



Mineral Resources Tasmania

REPORT 1993/18

Catalogue of data relating to King Island Scheelite Ltd

by N. J. Turner

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INTRODUCTION

This report is a catalogue of information relating to King Island Scheelite Ltd's mines and prospects around Grassy, King Island. The catalogue lists reports; maps, plans and cross sections; drill logs; and diamond drill core that was salvaged from the Grassy core store shortly after the Dolphin mine closed on 30 November 1990.

Most data post-date 1969 and relate to the Dolphin and Bold Head underground mines, with relatively little information relating directly to the earlier open-pit operation. Some plans and cross sections of the open pit are stored in vertiplans in the library at Rosny Park, and these are catalogued in the Mines Drafting Room card index. They include charts dating from the 1950s.

Copies of most of a series of geological maps of King Island were obtained from Geopeko at around the time that the Dolphin mine closed. The details are recorded in this catalogue.

REPORTS

Appendix 4 includes all the company reports that could be identified which relate to tungsten prospecting and mining in the southeast of the island. Some report titles were derived from the EL 15/66 relinquishment report (Brown, 1987). Some reports relating specifically to the mines were obtained directly from the Grassy offices at the time the Dolphin mine closed. At around the same time, the company submitted several reports concerned with the closure directly to the Department of Mines.

Subjects covered in the Company reports include survey methods, environmental rehabilitation, re-accessing Dolphin mine, resources and reserves, ore geology, prospecting, geophysics and engineering geology.

Several theses and a number of external publications on the scheelite deposits are included in the list but such reports are more adequately covered in Brown (1990). Reports on work by Geopeko Ltd elsewhere on King Island are listed in Mineral Resources Tasmania's 'TASXPLO' data base.

MAPS, PLANS, CROSS SECTIONS, ETC.

At the time of the Dolphin mine closure King Island Scheelite Ltd forwarded to the Department transparencies of mine level plans, geological level plans, and geological cross sections for both the Dolphin mine and Bold Head mine. They also forwarded transparencies of data relating to their mine survey, and transparencies of their 1:500 topographic series. The various transparencies are stored in map cylinders in the strongroom at Rosny Park. These map cylinders and their contents are itemised in Appendix 1. There are two bound sets of coloured geological cross sections in the TASXPLO collection: 93-3452A (Dolphin) and 93-3464 (Bold Head).

Dyeline copies of a 1:12 000 scale series of geological maps covering most of King Island were obtained from Ian Mathison, Geopeko Ltd, at the same time as Dolphin mine closed. They were coloured in and are stored in a vertiplan in the cartographic drafting room, Rosny Park under numbers 5449. Unfortunately two sheets of the nineteen

map series were unavailable. Even so, the collection represents an important data set of good quality.

DRILL LOGS, SURVEY LEDGERS

King Island Scheelite Ltd forwarded all its drill logs to the Department when Dolphin mine closed. They are in ten 'Ar-Kive' boxes and one brown cardboard box in Room 68, Rosny Park. The logs are bound in folders with 3-4 folders per box. The contents of the boxes and folders are listed in Appendix 2.

DIAMOND DRILL CORE

At the time of the Dolphin Mine closure the Chief Inspector of Mines (R. Billingham) recommended that an attempt be made to salvage diamond drill core for alternative storage.

The KIS Mining Superintendent (Alan Fudge), along with Ian Mathison (Geopeko) and N. Turner (Department of Resources and Energy), selected a container load of core which was shipped to the Mornington core store. The criteria for selecting the core were that it should be representative of :-

1. the remaining, in-ground resource, and
2. the overall mineralised succession.

Appendix 3 is a tabulation of the KIS diamond drill core that is stored at Mornington. The drill holes and the intervals selected for permanent storage can be located on the various mine geological cross sections.

[5 August 1993]

APPENDIX 1

Maps, plans, cross sections, etc.

Topographic Charts, Etc.

