the drilling program. Drill collars were capped below ground and sumps backfilled.

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

REFERENCES

Brown, SG, 1981. Six Monthly Report to the Mines Department, Report No KI/81/5 *Unpublished company report for Warman Services Ltd.*

Brown, SG, 1975. Progress Report on the exploration of the Grassy Granite Contact Zone. Report No KI/75/3 *Unpublished company report for Geopeko Ltd.*

Callaghan, TJ, 2019. Bold Head Geology, Resources and Mine Infrastructure Digital Model. *Unpublished consultants report for King Island Scheelite.*

Callaghan, TJ, 2015. Dolphin Mineral Resource Estimation. *Unpublished consultant's report for King Island Scheelite.*

Calver CR, 2007. Some Notes on the Geology of King Island. *Tasmanian Geological Survey Record 2007/02.*

Cox, S F, 1989. 'Cape Wickham' in Burrett, CF and Martin CF, (editors) Geology and Mineral Resources of Tasmania*, Special Publication Geological society of Australia,* vol15, pp26 - 27

Danielson MJ, 1975. King Island Scheelite deposits. In Knight CL (editor), Economic Geology of Australia and Papua New Guinea. *Monograph Serial Australian Institute of Mining and Metallurgy*.

Fudge A, 2010. Ore Resource Statement for the Bold Head Orebody, May 2010. *Unpublished company report for King Island Scheelite.*

Meffre S, Direen NG, Crawford AJ, and Kamenetsky V, 2004. Mafic Volcanic rocks on King Island, Tasmania: Evidence for 579Ma break up in East Gondwana. *Precambrian research, vol. 135 pp177 – 191*.

Turner NJ, Black LP, and Kamperman M, 1998. Dating of Neoproterozoic and Cambrian Orogenies in Tasmania. *Australian Journal of Earth Sciences, vol 45, pp 789 – 806*.

Appendix 1

Drill Logs

Stratigraphy	
Q	Quaternary alluvial, colluvial and dune deposits
Dsk	Devonian Skarn
Dg	Devonian Granite
Os	Siliceous sst and conglomerate.
Cgg	Cambrian Grassy Group
Ln	Proterozoic Naracoopa Formation.
Rock Types	
sand	Marine sand
dune	dune sand
CONG	Tertiary Conglomerate
CLAY	Clay
QZVN	Quartz Vein
Sslt	Siltstone
Sst	Sandstone
Shl	shale
GABB	Gabbro
grit	gritty sand
FILL	Fill
Geopekor Rock Codes	
gh	garnet hornfels
pgh	pyroxene-garnet hornfels
fz	fault zone
ap	aplite
bh	biotite hornfels
ph	pyroxene hornfels
bfb	banded footwall beds
ch	carbonate-chert
q	Narracoopa Formation quartzite
ad	Adamellite
mv	Middle Grassy Group volcanics
uv	Upper Grassy Group volcanics
lv	lower Grassy Group volcanics
Colour	
Colours can be classified by shade using a 1 to 5 scale. ie. B1 =	
N	Black
B	Brown
P	Purple
G	Green
C	Cream
W	White
Y	Yellow
T	Tan
R	Red
O	Orange
Alteration	
Ac	Actinolite
Ch	Chlorite
Se	Sericite
Cb	Carbonate
Di	Diopside
Sc	Serpentine-chrysotilic
Sp	Serpentine
So	Schorl
Ph	Phlogopite
To	Tourmaline
Si	Silica
Qz	Quartz
Ga	garnet
Px	pyroxene
Bi	Biotite

Tim Callaghan Resource and Exploration Geology - Drill Log

BHID KI111

Collar

Project	BHID	Easting	Northing	RL	Depth	Date	Geologist
Dolphin W	KI111	243292.9	5559996.4	127.509	329.4	25/01/2023	TC

Surveys

Project	BHID	Depth	Azm_Amg	Dip
Dolphin W	KI111	0	270	-63
Dolphin W	KI111	45	271.6	-63.01
Dolphin W	KI111	75	272.5	-62.8
Dolphin W	KI111	126	272.5	-62.2
Dolphin W	KI111	177	274.7	-60.8
Dolphin W	KI111	228	275	-59.9
Dolphin W	KI111	279	275.3	-58.3
Dolphin W	KI111	329	275.3	-56

Hole Sizes

From	Size
0	HQ
38.7	NQ

Drilled By

Spauldings

Analyses By

ALS

Summary Log

0 - 4.7m Soil and clay with some heavy (scheelite) mineral sand.
4.7 - 175.4 Upper Grassy Group Volcanics
175.4 - 202.2 pgh and bh in upper B lens
202.2 - 225.7 B Lens
225.7 - 316.9 Polymict breccia with variable pgh and bh skarn
316.9 - 322.9 C Lens
322.9 - 324.6 Lower volcanics
324.6 - 329.4 Adamellite/granite

Comments

KI111 is an exploration drillhole testing the Investigator 24 area west of the Grassy Granodiorite.

Significant Intersections

3.2 - 4.2 1.0m @ 3.8% WO_3. (Lag or regolith)
153.7 - 154.7 1.0m @ 0.1% WO_3
217.7 - 118.9 1.2m @ 0.2% WO_3
260.5 - 262.5 2.0m @ 0.3% WO_3
310.2 - 311.2 1.0m @ 0.1% WO_3