Map cylinder 1

04GD01- 001	Tabulation of co-ordinates: Latitude and Longitude; AMG, ISG, Mine co-ordinates (see TCR 93-3460)				
002	Grassy and environs 1:5000: Survey control points (see TCR 93-3460)				
04GD03	Grassy and environs: Index to 1:500 topographic series				

Grassy and environs 1:500 topo series

04GD03-	0008	1-3-27	04GD03-	0060	1-3-12
	0089	1-3-28		0068	1-3-14
	0090			0069	1-3-15
	0091			0070	1-3-16
	0092	1-3-30		0078	1-3-18
	0093	1-3-31		0079	1-3-19
	0095	1-3-33		0080	1-3-20
	0096A	1-3-34		0081	
-	-			0082	1-3-21
KG3-	101	Bold Head grid in relation to ISG.			

Grassy and environs 1:500 topographic series

Map cylinder 2

04GD03-	0137	1-3-71	04GD03-	0116	1-3-52
	0096			0117	1-3-53
	0097	C-2		0118	1-3-54
	0098			0119	1-3-55
	0099	1-3-37		0123	1-3-58
	0103	1-3-40		0124	1-3-59
	0106	1-3-43		0125	1-3-60
	0107	1-3-44		0126	1-3-61
	0108			0127	1-3-62
	0114	1-3-50		0128	1-3-63
	0115	1-3-51		0134	1-3-68

Grassy and environs 1:500 topographic series

Map cylinder 3

04GD03-	0086	1-3-25	04GD03-	0037	1-3-1
	0087	1-3-26		0038	
	0097A	1-3-35		0047	
	0085			0048	
	1001			0049	
	0098I			0057	
04OC03-	1001			0058	
	1002			0059	

Dolphin mine level plans

Map cylinder 4

04DM14-	1010	04DM14-	1100
	1020, 1021		1051
	1030	04DM15-	1043
	1040		1044
	1049		1011
	1059		1055
	1131		1070
	1140		1080
	1201		1050
04DM15-	1001-1009		1032
	1011-1017		1043
04DM14-	1110		1042
	1060		1054
	1071		1120
	1091		1150

Dolphin mine level plans

Map cylinder 5

04DM14-	1130	04DM15-	1051-1053
04DM15-	1018-1031		1056-1058
	1067, 1068, 1068		1070-1072
	1045-1049		1077, 1078

Dolphin mine geological level plans

Map cylinder 6

06-KG2-06	-50E, 60E, 70E, to 310E
	-250S, 260S, 270S, to 310S

Dolphin mine geological cross sections

Map cylinder 7

01-KG2-01-	007S	220120E S. Extension
	008S	220160E S. Extension
	010S	220180E S. Extension
	011S	220200E S. Extension
	012S	220220E S. Extension
	016S	220300E S. Extension
KG2-01		219680E
		219720E, 219760E to 219920E
		219920E, 219940E to 220040E
		220040E, 220050E, 220060E
		220060E, 220080E to 220360E
		220360E, 220400E

Bold Head mine level plans

Map cylinder 8

04BH14-	1001-1008	04BH15-	1002, 1003
	unnumbered	04BH15-	102-93 to 99
	1009-1015		103-85 to 95

*Bold Head mine level plans**Map cylinder 9*

04BH15-	105-99	04BH15-	105-89 to 91
	unnumbered		105-93 to 98
	106-92		106-89 to 91
	104-93 to 99		106-93 to 97
	unnumbered		

*Bold Head mine level plans**Map cylinder 10*

04BH15-	107-97 to 99	04BH15-	111-96 to 99
	108-98, 99		112-98, 99
	108-99		113-98, 99
	109-95 to 99		114-98, 99
	110-97 to 99		

*Bold Head mine geological level plans**Map cylinder 11*

	920 m RL	KG3-252-	005	1046
KG3-252	975		001	972
	1025		002	987
KG3-252-007	950			965
	1000			960
	850, 860, to 910		006	
	1050		003	1002
	1075		004	1018

*Bold Head Mine geological cross sections — 'B' Lens Fault Block**Map cylinder 12*

10300N, 10325N, to 10725N (18 sheets).