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI111	0	1.5	Q	SAND							Sandy soil. Aeolian sand cover.
Dolphin W	KI111	1.5	3.7	Q	CLAY	cy	O4	0	Gd			Strongly weathered basaltic volcanics. Orange clay.
Dolphin W	KI111	3.7	4.7	Cgg	CLAY	cy	O4	0	Gd			Strongly weathered basaltic volcanics. Transported clay with silica-garnet-scheelite volcanic sediments/mineral sand?
Dolphin W	KI111	4.7	5.3	Cgg	Sst	SiBi	A1		Ft			Pale grey silica-biotite sandstone. Siliceous massive quartzite. Possibly transported boulder? Possibly transported Naracoopa Fm.
Dolphin W	KI111	5.3	12.1	Cgg	bh	CyAc	O2		Ft			Orange, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite rich upper volcanic basalt. Broken unweathered biotite hornfels. Clay seams. Broken silica-biotite hornfels zones of poor recovery. Possibly transported to 11m?
Dolphin W	KI111	12.1	12.7		f	Cy	O2		Ft			Puggy Fault. Core loss. Clay.
Dolphin W	KI111	12.7	14.1	Cgg	bh	CyCh	G3		Ft			Orange, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite rich upper volcanic basalt. Broken unweathered biotite hornfels. Clay seams.
Dolphin W	KI111	14.4	16.3		f	Cy	G3		Ft			Puggy Fault. Core loss. Clay.
Dolphin W	KI111	16.3	18.5	Cgg	bh	CyBi	G3		Ft			Green, partially weathered massive basaltic volcanics. Weathering of actinolite-biotite rich upper volcanic basalt. Clay seam on joints/faults.
Dolphin W	KI111	18.5	19	Cgg	bh	Bi	A3		Ft			Dark grey/brown, massive to laminated, fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite altettion. Minor fine aplitic dykes.
Dolphin W	KI111	19	19.1		f	Cy	G3		Ft			Puggy Fault. Clay.
Dolphin W	KI111	19.1	24.2	Cgg	bh	Bi	A3		Ft			Dark grey/brown, massive to laminated, fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite altettion. Minor fine silica-actinolite veins.
Dolphin W	KI111	24.2	24.7		f	Cy	G3		Ft			Puggy Fault. Clay.. Core loss. Chl altered after biotite hornfels.
Dolphin W	KI111	24.7	28.1	Cgg	bh	Bi	A3		Ft	Bd	15	Dark grey/brown, massive to laminated, fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite altettion. Minor fine silica-actinolite veins.
Dolphin W	KI111	28.1	28.5	Cgg	f	Ch	G3		Ft			Puggy fault. Core loss.
Dolphin W	KI111	28.5	32.2	Cgg	bh	Bi	A3			Vn	5	Dark grey/brown, massive to laminated, fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite altettion. Fine silica-actinolite veins.
Dolphin W	KI111	32.2	32.6	Cgg	f	Ch	G3		Ft			Puggy fault. Core loss.
Dolphin W	KI111	32.6	34	Cgg	bh	Ch	G3			Vn	30	Green chlorite altered biotite hornfels with retrgrade chlorite replacing biotite.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI111	34	43.2	Cgg	bh	Bi	A3		Sp			Dark grey/brown, massive fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Numerous fine 1-3mm qtz-aplite veins /dykes. Low bca. Hornfels spotting.
Dolphin W	KI111	43.2	48.1	Cgg	bh	Bi	A3		Sp			Dark grey/brown, massive fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Mottled epidote-grossular veining/selvedge associated with fine aplitic dykes.
Dolphin W	KI111	48.4	49		f	CyCa	A3		Ft			Late puggy brittle fault. Leached with cavities and broken rock.
Dolphin W	KI111	49	50.6	Cgg	bh	Bi	B3		Sp			Dark grey/brown, massive fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Numerous fine 1-3mm qtz veins Hornfels spotting.
Dolphin W	KI111	50.6	50.9		f	CyCa	A3		Ft			Late puggy brittle fault. Core loss and broken rock.
Dolphin W	KI111	50.9	53.8	Cgg	bh	Bi	A3		Sp	Bd	30	Dark grey/brown, massive fine grained basaltic volcaniclastic sandstone. Strongly hornfelsed. Pervasive fine biotite alteration.
Dolphin W	KI111	53.8	64.1	Cgg	GABB	BiPx	A2		Sp	Bd	15	Grey/green fine to medium grained, massive equigranular biotite-feldspar gabbro. Strongly hornfelsed with biotite replacement of early pyroxene? Chilled intrusive margins. Thin (1-2mm) scheelite-pyroxene skarn on lower contact.
Dolphin W	KI111	64.1	66.5	Cgg	bh	Bi	B3		Sp	Bd		Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Hornfels spotting.
Dolphin W	KI111	66.5	70.2	Dg	ad	Ep	C2		Sp			Massive, medium grained quartz-feldspar-biotite granite dyke. Varible texture from aplitic to qtz porphyritic. Minor epidote-silica alteration/vein selvedge with trace Mo.
Dolphin W	KI111	70.2	74.7	Cgg	bh	Bi	B3		Sp			Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Hornfels spotting.
Dolphin W	KI111	74.7	79	Cgg	ph	PxBi	G4	0	Sp			Green pyroxene skarn overprinting earlier biotite hornfelsed basaltic volcaniclastic sandstone. Medium-fine grained. Trace Po-Cpy.
Dolphin W	KI111	79	88.9	Cgg	bh	Bi	B3		Sp			Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Hornfels spotting.
Dolphin W	KI111	88.9	90.6	Cgg	ph	PxBi	G4		Sp			Green pyroxene skarn overprinting earlier biotite hornfelsed basaltic volcaniclastic sandstone. Medium-fine grained.
Dolphin W	KI111	90.6	95	Cgg	bh	Bi	B3		Sp	Bd	80	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												Patchy pyroxene skarn overprint.
Dolphin W	KI111	95	96.7	Cgg	ph	PxBi	G4	0	Sp			Green pyroxene skarn overprinting earlier biotite hornfelsed basaltic volcaniclastic sandstone. Medium-fine grained. Patchy replacement. Minor pyrrhotite in skarn..
Dolphin W	KI111	96.7	102.4	Cgg	bh	Bi	B3		Sp	Bd	45	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding
Dolphin W	KI111	102.4	130.7	Cgg	bh	BiPx	B3	0.02	Sp	Bd	30	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Increasing nodules skarned of dolomite. Zoned pyroxene around nodules. Trace Po-Cpy disseminations in nodules. Rare trace scheelite.
Dolphin W	KI111	130.7	139.8	Cgg	GABB	BiPx	A3	0.10	Sp			Massive, homognous medium to fine grained gabbro/basalt. Strongly hornfelsed with pyroxene-biotite-(garnet?) alteration. Chlorite-talc on joints. Fine disseminated Po.
Dolphin W	KI111	139.8	150.3	Cgg	bh	BiPx	B3	0.02	Sp	Bd	60	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Increasing nodules of skarned dolomite. Zoned pyroxene-grossular around nodules. Po-Cpy disseminations in nodules. Rare trace scheelite.
Dolphin W	KI111	150.3	150.5	Dg	ap	SiKf	C1		Sp			Mediun fine grained qtz-feldspar-biotite aplite dyke. Silicified.
Dolphin W	KI111	150.5	151.3	Cgg	bh	BiPx	B3	0.02	Sp	Bd	60	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Nodules of skarned dolomite. Zoned pyroxene-grossular around nodules.
Dolphin W	KI111	151.3	153.7	Dg	ad	Bi	C1		Sp			Massive porphyritic qtz-plagioclase-biotite-kfeldspar granite. Chilled margins. Large porhyritic phocryst of K feldspar. Minor epidote altered plagioclase.
Dolphin W	KI111	153.7	154.8	Cgg	bh	BiPx	B3	0.02	Sp	Bd	60	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Nodules of skarned dolomite. Zoned pyroxene-grossular around nodules.
Dolphin W	KI111	154.8	156.4	Dg	ap	SiKf	C1		Sp			Medium fine grained qtz-feldspar-biotite aplite dyke. Silicified.
Dolphin W	KI111	156.4	175.4	Cgg	bh	BiPx	B3	0.02	Sp	Bd	60	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. 30% nodules of skarned dolomite. Zoned pyroxene-grossular around nodules. Po-Cpy

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												disseminations in nodules. Rare trace scheelite.
Dolphin W	KI111	175.4	180.8	Blens	pgh	GtPx	G2	0.50	Sp	Bd	25	Light grey/green, brown, white and cream, banded dolomite-pyroxene-grossular-andradite skarn. Minor bands of brown biotite hornfels. 5-10cm dolomite bands with skarn contacts. Minor pyrrhotite. Localised trace disseminated scheelite.
Dolphin W	KI111	180.8	186.2	Cgg	bh	Bi	B4		Sp	25		Massive, dark brown biotite hornfelsed basaltic volcaniclastic greywacke. Massive bed /mass flow. Sparse thin pyrrhotite veins with pyroxene selvedge.
Dolphin W	KI111	186.2	186.9	Cgg	bh	BiKf	B4		Sp	25		Massive, dark brown biotite hornfelsed basaltic volcaniclastic greywacke. Massive bed /mass flow. Strong kfeld? Alteration with increasing pyroxene skarn.
Dolphin W	KI111	186.9	191	Blens	pgh	GtPx	G2	0.50	Sp	Bd	25	Light grey/green, brown, white and cream, banded dolomite-pyroxene-grossular-andradite skarn. Minor bands of brown biotite hornfels. 5-10cm dolomite bands with skarn contacts. Minor pyrite-pyrrhotite. Localised fine, trace disseminated scheelite.
Dolphin W	KI111	191	193.5	Cgg	ph	PxBi	A2		Gd	Bd		Pale grey, banded/bedded pyroxene skarn overprinting biotite hornfels. Minor brittle faulting. Talc on some layers. Biotite spotting. Laminated basaltic siltstone protolith.
Dolphin W	KI111	193.5	196.4	Cgg	bh	BiPx	B3	0.30	Sp	Bd	30	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Patchy pyroxene skarn overprint. Sparse, coarse disseminations of pyrrhotite.
Dolphin W	KI111	196.4	198.5	Dg	ad	BiSi	A1		Sp			Massive, fine to medium grained qtz-biotite granite/aplite. Vughy leached feldspars.
Dolphin W	KI111	198.5	202.2	Cgg	bh	BiPx	B3	0.30	Sp	Bd	35	Dark brown, bedded fine grained basaltic volcaniclastic greywacke/siltsone. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Increasing pyroxene skarn overprint. Brittle fractures with talc infill.
Dolphin W	KI111	202.2	215.3	Blens	ch	CbPx	A2		Ft			Pale grey, strongly crystalline dolomite/marble. Stylotlytic. Weak pyroxene-grossular on some fracture surfaces. Numerous graphitic? Fractures.
Dolphin W	KI111	215.3	215.4	f		Cb	A1		Ft			Puggy britte fault. Core loss. Strong skarn alteration.
Dolphin W	KI111	215.4	217	Blens	bh	BiGt	B5		Ft			Massive dark brown biotite/phlogpite/garnet skarn?? Brecciated with numerous anastamosing late puggy brittle faulting.
Dolphin W	KI111	217	217.4	f		Cb	A1		Ft			Puggy britte fault. Mostly white/blue clay. Core loss. Strong skarn alteration.
Dolphin W	KI111	217.4	220.6	Blens	pgh	GtPx	G2	0.05	Gd			Mottled, grey, green orange and white skarn altered dolomite. Strong pyroxene-grossular metasomatism along brittle fracture network. Annealed. Dolomite kernels.

Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												Minor coarse pyrhotitie. Low grade disseminated scheelite (0.1%).
Dolphin W	KI111	220.6	225.7	Blens	ch	CbPx	A2		Ft	Bd	40	Pale grey, strongly crystalline dolomite/marble. Stylotlytic. Weak pyroxene-grossular on some fracture surfaces.
Dolphin W	KI111	225.7	227.5	Cgg	f	BiPx	B5		Ft			Faulted pyroxene skarn and phlogopite/biotite skarn. Brecciated and broken. Talc and phlogopite fracture surfaces.
Dolphin W	KI111	227.5	239.4	Cgg	pgh	PxGt	G4	0.05	Sp			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble biotite hornfels and grossular. Strongly metasomatised with pervasive pyroxene and grossular minor andradite. Sparse, trace to low grade scheelite (<0.1%).
Dolphin W	KI111	239.4	243.8	Cgg	bh	BiPx	B5	0.00	Gd	Bd	30	Dark brown, massive to laminated baslatic volcaniclastic greywacke. Strongly hornfelsed. Pervasive biotite alteration with mottled patchy pyroxene skarn overprint.
Dolphin W	KI111	243.8	246.4	Cgg	bh	BiPx	B5	0.00	Sp	Bd	25	Massive, basaltic volcaniclastic mass flow breccia. Medium 1-2cm sparse clasts of basaltic lithics. Intense biotite hornfels and patchy late pyroxene metasomatism.
Dolphin W	KI111	246.4	257.7	Cgg	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble biotite hornfels and grossular. Strongly metasomatised with pervasive pyroxene and grossular minor andradite. Sparse, trace to low grade scheelite (<0.1%).
Dolphin W	KI111	257.7	262	Cgg	gh	PxGt	B3	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble biotite hornfels and grossular. Strongly metasomatised with pervasive pyroxene and grossular and andradite. Zones of medium to low grade scheelite (0.3-0.4%). Scheelite and calcsilicate metasomatism intensity decreasing below 262m.
Dolphin W	KI111	262	275	Cgg	pgh	PxGt	B3	0.05	Sp			As above but much less metasomatism and trace to no scheelite. Mass flow altered to biotite-pyroxene-grossular. Large dolomite clasts Localised andradite replaced clasts. Sparse pyrrhotite-pyrite.
Dolphin W	KI111	275	278.4	Cgg	bh	BiPx	B3	0.05	Sp	Bd	80	Thinly bedded basaltic volcanicastic greywacke and thin polymict mass flow breccia. Small dolomite clasts in breccia. Pervasive biotite hornfelsing with late patchy pyroxene overprint. Some grossular garnet replacement of marble. Trace pyrhhotite and scheelite.
Dolphin W	KI111	278.4	292.2	Cgg	mv	Bi	A3	0.05	Ft	Bd	70	Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt and sparse dolomite. Matrix supported. Moderate hornfelsing with variable biotite

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												alteration. Minor zones of increased metasomatism with grossular rims on dolomite.
												Sparse coarse pyrrhotite and pyrite. Garnet-pyrrhotite vein selvedge 290.4m.
Dolphin W	KI111	292.2	293.4		f		G5		Ft			Brittle fault. 0.7m core loss. Late chlorite after biotite alteration.
Dolphin W	KI111	293.4	299.3	Cgg	mv	Bi	A3	0.10	Gd			Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt
												and large dolomite. Matrix supported. Moderate hornfelsing with variable biotite.
												Localised pyroxene-garnet metsomatism. Sparse disseminated Po.
Dolphin W	KI111	299.3	302.3	Cgg	pgh	PxGt	G2	0.20	Gd			Massive, pale green pyroxene-garnet skarn. Metasomtised polymict, matrix supported
												basaltic mass flow breccia. Sparse disseminated pyrrotite. Sparse fine scheelite.
												Grossular garnet and pale green pyroxene.
Dolphin W	KI111	302.3	314	Clens	pgh	PxGt	G2	0.20	Gd			Massive, pale green pyroxene-garnet skarn. Metasomtised polymict, matrix supported
												basaltic mass flow breccia. Localised coarse andradite garnet replacing carbonate c
												lasts and early grossular. Patchy low grade scheelite associated with andradite (0.05-
												0.2%). Pale green pyroxene matrix of breccia. Sparse disseminated pyrrotite.
Dolphin W	KI111	314	316.9	Cgg	ph	PxCh	A3	0.10	Sp			Pale grey, pyroxene metasomatised polymict volcaniclastic breccia and greywacke.
												Base of Mass flow units. Retrograde chlorite alteration of biotite-pyroxene. Minor
												scheelite associated with veins and chlrite/biotite selvedge.
Dolphin W	KI111	316.9	321.5	Clens	ch	Cb	A2	3.00	Sp	Bd	80	Pale grey, massive dolomite/marble. Brecciarted Strongly recrystallised. Minor 2-35%
												coarse disseminated and vein pyrrhotite. Trace disseminated and vein associated
												scheelite. Graphite? on breccia surfaces?
Dolphin W	KI111	321.5	322.9	Clens	ph	PxCh	G4	0.10	Sp			Green pyroxene skarn, Mottled. Numerous fractures. Sparse bands of disseminated
												scheelite (0.1%).
Dolphin W	KI111	322.9	324.6	Cgg	bh	BiSi	A4		Sp			Dark brown intensley hornfelsed, silicified biotite skarn. Contact metamorphosed
												volcanics. Minor gramite dylkes.
Dolphin W	KI111	324.6	329.4	Dg	ad	EpSe	A2					Massive, porphyritic quartz-biotite-plagioclase-Kfeldspar granite. Fine grained margin
												grading to coarse Kfeldspar porphyritic granite. Weak epidote-sericite alteration of
												plagioclase.
												EOH

Assay Sheet															
Project	BHID	From m	To m	Spl_id	WO3 %	Mo %	Sn %	Cu %	Pb ppm	Zn ppm	Ag	Bi	S	SG	Rock
Dolphin W	KI111	153.7	154.3	74337	0.09	-0.05	-0.01	-0.01							
Dolphin W	KI111	156.4	157.1	74338	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	157.1	157.8	74339	0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	162.6	163.6	74340	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI111	163.6	164.6	74341	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	164.6	165.6	74342	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	165.6	166.8	74343	0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	175.4	176.4	74344	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	176.4	177.4	74345	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	177.4	178.4	74346	0.02	-0.05	-0.01	0.05							
Dolphin W	KI111	178.4	179.4	74347	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	179.4	180.8	74348	-0.01	-0.05	0.01	0.02							
Dolphin W	KI111	186.9	188	74349	-0.01	-0.05	-0.01	0.04							
Dolphin W	KI111	188	189	74350	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	189	190	74351	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	190	191	74352	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	191	192	74353	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	192	193.4	74354	0.06	-0.05	-0.01	0.02							
Dolphin W	KI111	201.3	202.3	74355	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	202.3	203.4	74356	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	203.4	204.4	74357	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	216.9	217.7	74358	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	217.7	218.9	74359	0.15	-0.05	-0.01	-0.01							
Dolphin W	KI111	218.9	219.5	74360	0.03	-0.05	-0.01	0.01							
Dolphin W	KI111	219.5	220.5	74361	0.04	-0.05	-0.01	0.05							
Dolphin W	KI111	220.5	221.4	74362	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	230.8	232.1	74363	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	232.1	233.1	74364	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	233.1	234.1	74365	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	234.1	235.1	74366	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	235.1	236.1	74367	-0.01	-0.05	-0.01	-0.01							