*Bold Head mine geological cross sections**Map cylinder 13*

KG3-211-	150	10150N	KG3-211-	550	10550N
	200	10200N		575	10575N
	250	10250N		600	10600N
	275	10275N		600A	10612.5N
	300	10300N		625	10625N
	325	10325N		637.5	10637.5N
	350	10350N		650	10650N
	375	10375N		675	10675N
	400	10400N		700	10700N
	425	10425N		725	10725N
	450	10450N		750	10750N
	475	10475N		775	10775N
	500	10500N		800.25	10800.25N
	525	10525N			

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Geological map sheets

Map cylinder 14

KGR 26, 27, 28, 29, 30 Grassy-Bold Head 1:5000
KGR 31 Red Hut-Grassy 1:5000
KGR 20 King Island interp. 1:63 360
Bold Head area — zones of exploration potential 1:5000, 1982.
Legend for all regional geological plans.

Geological map sheets King Island 1:12 000 series

Vertiplan — Cartographic drafting

KGR 1, 2, 3
 5, 6, to 12
 14, 15, to 19

APPENDIX 2

Drill logs, survey ledgers

Dolphin/Open Cut — Box 1

Surface ddh's — Dolphin, Open Cut	101-200	Surface ddh's — Dolphin, Open Cut	201-300
Surface ddh's — Dolphin, Open Cut	301-410	Underground ddh's — Dolphin	220240

Dolphin/Open Cut — Box 6

Underground ddh's Dolphin	220000-220020	Surface ddh's Dolphin, Open Cut	411-465
Underground ddh's Dolphin	220330-220340/46	Underground ddh's Dolphin	220320

Dolphin/Open Cut — Box 9

Surface ddh's Dolphin, Open Cut	466-480	Underground ddh's Dolphin	220120
?Underground ddh's Dolphin	219840-219980	Underground ddh's Dolphin	220080-220100

Dolphin/Open Cut/Field Drilling — Box 4

Field drilling A		Field drilling B	
Underground ddh's Dolphin	220260-220290	Surface ddh's Dolphin, Open Cut	1-100

Dolphin — Box 8

Underground ddh's Dolphin	220200	Underground ddh's Dolphin	220230/47-220360
Underground ddh's Dolphin	220200	Underground ddh's Dolphin	220180-220190

Dolphin — Box 10

Underground ddh's Dolphin	220140	Underground ddh's Dolphin	220150-220160
?Underground ddh's Dolphin	220300	Underground ddh's Dolphin	220040-220075

Bold Head — Box 2

ddh's Bold Head	10150-10300	ddh's Bold Head	10410-10450/7
ddh's Bold Head	10350-10400		

Bold Head — Box 3

ddh's Bold Head	10500/5-10520	ddh's Bold Head	10325N
ddh's Bold Head	10450/8-10500/4	ddh's Bold Head	10525-10535

Bold Head — Box 5

ddh's Bold Head	10615-10650	Surface ddh's Bold Head	277-310
ddh's Bold Head	10575/6-10605	ddh's Bold Head	10550-10575/5

Bold Head — Box 7

ddh's Bold Head	10650-10675	Surface ddh's Bold Head	221-270
Surface ddh's Bold Head	311-374	ddh's Bold Head	10655-10800

Ledgers — Box 11

Drill hole ledgers (2 volumes)		Survey ledgers (2 volumes)	
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APPENDIX 3

Diamond drill core

KING ISLAND SCHEELITE — BOLD HEAD MINE

Diamond drill core from remaining resource (1991)

See mine cross sections and level plans stored in the strongroom, Rosny Park; Logs in room 68. Asterisk indicates that no core was retained. See geological charts for meaning of letter symbols.