Assay Sheet															
Project	BHID	From m	To m	Spl_id	WO3 %	Mo %	Sn %	Cu %	Pb ppm	Zn ppm	Ag	Bi	Mo	As ppm	Rock
Dolphin W	KI111	236.1	237.1	74368	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	237.1	238.1	74369	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	238.1	239.4	74370	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	246.2	247.2	74371	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	247.2	248.2	74372	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	248.2	249.2	74373	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	256.7	257.7	74374	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	257.7	258.7	74375	0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	258.7	259.7	74376	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	259.7	260.5	74377	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	260.5	261.5	74378	0.13	-0.05	-0.01	0.04							
Dolphin W	KI111	261.5	262.5	74379	0.43	-0.05	-0.01	0.01							
Dolphin W	KI111	262.5	263.5	74380	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI111	263.5	264.5	74381	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	264.5	265.5	74382	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	265.5	266.5	74383	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	266.5	267.5	74384	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	276.4	277.9	74385	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	277.9	278.4	74386	0.02	-0.05	-0.01	-0.01							
Dolphin W	KI111	299.3	300.3	74387	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	300.3	301.2	74388	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI111	301.2	302.2	74389	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	302.2	303.2	74390	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	303.2	304.2	74391	0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	304.2	305.2	74392	-0.01	-0.05	-0.01	-0.01							

Project	BHID	From m	To m	Spl_id	WO3 %	Mo %	Sn %	Cu %	Pb ppm	Zn ppm	Ag	Bi	Mo	As ppm	Rock
Dolphin W	KI111	305.2	306.2	74393	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	306.2	307.2	74394	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	307.2	308.2	74395	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	308.2	309.2	74396	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI111	309.2	310.2	74397	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	310.2	311.2	74398	0.11	-0.05	-0.01	-0.01							
Dolphin W	KI111	311.2	312.2	74399	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	312.2	313.2	74400	0.03	-0.05	0.12	-0.01							
Dolphin W	KI111	313.2	314.2	74401	0.02	-0.05	-0.01	-0.01							
Dolphin W	KI111	314.2	315.2	74402	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	315.2	316.2	74403	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	316.2	316.9	74404	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	316.9	317.9	74405	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	317.9	318.9	74406	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI111	318.9	319.9	74407	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	319.9	320.8	74408	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	320.8	321.8	74409	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI111	321.8	322.9	74410	0.02	-0.05	0.02	0.04							
Dolphin W	KI111	3.2	4.2	74411	3.76	-0.05	-0.01	0.05		poor recovery					
Dolphin W	KI111	2.8	3.2	74515						poor recovery					
Dolphin W	KI111	4.2	4.8	74516						poor recovery					

Tim Callaghan Resource and Exploration Geology - Drill Log

BHID KI112

Collar

Project	BHID	Easting	Northing	RL	Depth	Date	Geologist
Dolphin W	KI112	243258.7	5559858.2	126.138	350.3	25/02/2023	TC

Surveys

Project	BHID	Depth	Azm_Amg	Dip
Dolphin W	KI112	0	270	-80
Dolphin W	KI112	50	270.8	-80.2
Dolphin W	KI112	100	271.7	-80.5
Dolphin W	KI112	150	275.8	-80.7
Dolphin W	KI112	200	268.6	-80.6
Dolphin W	KI112	250	279.8	-80.8
Dolphin W	KI112	300	281.15	-81
Dolphin W	KI112	350	285	-80.9

Hole Sizes

From	Size
0	HQ
44.8	NQ

Drilled By

Spauldings

Analyses By

ALS

Summary Log

0 - 2.5m Soil and clay.
2.5 - 166.0 Upper Grassy Group Volcanics
166.0 - 187.0 pgh and bh in upper B lens
187.0 - 234.8 B Lens
234.8 - 303.2 Polymict breccia with variable pgh and bh skarn
303.2 - 344.6 C Lens
344.6 - 350.3 Adamellite/granite

Comments

KI112 is an exploration drillhole testing the Investigator 24 area west of the Grassy Granodiorite.

Significant Intersections

Assays Pending

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI112	0	1	Q	SAND		C2					Orange and cream sandy-clay soil. Aeolian sand cover. 0.6m core loss.
Dolphin W	KI112	1	2.5	Cgg	CLAY	Cy	O		Gd			Orange/yellow clay from deeply weathered basaltic volcanics. Core loss.
Dolphin W	KI112	2.5	8.7	Cgg	uv	CyCh	G3		Ft			Orange/green, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite
												rich upper volcanic basalt. Broken unweathered biotite hornfels. Clay seams.
												Core loss in clay weathered zones.
Dolphin W	KI112	8.7	16	Cgg	uv	AcCh	G3		Ft			Green, partially weathered massive basaltic volcanics. Weathering of actinolite-biotite
												rich upper volcanic basalt. Actinolite/biotite hornfelsed spotting. Retrograde chlorite
												alteration and clay weatherng. Clay seams on joints/faults.
Dolphin W	KI112	16	25.4	Cgg	bh	BtAc	B4		Gd			Massive, dark grey/brown basaltic volcaniclastic siltstone. Intense pervasive biotite
												alteration. Biotite/actinolite hornfels spotting.
Dolphin W	KI112	25.4	26.5	Cgg	uv	AcCh	G3		Ft	Bn	30	Massive, dark green actinolite-pyroxene-chlorite altered basaltic volcanics. Intensely
												altered and metasomaised. Hornfels spotting (actinolite/biotite retograde chlorite?).
Dolphin W	KI112	26.5	26.7		f	CyCh	G5		Ft			Puggy brittle fault. Chloritic clay infill.
Dolphin W	KI112	26.7	29.6	Cgg	bh	BiAc	B4		Gd			Massive, dark grey/brown basaltic volcaniclastic siltstone. Intense pervasive biotite
												alteration.
Dolphin W	KI112	29.6	33.4	Cgg	uv	PxBi	A2		Ft			Massive, pale grey to dark grey, moderate pyroxene hornfelsed basaltic volcanics.
												Possibly gabbroic protolith? Biotite hornfelsed spotting. Metasomatised.
Dolphin W	KI112	33.4	36.8	Cgg	bh	Bi	B4		Gd	Bd	45	Massive, dark grey/brown basaltic volcaniclastic siltstone. Intense pervasive biotite
												alteration. Deformed/ folded fine stockwork silica-apliteveins/intrusions?
												Rare patchy grossular-epidote alteration nodules.
Dolphin W	KI112	36.8	36.9		f	CyCh	G5		Ft			Puggy brittle fault. Chloritic clay infill.
Dolphin W	KI112	36.9	40.2	Cgg	GABB	PxBi	A2		Ft	Bd	45	Massive, pale grey to dark grey, moderate pyroxene hornfelsed basaltic volcanics.
												Biotite hornfelsed spotting in moderate pyroxene-biotite hornfels. Metasomatised.
Dolphin W	KI112	40.2	40.8		f	CyCh	G5		Ft			Puggy brittle fault. Chloritic clay infill. Broken chlorite after biotite-pyroxene altered
												volcanics.
Dolphin W	KI112	40.8	41.4	Cgg	GABB	PxBi	A2		Ft	Bd	45	Massive, pale grey to dark grey, moderate pyroxene hornfelsed basaltic volcanics.
												Biotite hornfelsed spotting in moderate pyroxene-biotite hornfels. Metasomatised.
Dolphin W	KI112	41.4	41.6	Cgg	ph	Px	A2			Bd	60	Pale grey pyroxene (diopside-hedenburgite?) skarn/breccia. Brecciated clasts in
												pyroxene matrix. Fine low grade disseminated scheelite (0.2%).

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI112	41.6	44.9	Cgg	GABB	PxBi	A2		Ft	Bd	45	Massive, pale grey to dark grey, moderate pyroxene hornfelsed basaltic volcanics. Biotite hornfelsed spotting in moderate pyroxene-biotite hornfels. Metasomatised.
Dolphin W	KI112	44.9	45.2	Cgg	bh	Bi	A3		Sp	Bd	30	Dark grey/brown, massive fine grained basaltic volcaniclastic sandstone/siltstone. Strongly hornfelsed. Pervasive fine biotite alteration.
Dolphin W	KI112	45.2	45.6	Dg	ad	EpSi	C2	0.20	Sp			Massive, medium to coarse grained quartz-feldspar-biotite granite dyke. Varible texture from aplitic to qtz-feld pegmatite. Moderate epidote-silica alteration/vein selvedge with fine disseminated molybdenite.
Dolphin W	KI112	45.6	47	Cgg	bh	Bi	B4		Sp	Bd	30	Dark grey/brown, massive fine grained basaltic volcaniclastic sandstone/siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Thin crosscutting aplite dyke.
Dolphin W	KI112	47	47.3	Cgg	ap	Si	C2	0	Sp	Vn	20	Very fine grained 2-3cm wide qtz aplite dyke or vein. Laminated with abundant fine scheelite (>5%). Fine 2-3mm bands of pyrite selvedge. Host biotite hornfels.
Dolphin W	KI112	47.3	48.9	Cgg	bh	Bi	B4		Sp	Bd	30	Dark grey/brown, massive fine grained basaltic volcaniclastic sandstone/siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Thin crosscutting aplite dykes.
Dolphin W	KI112	48.9	49.2	Dg	ap	Ep	C2					Fine grained qtz-feldspar-biotite aplite dyke. Flow laminated with hornfels xenoliths.
Dolphin W	KI112	49.2	53.8	Cgg	bh	Bi	B4		Sp	Bd	75	Dark grey/brown, massive fine grained basaltic volcaniclastic sandstone/siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Thin crosscutting aplite dyke.
Dolphin W	KI112	53.8	55.3	Cgg	ph	PxBi	A2	0	Sp	Bn	75	Pale grey-green intensely metasomatised basaltic volcanics. Pyroxene skarn with coarse biotite spotting on margins. Trace disseminated pyrite.Thin qtz-act veins.
Dolphin W	KI112	55.3	102.6	Cgg	bh	Bi	B4		Sp	Bd	80	Dark grey/brown, massive to bedded fine grained basaltic volcaniclastic sandstone and siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Sparse, fine qtz-epidote-py veins with cream-green pyroxene (diopside-hedenburgite) selvedge.
Dolphin W	KI112	102.6	103.7	Cgg	ph	Px	G3	0	Sp			Pale grey-green intensely pyroxene metasomatised basaltic volcanics. Nodules of marble and diopside in pyroxene selvedge. Fine po, trace scheelite in microveins.
Dolphin W	KI112	103.7	106.6	Cgg	bh	Bi	B4		Sp	Bd	80	Dark grey/brown, massive to bedded fine grained basaltic volcaniclastic sandstone and siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Patchy grey-green pyroxene alteration.
Dolphin W	KI112	106.6	110.6	Cgg	ph	PxCh	G3	0	Sp			Pale grey-green intensely pyroxene metasomatised basaltic volcanics. Mottled chlorite hedenburgite-diopside with patchy coarse biotite? Microveins with trace Py-Cpy-Mo, scheelite and possibly wolframite?
Dolphin W	KI112	110.6	115.2	Cgg	bh	Bi	B4		Sp	Bd	75	Dark brown, massive to bedded fine grained basaltic volcaniclastic sandstone and