<i>Section</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>
Open Cut Potential					
10675N	675/14	13.5		Just outside zone	-
10665N	665/2	23			-
10650N	650/7	24		Subgrade min.	11-24
10635N	635/7	31		Subgrade min.	21-31
10625N	625/18	26		Better grade	15-26
10612.5N	615/6	36		Good grade	17-36

Note:

1. See internal company report by Paul Belind on open cut potential. Not currently held by DMMR.
2. At 21.03.1991 not all underground data was to hand, in particular the 1:250 series of sections (KG3-212) which show much of the assay data. These are probably held by Ian Mathison.
3. Identification of 'A', 'B', 'C', Lenses in this listing may be incorrect in places and needs confirmation.
4. All Bold Head holes are prefixed 'BH' in the core shed.

'A' Lens Orebody

10625N	DDH320*	260	56-68	q, Boundary F, 'A', No. 2 F	-
10612.5N	615/6*	36.2	16-36.2	Just below open cut	-
	DDH264	259.4	173-190	'C', upper	163-221
10600N	DDH234		(see KG3-212 series)	0-209	
	DDH374	50.4	30-45	'A' between Boundary F and No. 2 F	(29-34 40-60)
10575N	DDH282	292.0	0-292	'A', No. 2 F, mv, ap, 'B', 'C', in three horizons, ad	(19-211 215-238 238-292)

Fault Block Orebody

Equivalent to 'B' Lens between Boundary F and No. 2 F

10550N	550/2*	37.87	0-25	'B', Boundary F	
	550/3	63.7	0-52	'B', five horizons	0-59
10300N	300/1	138.50	84-105	'B', No. 2 F	84-139
			105-138.50	'C' W of No. 2 F, two horizons	
	300/2*	132.70	73-100	'B', one horizon	
	300/3	102.40	51-64	'B', two horizons	(45-60 60-68)
			90-102.4	minor F, 'B', Boundary F	86-95

'B' Lens Orebody

Mined out

'C' Lens Orebody

'C' upper — may be in two parts

'C' lower — may be in two parts

'C' West — west of Western Fault

10675N	675/9	69.30	38-56	'C' Lens	?
	665/1	10.22	0-10.22	Western F, 'B' west	0-10

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<i>Section</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>
10650N	650/6	67.5	36-67.5	'C' west, two horizons	36-68
	DDH243*	153.1	93-109	mv, ad, 'B' west	
				150-155.1	upper 'C' west
	DDH320	261.2	158-230	'C', two horizons, lower horizon (? 'D')	197-237
10637.5N	635/8	31.2	15-31.2	'C' west, upper horizon	22-29
10625N	625/4*	110.64	73-88	Western F, 'C' west, upper horizon	
10612.5N	DDH268	206.3	255-276	'C' west, ad	155-178
	DDH264	259.4	175-190	'C', upper horizon	?
10600N	600/13	62.7	36-59	'C' west, four horizons	37-59
	600/6*	121.0	43-86	'C', three horizons	
	600/8	115.0	45-79	'C', three horizons	43-79
	600/7*	119.5	49-80	'C', two horizons	-
10575N	575/10	65.0	40-65	'C' west, two horizons	34-65
	575/16*	8.0	0-8	'C', upper horizon	-
	575/6	125.10	42-105	'C', three horizons with isolated, deeper lens (? 'D')	(36- 82 82-111)
10550N	DDH301*	175.3	127-145	'B' west, ad	-
	550/8	86.5	43-76	'C', two horizons	43-80
	550/1*	152.7	80-110	'C', two horizons	-
10525N	525/13*	25.0	0-25	'C' west, two horizons	-
	525/11	30.0	0-30	'C' west, three horizons	?
	DDH251*	245.3	175-220	'C' west, ad	-
10475N	DDH312*	199.0	154-172	'B' west, only economic if nearby access available	
10450N	450/12	85.2	45-85.2	'C' west, ad	45-85
	450/10	96.50	51-63	'C', upper horizon	52-67
	450/2*	188.0	143-157	'C', two horizons, very high grades in upper	-
10425N	DDH279	326.7	175-182	'C', upper horizon	173-184
10375N	375/10*	28.3	15-25	'C', min. pgh	-
	375/8	96.0	71-92	'C', lower horizon	68-96
10350N	350/11	64.0	13-45	'C' lens	8-45
	350/12*	99.0	13-36	'C', two horizons	-
10325N	325/2	145.0	105-145	'C', one horizon, lower lens at contact (? 'D'), ad	106-145
10300N	300/5	148.5	110-148.5	'C', lower lens (? 'D'), ad	108-129
	300/1*	138.5	102-138.5	'C', lower lens (? 'D')	-
?	565/2	?	?	?	0-4