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												siltstone. Strongly hornfelsed. Pervasive fine biotite alteration. Patchy clusters/veins of pyrite with actinolite or tourmaline?
Dolphin W	KI112	115.2	117.5	Cgg	ph	PxCh	G3	0	Sp			Pale grey-green intensely pyroxene metasomatised basaltic volcanics. Mottled hedenburgite and diopside with patchy coarse biotite and retrograde chlorite.
Dolphin W	KI112	117.5	130.2	Cgg	bh	BiPx	B3	0.10	Sp	Bd	70	Dark brown, massive fine grained basaltic volcaniclastic greywacke. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Nodules of skarned dolomite. Zoned pyroxene-grossular around nodules. Fine pyrrhotite in nodule centres.
Dolphin W	KI112	130.2	140.5	Dg	ap	BiKf	P1		Sp			Dominantly fine to medium grained qtz-feldspar-biotite aplite with layers of medium grained kfeldspar-plagioclase-biotite-qtz granite and feldspar-qtz pegmatite. Layerd with "porphyritic" biotite spotting.
Dolphin W	KI112	140.5	157.1	Cgg	bh	BiPx	B4	0.10	Gd	Bd	70	Dark brown, massive fine grained basaltic volcaniclastic greywacke with pale grey patchy pyroxene hornfels. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Sparse nodules of skarned dolomite. Zoned pyroxene-grossular around nodules. Fine pyrrhotite in nodule centres.
Dolphin W	KI112	157.1	166	Cgg	bh	BiPxGt	B4	0.05	Gd	Bd	85	Banded dark brown biotite hornfels after basaltic volcaniclastic siltstone and pale grey green pyroxene hornfels. Wide spaced 5-10cm bands of dolomite with grossular pyroxene skarn metasomatism. Sparse nodules of Po in pyroxene nodules. Scheelite-grossular band 5cm at 158.4m.
Dolphin W	KI112	166	167.9	Blens	pgh	GtPx		0.05				Pale grey-green intensely pyroxene metasomatised banded basaltic volcanics and dolomite. Zoned skarn metasomatism with grossular margins to "distal"pyroxene. Sparse fine py microveins. No scheeite.
Dolphin W	KI112	167.9	173.1	Cgg	bh	BiPxGt	B4	0.05	Gd	Bd	85	Banded dark brown biotite hornfels after basaltic volcaniclastic siltstone and pale grey green pyroxene hornfels. Wide spaced 5-10cm bands of dolomite with grossular pyroxene skarn metasomatism. Sparse nodules of Po in pyroxene nodules. Trace scheelite specks.
Dolphin W	KI112	173.1	179.6	B Lens	pgh	GtPx		0.05				Pale grey-green intensely pyroxene metasomatised banded basaltic volcanics and dolomite. Zoned skarn metasomatism with grossular-andradite margins to "distal" pyroxene. Sparse fine py microveins. No scheeite.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI112	179.6	187	Cgg	bh	BiPx	B4	0.10	Gd	Bd	85	Dark brown, massive fine grained basaltic volcaniclastic greywacke with pale grey patchy pyroxene hornfels. Strongly hornfelsed. Pervasive fine biotite alteration. Laminated bedding. Increasing pyroxene towards base
Dolphin W	KI112	187	190.5	Blens	ch	CaTc	A2	0.00		Bd	90	Pale grey and white dolomite/marble. Banded. Late fracture veins with talc infill. Hornfelsed and recrystallised. Well beddedwith minor siltstone/biotite hornfels.
Dolphin W	KI112	190.5	192.1	Blens	ch	CaPx	N	0.50				Black and pale grey brecciated pyroxene-carbonate breccia. Brecciated and metsomatised dolomite. Coarse disseminated py-Po. Trace scheelite (<0.1%)
Dolphin W	KI112	192.1	193.5	Cgg	bh	BiTc	B4	0.10	Gd	Bd	85	Dark brown, massive fine grained basaltic volcaniclastic siltstone with minor pale grey dolomite. Strongly hornfelsed. Pervasive fine biotite/phlogopite and talc alteration.
Dolphin W	KI112	193.5	196.1	Blens	ch	CaTc	A2	0.05		Ft	65	Pale grey and white dolomite/marble. Banded. Late fracture veins with talc infill. Hornfelsed and recrystallised. Well bedded with minor pyroxene skarn and disseminated sulphide..
Dolphin W	KI112	196.1	196.2		f	TcCy	G1			Ft	65	smally puggy brittl fault
Dolphin W	KI112	196.2	198.5	Blens	ch	CaTc	A2	0.05		Ft	65	Pale grey and white dolomite/marble. Banded. Late fracture veins with calcite infill. Hornfelsed and recrystallised. Well bedded with minor pyroxene-garnet skarn.
Dolphin W	KI112	198.5	200.2	Blens	f	CaTc	A5	0.10		Ft	45	Dark grey, mottled and brecciated and recrystallised marble. Anastamosing clay-calcite filled fracture/fault network. Pale green pyroxene patches.
Dolphin W	KI112	200.2	208.8	Blens	ch	CaTc	A2	0.05		Ft	65	Pale grey and white dolomite/marble. Banded. Late fracture veins with talc infill. Hornfelsed and recrystallised. Well bedded with minor pyroxene skarn and disseminated sulphide increasing at lower contact.
Dolphin W	KI112	208.8	211.4	Cgg	bh	BiTc	B4	0.10	Gd	Bd	85	Dark brown, massive fine grained basaltic volcaniclastic siltstone with minor pale grey dolomite. Strongly hornfelsed. Pervasive fine biotite/phlogopite and talc alteration. Anastamosing, talc filled breccia veins.
Dolphin W	KI112	211.4	213.8	Blens	ch	CaPx	N	0.50	Ft			Black and pale grey brecciated pyroxene-carbonate breccia. Brecciated and metsomatised dolomite. Coarse disseminated py-Po. Trace scheelite?
Dolphin W	KI112	213.8	215.1		f	TcCy	W		Ft	Ft		Pale green and white puggy brittle fault breccia. Minor 2-3mm Py-hematite veinlets. Mottled pyroxene skarn and talc. 0.4m Core loss.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI112	215.1	217.2	Blens	ch	Ca	A2	0.05	Ft	Bd	30	Pale grey and white dolomite/marble. Banded. Late fracture veins with talc and calcite infill. Hornfelsed and recrystallised.
Dolphin W	KI112	217.2	222	Blens	ch	CaTc	A2	0.05	Ft	Ft	15	As above but open mosaic breccia fauklting with clay infill
Dolphin W	KI112	222	234.8	Blens	ch	Ca	A2	0.05	Ft	Bd	30	Pale grey and white dolomite/marble. Banded. Late fracture veins with talc and calcite infill. Hornfelsed and recrystallised.
Dolphin W	KI112	234.8	244	Cgg	mv	Bi	A3	0.10	Gd			Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt and large dolomite. Matrix supported. Moderate hornfelsing with variable biotite. Localised pyroxene-garnet metsomatism. Sparse disseminated Po.
Dolphin W	KI112	244	247.9	Cgg	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble biotite hornfels and grossular. Strongly metasomatised with pervasive pyroxene and grossular and minor andradite. Sparse, trace to low grade scheelite (<0.1%).
Dolphin W	KI112	247.9	255.7	Cgg	mv	Bi	A3	0.10	Gd			Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt and large dolomite. Matrix supported. Moderate hornfelsing with variable biotite. Localised pyroxene-garnet metsomatism. Sparse disseminated Po.
Dolphin W	KI112	255.7	257.7	Cgg	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and grossular. Strongly metasomatised with pervasive pyroxene grossular and minor andradite in clasts.
Dolphin W	KI112	257.7	273.1	Cgg	mv	Bi	A3	0.10	Gd			Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt and large dolomite. Matrix supported. Moderate hornfelsing with variable biotite. Localised pyroxene-garnet metsomatism. Sparse disseminated Po.
Dolphin W	KI112	273.1	282	Cgg	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and grossular. Strongly metasomatised with pervasive pyroxene grossular and minor andradite in clasts. Metasomatism increasing down hole.
Dolphin W	KI112	282	282.7	Cgg	bh	BiPx	B3	0.10	Sp	Bd	80	Dark brown, massive fine grained basaltic volcaniclastic siltstone. Strongly hornfelsed. Pervasive intense fine biotite alteration. Laminated bedding.
Dolphin W	KI112	282.7	303.2	Cgg	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and grossular. Strongly metasomatised with pervasive pyroxene grossular and minor andradite in clasts. Minor scheelite on skarn clast margins.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI112	303.2	308.1	C Lens	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and grossular. Strongly metasomatised with pervasive pyroxene-grossular.
Dolphin W	KI112	308.1	319.7	C Lens	mv	Bi	A3	0.10	Gd			Medium, grey-brown basaltic polymict volcaniclastic breccia. Angular clasts of basalt and large dolomite. Matrix supported. Moderate hornfelsing with variable biotite alteration. Localised pyroxene-grossular garnet metsomatism. Rare scheelite specks.
Dolphin W	KI112	319.7	331.6	C Lens	pgh	PxGt	G4	0.05	Gd			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and grossular. Strongly metasomatised with pervasive pyroxene grossular and minor andradite in clasts. Minor scheelite (to 0.1%?) on skarn clast margins, veins and nodules.
Dolphin W	KI112	331.6	334	C Lens	mv	PxEp	A4	0.10	Sp			Massive, polymict, volcaniclastic mass flow breccia. Large clasts of dolomite/marble and angular volcanics. Pyroxene metasomatism with retrograde epidote. Trace scheelite.
Dolphin W	KI112	334	334.7	C Lens	ch	CbEp	A5	5.00	Gd			Massive metasomatised and brecciated dolomite. Nodular pyroxene alteration. disseminated and blebs of pyrrotite. Bands of disseminted scheelite (0.2%).
Dolphin W	KI112	334.7	340	C Lens	ch	Cb	A4	1.00	Gd			Massive, grey dolomite. Hornfelsed and recrystallised. Brecciated and annealed with styloites and veins. Patchy pyrrhotite mineralisation.
Dolphin W	KI112	340	344.6	C Lens	ch	CbEp	A5	5.00	Sp			Massive metasomatised and brecciated dolomite. Nodular grossular and pyroxene alteration increasing with brecciation down hole. Disseminated and blebs of pyrrotite. Bands of disseminted scheelite (0.2%).
Dolphin W	KI112	344.6	347.8	Dg	ad	EpKf	A4		Sp			Massive, medium grained biotite rich granodiorite. Qtz-feldspar with epidote and kfeldspar alteration. Aplite dyke at 346.2-346.4m. Epidote altered margins of aplite. Patches of up to 50% biotite.
Dolphin W	KI112	347.8	350.3	Dg	ad	EpSe	A2					Massive, porphyritic quartz-biotite-plagioclase-Kfeldspar granite. Fine grained margin grading to coarse Kfeldspar porphyritic granite. Weak epidote-sericite alteration of plagioclase.
												EOH

Assay Sheet															
Project	BHID	From m	To m	Sample_i	WO3	Mo	Sn	Cu	Pb ppm	Zn ppm	Ag	Bi	S	SG	Rock
Dolphin W	KI112	41.4	41.7	74412	0.39	-0.05	-0.01	-0.01							
Dolphin W	KI112	45.2	45.6	74413	-0.01	-0.05	-0.01	-0.01							Pegma
Dolphin W	KI112	47	47.3	74414	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	102.6	103.7	74415	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	106.6	107.6	74416	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	107.6	108.6	74417	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	108.6	109.6	74418	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	109.6	110.6	74419	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	114.9	115.9	74420	0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	115.9	117.4	74421	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	157	158.3	74422	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	158.3	158.8	74423	0.03	-0.05	-0.01	0.01							
Dolphin W	KI112	167.9	169.2	74424	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	172.3	173.3	74425	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	173.3	174.4	74426	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	174.4	175.4	74427	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	190.5	191.5	74428	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	191.5	192.5	74429	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	192.5	193.5	74430	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	193.5	194.5	74431	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	194.5	195.5	74432	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	195.5	196.5	74433	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	196.5	197.5	74434	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	197.5	198	74435	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	198	199	74436	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	199	200	74437	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	200	201	74438	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	240	240.5	74439	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	244	245	74440	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	245	246	74441	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	246	247	74442	-0.01	-0.05	-0.01	-0.01							