KING ISLAND SCHEELITE — PROSPECTS

Diamond drill core for retention (1991)

See company reports (especially TCR 75-1079); drill logs in room 68. Asterisk indicates that no core was retained. See geological charts for meaning of letter symbols.

<i>Prospect</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>
Magnetic Anom. 7	DDH MA7/1	60.35	50–60.35	Thick sand, volc. breccia, no min.	?
Investigator 24	DDH Inv 24/1*	74.68		uv, mine series, no min.	–
	DDH Inv 24/2	201.76	10–30	Ore grade WO ₃ 14.28–15.72	11–25
Investigator 21	DDH Inv 21/1	189.28	80–100	4 m (87.8–91.8) at 0.53% WO ₃ , 0.13% Mo	80–87
	DDH Inv 21/2	189.89	100–120	3 m (110.3–113.3) at 0.54% WO ₃ , 0.19% Mo	(104–112 (120–128
	DDH Inv 21/3	163.37	110–140	1 m (131.3–132.3) AT 0.07% WO ₃ , 0.02% Mo	108–143
	DDH Inv 21/4	103.01	20–103.01	4.5 m (87.6–92.10) at 0.40% WO ₃ , 0.14% Mo	70–105
	DDH Inv 21/5	131.16	105–131.16	2 m (117.40–119.40) at 0.42% WO ₃ , 0.08% Mo	(94–116 (116–130
	DDH Inv 21/6*	131.95		No significant min.	–
	DDH Inv 21/7*	171.90		No significant min.	–
	DDH Inv 21/8*	175.87		Only minor min.	–
	DDH Inv 21/9*	152.40	38–82	Podded hornfels similar hosts in Open Cut. No. min.	–
	DDH Inv 21/10*	177.6	85–110	Minor min. 101–107	–
	DDH Inv 21/11*	173.0	145–160	Ore grade WO ₃ 153.4–153.62 at ad contact	–
	DDH Inv 21/12*	184.20	95–135	Subeconomic WO ₃ in 'C' Lens horizon	–
	DDH Inv 21/13	176	85–95	2 m (90–92) at 0.41% WO ₃	85–100
	DDH Inv 21/14	179	120–130	3 m (123.5–126.5) at 0.57% WO ₃	117–131
Investigator 22	DDH 15/66–2*	232.55 (precol. 155.44)	220–232.5	Minor WO ₃ , ad	–
	DDH Inv 22/1*	208.79		Minor WO ₃ (124.22–127.54, 144.7–147.83), ad	–
Investigator 3	DDH 218*	252.22		uv, mine series, no significant min.	–
	DDH Inv 3/1*	150.45		mine series to q, only minor min.	–
	DDH Inv 3/2*	45.77		mine series, only minor min.	–
	DDH Inv 3/3*	182.46		mine series to q, only minor min.	–
	DDH 214*			uv, us to 130, mine series	–
Investigator 23	DDH Inv 23/1*	123.44		wz, uv, mine series, ad, no significant min.	–
	Note: PDH (percussion) 23 intersected (89–96 m) good WO ₃ nearby				
	DDH Inv 23/2*	124.05		w, us, ad, no significant min.	–
	DDH Inv 23/3*	106.68	90–95	uv, us with thin ch equiv. to PDH23 intersection, ad	–
Investigator 18	DDH 220	126.49		uv	0–35
	DDH Inv 6/4	386.20	180–220	uvwith bh lenses, 8 m (195–203) at 0.52% WO ₃ , ap 174–222	
	DDH EL 15/66–1*	284.89 (precol. 158.88)		uv, minor q–f porphyry, no significant min.	–
	DDH EL 15/66–3*	213.5 (precol. 152.4)		uv, us, no significant min.	–
Investigator 6	Testing sufficient to show no economic resource present (S.G. Brown, 1975)				

KING ISLAND SCHEELITE — DOLPHIN MINE

Diamond drill core from remaining resource (1991)

See mine cross sections and level plans stored in the strongroom, Rosny Park; logs in room 68. Asterisk indicates that no core was retained. See geological charts for meaning of letter symbols.