Assay Sheet															
Project	BHID	From m	To m	Sample_i	WO3	Mo	Sn	Cu	Pb ppm	Zn ppm	Ag	Bi	S	SG	Rock
Dolphin W	KI112	270.4	270.9	74443	0.35	-0.05	-0.01	0.02							
Dolphin W	KI112	280.7	281.7	74444	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	281.7	282.7	74445	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	294.2	295.2	74446	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI112	295.2	296.2	74447	0.01	-0.05	-0.01	0.04							
Dolphin W	KI112	296.2	297.2	74448	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	297.2	298.2	74449	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	298.2	299.2	74450	0.01	-0.05	-0.01	0.02							
Dolphin W	KI112	299.2	300.2	74451	0.02	-0.05	-0.01	0.03							
Dolphin W	KI112	300.2	301.2	74452	-0.01	-0.05	-0.01	0.03							
Dolphin W	KI112	301.2	302.2	74453	0.11	-0.05	-0.01	0.01							
Dolphin W	KI112	302.2	303.2	74454	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	319.7	320.7	74455	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	320.7	321.7	74456	0.04	-0.05	0.02	-0.01							
Dolphin W	KI112	321.7	322.7	74457	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	322.7	323.7	74458	0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	323.7	324.7	74459	0.07	-0.05	0.01	-0.01							
Dolphin W	KI112	324.7	325.7	74460	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	325.7	326.7	74461	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	326.7	327.7	74462	0.02	-0.05	0.02	-0.01							
Dolphin W	KI112	327.7	328.7	74463	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	328.7	329.7	74464	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	329.7	330.7	74465	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	330.7	331.7	74466	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	331.7	332.7	74467	-0.01	-0.05	0.01	-0.01							

Project	BHID	From m	To m	Sample_i	WO3	Mo	Sn	Cu	Pb ppm	Zn ppm	Ag	Bi	S	SG	Rock
Dolphin W	KI112	332.7	333.7	74468	-0.01	-0.05	0.01	0.01							
Dolphin W	KI112	333.7	334.7	74469	0.11	-0.05	0.02	0.03							
Dolphin W	KI112	334.7	335.7	74470	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	335.7	336.7	74471	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	336.7	337.7	74472	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	337.7	338.7	74473	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	338.7	339.7	74474	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	339.7	340.7	74475	0.15	-0.05	0.01	0.07							
Dolphin W	KI112	340.7	341.7	74476	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	341.7	342.6	74477	0.01	-0.05	0.01	0.01							
Dolphin W	KI112	342.6	343.6	74478	-0.01	-0.05	0.02	-0.01							
Dolphin W	KI112	343.6	344.6	74479	-0.01	-0.05	0.01	-0.01							
Dolphin W	KI112	344.6	345.6	74480	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI112	345.6	346.6	74481	-0.01	-0.05	-0.01	-0.01							

Tim Callaghan Resource and Exploration Geology - Drill Log

BHID KI113

Collar

Project	BHID	Easting	Northing	RL	Depth	Date	Geologist
Dolphin W	KI113	243430.3	5561056.1	142.8	152.7	29/04/2023	TC

Surveys

Project	BHID	Depth	Azm_Amg	Dip
Dolphin W	KI113	0	270	-80
Dolphin W	KI113	50	278.3	-80.6
Dolphin W	KI113	100	278	-80.6
Dolphin W	KI113	150	280	-80.8

Hole Sizes

From	Size
0	HQ
36.1	NQ

Drilled By

Spauldings

Analyses By

ALS

Summary Log

0 - 8.7m Soil and clay.
8.7 - 64.2 Upper Grassy Group Volcanics
64.2 - 87.0 B lens
87.0 - 120.1 Polymict breccia with variable pgh and bh skarn
120.1 - 122.9 C Lens??
122.9 - 143.5 Laminated bh, pgh and dolomite (Banded Footwall beds?)
143.5 - 152.7 Adamellite/granite

Comments

KI113 is an exploration drillhole testing the Investigator 21 to Investigator 22 area west of the Grassy Granodiorite.

Significant Intersections

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dol+A3:L1	KI113	0	0.9	Q	SAND		C2					Orange and cream sandy-clay soil. Aeolian sand cover. 0.7m core loss.
Dolphin W	KI113	0.9	4.2	Cgg	CLAY	Cy	O		Gd			Orange/yellow clay from deeply weathered basaltic volcanics. Core loss.
Dolphin W	KI113	4.2	8.7	Cgg	CLAY	CyCh	A3					Dark grey, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite rich upper volcanic basalt. Core loss
Dolphin W	KI113	8.7	10.2	Cgg	uv	CyCh	G3					Dark grey, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite rich upper volcanic basalt. Broken unweathered biotite hornfels. Clay seams. Core loss in clay weathered zones.
Dolphin W	KI113	10.2	16.2	Cgg	CLAY	CyCh	A3					Dark grey, clay weathered basaltic volcanics. Deep weathering of actinolite-biotite rich upper volcanic basalt. Core loss
Dolphin W	KI113	16.2	25.3	Cgg	bh	Bi	A3		Gd			Broken, dark brown/grey biotite altered basaltic lithic volcaniclastic siltstone. Strongly hornfelsed with pervasive biotite alteration. Broken with core loss and clay seams.
Dolphin W	KI113	25.3	25.4		f	CyCh	G5		Ft			Puggy brittle fault. Chloritic clay infill.
Dolphin W	KI113	25.4	30.1	Cgg	bh	BiPx	B5		Sp	Bd	85	Laminated, dark brown basaltic lithic volcaniclastic siltstone and sandstone. Pervasive biotite alteration. Numerous flattened nodules of dolomite with pyroxene skarn alteration rims.
Dolphin W	KI113	30.1	30.3	Dg	ap	SiSe	C3		Sp			Pegmatite-aplite dyke. Coarse crystalline kfeldspar biotite and quartz with aplitic interior. Zoned dyke. Strong silica-sericite alteration.
Dolphin W	KI113	30.3	42.8	Cgg	bh	BiPx	B5		Sp	Bd	85	Laminated, dark brown basaltic lithic volcaniclastic siltstone and sandstone. Pervasive biotite alteration. Numerous flattened nodules of dolomite with pyroxene skarn alteration rims. Broken core with vughy leached zones.
Dolphin W	KI113	42.8	55.5	Cgg	GABB	PxBi	G4		Ft			Massive, dark green/brown medium grined pyroxene-biotite-actinolite gabbro. Strongly hornfelsed with pervasive actinolite-chlorite-biotite alteration. Biotite spotting.
Dolphin W	KI113	55.5	64.2	Cgg	bh	BiPx	B5	0	Gd	Bd	85	Laminated, dark brown basaltic lithic volcaniclastic siltstone and sandstone. Pervasive biotite alteration. Numerous flattened nodules of dolomite with pyroxene skarn alteration rims. Increasingthin 1-4cm bands of dolomite down hole. Grossular bands on margins. Minor pyrite on jt surfaces.
Dolphin W	KI113	64.2	67.9	Blens	ch	PxGt	W	0	Gd	Bd	85	Dominantly white recrystalised dolomite/marble with interbands of biotite altered basaltic siltstone. Strong metasomatic banding with grossular-andradite to pyroxene margins.