<i>Section</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>
Upper Pit Orebody					
219920E	920/1	18.2	6–18.2	'C' Lens	0–18
	920/2	28	7–25	'C' Lens	0–28
219960E	960/8	20	0–20	'C' Lens	0–20
	DDH468	255	0–255	uv, 'B', 'C', lv, ad	(0–140 (140–255
Lower Pit Orebody					
220120E	120/2	104.24	13–18	'B' Lens	11–18
			69–87	'C' Lens	69–91
	120/21	119.6	61–90	'C' Lens	56–91
	120/8	110.64	70–94	'C' Lens	64–99
	120/10	155.90	15–30	'B' Lens	15–31
73–103			'C' Lens	68–104	
220140E	120/18	58.0	11–32	'C' Lens	7–37
	140/6	119.6	48–59	'C' Lens	44–58
			65–119.6	'C', Central Fault	65–120
220160E	140/4	114.5	0–40	'C' Lens	0–40
	140/8	109.3	45–96	Shag Fault, 'C', Osprey Fault, Central Fault	(44– 58 (58–100
	140/7	60.0	16–43	'C', Duck Fault	14–43
220160E	160/6	72.2	0–72.2	'C', Shag Fault	0–78
Central Orebody					
220040E	040/4	43.08	0–43.08	Central Fault, 'C', No. 3 Offset Fault No. 3 Fault, basal q	0–43
220160E	160/4	136.55	70–120	'C', Central Fault, lv	(66– 87 (87–120
220120E	DDH173	98.45	0–98.45	uv, 'B' (min.), 'C', No. 3 Fault, q	0–323
220200E	200/1	105.46	51–80	'C' Lens	48–83
	200/23	91.60	0–15	'C', Wedge Fault	0–16
	200/27	118.50	80–95	'C'	?
Wedge Orebody					
220200E	200/3	81.15	36–65	'C', Wedge Fault	36–66
	200/4	106.88	54–62	'C' Lens	52–66
	200/5A	91.97	57–76	'C' Lens	52–67
	200/10	65.84	60–65.84	'C' Lens	59–66
	200/6	153.31	65–100	'C' Lens	59–100
220240E	240/7	77.49	41–73	'C' Lens	36–73
	240/6*	80.16	38–65	'C' Lens	–
	240/4	107.62	0–107.62	'C' Lens	(0–73 (73–108
	240/1*	92.63	37–73	'C' Lens	–
	240/2	100.41	32–72	'C' Lens	28–78
	240/3*	94.95	33–80	'C' Lens	–
	240/5	172.90	32–118	'C', Central Fault	27–125
220280E	280/3	112	46–70	Decline Fault, 'C'	38–75
	280/4	140.3	65–75	'C' Lens	61–81
			98–115	'C' Lens	84–121
	280/5*	160.5	55–90	'C' Lens	–
	280/6	133.8	72–93	'C' Lens	68–98
DDH210	217.6	154–169	'C' Lens	492–572	

<i>Section</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>	
220320E	320/3	106.3	77-90	'C', Northern Boundary Fault, Decline Fault	78-92	
	DDH403	249.8	0-249.8	Gannet Fault, min. 'B' Lens, 'C', lv	(18-140 (140-169 (177-250	
	320/10*	80.0	0-55	'C' Lens	-	
	320/1A	109.0	44-86	Splay fault, 'C' Lens	44-87	
	320/18	46.70	0-46.70	'C' Lens	29-47	
	320/4	119.3	43-86	'C' Lens	44-88	
	320/5*	127.1	45-110	'C' Lens	-	
	320/17	53.90	0-37	'C' Lens	(0-15 (15-43	
	320/12	80.80	0-80.80	'C', Decline Fault	?	
	320/7	46.30	0-15	'C' Lens	0-15	
	320/11*	61.0	0-61.0	'C' Lens	-	
	320/8	100.50	0-40.0	'C' Lens	0-43	
	320/14	59.60	0-59.60	'C', Central Fault	0-60	
	320/6*	82.30	25-47	'C' Lens	-	
	320/20	50.0	16-42	Central Fault, 'C'	14-47	
	220340E	340/14	54.10	32-54.10	Decline F, 'C', N. Boundary F	32-54
		340/2	67.50	23-51	'C' Lens	20-56
		340/1*	90.5	15-45	'C' Lens	-
		340/4*	64.0	0-64.0	Decline F, splay f, 'C', lv	-
		340/5	95.0	0-95	Decline F, 'C', splay f, lv, ad	0-95
340/10		95.7	27-95.7	'C' Lens	27-96	
340/7*		40.0	0-40.0	'C' Lens	-	
340/12*		40.0	0-40.0	'C', splay fault	-	
340/6		52.60	0-30	'C' Lens	0-36	
340/11*		31.0	0-31	'C', Decline Fault	-	
340/8		78.0	0-68	'C' Lens	0-74	
340/13		45.50	0-45.50	'C', Central Fault	0-46	
340/9*		57.25	0-50	-	-	
340/17*		53.40	0-53.40	-	-	
340/16		77.60	0-57	-	(0-56 (56-63	
220360E		DDH409	313.0	200-313	uv, min 'B', Decline F, ad	197-313
Southern Orebodies						
220020E	020/9	61.8	0-15	'C', Dodo	0-15	
220040E	040/5	137.4	100-137.4	'C', acid dyke, Dodo	99-137	
	040/12	34.58	0-24	'C' Lens, Dodo	0-28	
	040/13	20.0	0-14	'C' Lens, Dodo	0-20	
220120E	120/15	103.0	76-103	'C', lv, ap, Duck F, Auk - check	?	
	120/22	47.8	14-47.8	'C', ap, q, ad, Auk	8-48	
	120/16	133.8	100-133.8	'C', ?Pheasant	97-134	
220160E	160/17	128	23-42	'C', ?Lower Pit	23-45	
			93-104	'C', Auk	93-104	
	160/18	131.5	51-80	'B', Auk	51-81	
			103-131.5	'C', Auk	103-125	
	160/21	84.5	0-18	'B', Auk	0-22	
			45-84.5	'C', lv, ad, Auk	44-85	
	180/11	89.0	29-43	'C', Swan	23-45	
220200E	200/32	52.2	26-52.2	'C', Swan	(19-39 (39-52	
	200/20	135.0	96-112	'C' Swan	95-116	
220240E	240/12	136.0	80-136	Swan F, 'C', ad, Swan	80-136	
	240/14	178.0	154-178	'C', ad, Auk	154-179	

<i>Section</i>	<i>Hole</i>	<i>Length (m)</i>	<i>Relevant intersection(s) (m)</i>	<i>Features</i>	<i>Core retained (m)</i>
220160E (S. ext.)	160/22	151.0	71-151.0	'B', Duck F, 'C', ad, Pheasant	71-151
	160//23	100.0	68-100.0	Duck F, C, ad, Pheasant	58-86
220300E (S. ext.)	300/5	154	108-131	'C', Coast	105-135
	300/8	468	260-468	uv, 'B', ad	(260-265 (272-339 (378-468
?	200/11	?	?	?	94-115
?	DDH404	?	?	?	(26-31 (36-41
?	280/6	?	?	?	68-98
?	200/11	?	?	?	94-115

APPENDIX 4

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Asterisk: Indicates reports that could not be located in the Grassy offices of KIS Ltd at time of Dolphin mine closure.

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