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
Dolphin W	KI113	67.9	69.8	Cgg	bh	BiPx	B5	0	Gd	Bd	85	Laminated, dark brown basaltic lithic volcaniclastic siltstone and dolomite. Pervasive biotite alteration. Metasomatised margins of dolomites with grossular-pyroxene layers.
Dolphin W	KI113	69.8	73.9	Blens	ch	PxGt	W	0	Gd	Bd	85	Dominantly white recrystalised dolomite/marble with interbands of biotite altered basaltic siltstone. Strong metasomatic banding with grossular-andradite to pyroxene margins.
Dolphin W	KI113	73.9	78.7	Blens	pgh	PxGt	W	0	Gd	Bd	85	Dominantly white recrystalised dolomite/marble with interbands of biotite altered basaltic siltstone. Strong metasomatic banding with grossular-andradite to pyroxene margins. Increased alteration with more garnet. Talcy margins of dolomite. Minor bands of scheelite 75.4 - 76.4.
Dolphin W	KI113	78.7	81.1	Blens	ph	Px	G3		Sp			Laminated, dark green pyroxene skarn. Metasomatised basaltic volcaniclastic. Minor dolomite bands. Soft talcy crush zones.
Dolphin W	KI113	81.1	87	Blens	ch	Ca	A4					Massive, grey dolomite/marble. Strongly hornfelsed and recrystallised. Minor metasomatic pyroxene-grosular nodules around fine fractures. Aplite dyke 83.4 - 83.5
Dolphin W	KI113	87	90.6	Cgg	bh	BiPx	B4		Gd			Massive, dark brown polymict volcaniclatic breccia. Matrix supported angular clasts of dolomite and basalt in intensely biotite altered matrix. Strongly metasomatised.
Dolphin W	KI113	90.6	93.8	Cgg	pgh	PxGt	G3		Gd	Bd	85	Massive to banded, polymict volcaniclastic breccia. Large matrix supported clasts of dolomite. Intensely metasomatised with pervasive pyroxene alteration and banded and replacement grossular. Trace scheelite.
Dolphin W	KI113	93.8	116.9	Cgg	bh	BiPx	B4		Sp	Bd	85	Massive, dark brown polymict volcaniclastic breccia. Matrix supported angular clasts of dolomite and basalt in intensely biotite altered matrix. Strongly metasomatised. Minor patchy weak pyroxene and grossular metasomatism. Low angle vughy calcite vein 102.9-103.9m. May have some scheelite?
Dolphin W	KI113	116.9	117.4	Cgg	pgh	PxGt	B3		Sp			Massive, polymict volcaniclastic breccia. Large matrix supported clasts of basalt and dolomite. Intensely metasomatised with pervasive pyroxene alteration and banded and replacement grossular. Trace scheelite (<0.1%).
Dolphin W	KI113	117.4	120.1	Cgg	bh	BiPx	B4		Ft	Bd	85	Massive, dark brown polymict volcaniclastic breccia. Matrix supported angular clasts of dolomite and basalt in intensely biotite altered matrix. Strongly metasomatised.
Dolphin W	KI113	120.1	121.4	Clens	gh	PxGt	B3		Sp			Brown and white garnet skarn and dolomite. Partially metasomatised dolomite. Coarse andradite in marble-grossular matrix. Trace disseminated scheelite (<0.1%).
Dolphin W	KI113	121.4	121.9	Cgg	bh	BiPx	B4		Ft	Bd	85	Massive, dark brown polymict volcaniclastic breccia. Matrix supported angular clasts of

Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
												dolomite and basalt in intensely biotite altered matrix with pyroxene bands. Strongly metasomatised.
Dolphin W	KI113	121.9	122.9	Clens	gh	PxGt	B3		Sp			Brown and white garnet skarn and dolomite. Partially metasomatised dolomite. Coarse andradite garnet in marble-grossular matrix. Trace disseminated scheelite.
Dolphin W	KI113	122.9	124.6	Cgg	bh	BiPx	B4		Sp	Bd	85	Massive, dark grey brown intensely biotite altered basaltic volcaniclastic siltstone with green bands of pyroxene skarn. Intensely metasomatised.
Dolphin W	KI113	124.6	127.3	Cgg	pgh	GtPx	B3		Gd	Bd	80	Banded garnet-pyroxene skarn with lesser bands of biotite hornfels. Coarse grossular nodules and remnant banded dolomite. Minor coarse andradite. Green pyroxene selvedge banding. Trace scheelite (<0.1%).
Dolphin W	KI113	127.3	130.7	Cgg	bh	BiPx	B4	0.10	Sp	Bd	85	Massive, dark grey brown intensely biotite altered basaltic volcaniclastic siltstone with green bands of pyroxene skarn. Intensely metasomatised. Minor dissem Po-Mo.
Dolphin W	KI113	130.7	132.7	Cgg	pgh	GtPx	B3		Gd	Bd	80	Banded garnet-pyroxene skarn with lesser bands of biotite hornfels. Coarse grossular nodules and remnant dolomite. Minor coarse andradite. Green pyroxene selvedge banding. Trace scheelite (<0.1%).
Dolphin W	KI113	132.7	135.8	Cgg	bh	BiPx	B4	0.10	Sp	Bd	85	Massive, dark grey brown intensely biotite altered basaltic volcaniclastic siltstone with green bands of pyroxene skarn. Minor garnet nodules. Intensely metasomatised. Blebs of pyrrhotite.
Dolphin W	KI113	135.8	140.5	Cgg	pgh	GtPx	B3		Gd	Bd	80	Banded garnet-pyroxene skarn with lesser bands of biotite hornfels. Coarse grossular nodules and remnant banded dolomite. Minor coarse andradite. Green pyroxene selvedge banding. Sparse bands of scheelite with garnet bands (to 0.1%). Trace disseminated molybenite and pyrrhotite.
Dolphin W	KI113	140.5	143.5	Cgg	ph	PxBi	G4	0.10	Sp			Banded biotite-pyroxene skarn with thin dolomite bands and minor garnet. Intensely hornfelsed and metasomatised. Minor thin aplite dykes. Pegamatite at 142.5 - 143.5. Minor scheelite in thin 2-5cm pyroxene bands (0.1-0.2%). Coarse trace molybdenite in dykes. Minor disseminated pyrite on bedding planes. Disseminated Po-Cpy.
Dolphin W	KI113	143.5	152.7	Dg	ad	BiSe	A2	0.10				Massive to breccciated quartz-plagioclase-Kfeldspar-biotite granodiorite. Brecciated margin with large pegmatite vein and aplitic dykes. Xenothic biotie hornfels in breccia. Becomes coarse and more homogenous down hole. Minor disseminated molybdenite. EOH

Assay Sheet															
Project	BHID	From m	To m		WO3 %	Mo %	Sn %	Cu %	Pb ppm	Zn ppm	Ag	Bi	Mo	As ppm	Rock
Dolphin W	KI113	59	60	74482	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	60	61	74483	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	61	62	74484	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	73.4	74.4	74485	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	74.4	75.4	74486	0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	75.4	76.4	74487	0.04	-0.05	-0.01	-0.01							
Dolphin W	KI113	76.4	77.4	74488	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	77.4	78.4	74489	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	120.1	121.4	74490	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	121.4	121.9	74491	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	121.9	122.9	74492	0.02	-0.05	-0.01	-0.01							
Dolphin W	KI113	122.9	123.9	74493	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	123.9	124.6	74494	0.04	-0.05	-0.01	-0.01							
Dolphin W	KI113	124.6	125.6	74495	0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	125.6	126.6	74496	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	126.6	127.3	74497	0.1	-0.05	-0.01	-0.01							
Dolphin W	KI113	127.3	128.3	74498	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI113	128.3	129.3	74499	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI113	129.3	130.7	74500	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI113	130.7	131.7	74501	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	131.7	132.7	74502	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	132.7	133.7	74503	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	133.7	134.7	74504	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI113	134.7	135.8	74505	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	135.8	136.8	74506	-0.01	-0.05	-0.01	0.02							
Dolphin W	KI113	136.8	137.8	74507	0.03	-0.05	-0.01	0.02							
Dolphin W	KI113	137.8	138.8	74508	0.08	-0.05	-0.01	-0.01							
Dolphin W	KI113	138.8	139.8	74509	-0.01	-0.05	-0.01	-0.01							
Dolphin W	KI113	139.8	140.5	74510	-0.01	-0.05	-0.01	0.01							
Dolphin W	KI113	140.5	141.5	74511	0.01	0.05	-0.01	0.01							
Dolphin W	KI113	141.5	142.5	74512	0.61	-0.05	-0.01	0.06							
Dolphin W	KI113	142.5	143.5	74513	0.03	-0.05	-0.01	0.04							
Dolphin W	KI113	143.5	144.5	74514	-0.01	-0.05	-0.01	-0.01							