

TASMANIAN ADVANCED MINERALS PTY LTD
P.O.Box 378, Wynyard
Tasmania 7325

EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater
Combined interim report on work in February-March, 2010

Volume 1 of 1

Prepared by N. J. Turner Geological Services Pty Ltd
65 Lochner St, West Hobart, Tasmania 7000

10th April, 2010

CONTENTS

	Page
1 Summary	2
2 Introduction	2
3 Hawkes Creek	
3.1 Work in EL15/2009	3
3.1.1 Bark Hut Road	
3.1.2 Northwest Track	3
3.2 Work in EL35/2003	
3.2.1 Second Hill Southeast	4
4 Blackwater West	
4.1 Work in EL35/2003	
4.1.1 Far West prospect	5
4.2 Work in ML9M2007	
4.2.1 West Track Extension & Little Hill	6
5 Conclusions	7
6 Environmental matters	7
7 References	8

LIST OF FIGURES

- Figure 1 Tenement map
- Figure 2 Work in EL15/2009 & EL35/2003, Hawkes Creek
- Figure 3 Northwest Track test pits
- Figure 4 Resource determination, Second Hill SE
- Figure 5 Work in EL35/2003 & ML9M2007, Blackwater
- Figure 6 Far West Prospect test pits
- Figure 7 West Track Extension test pits & drill holes

LIST OF APPENDICES

Appendix 1 Drill logs for Bark Hut Road	9
Appendix 2 Test pit logs for Northwest Track	11
Appendix 3 Test pit logs for Second Hill SE	15
Appendix 4 Drill logs for Second Hill SE	17
Appendix 5 Test pit logs for Far West prospect	22
Appendix 6 Test pit logs for West Track Extension	30
Appendix 7 Drill logs for Little Hill & West Track Extension	35
Appendix 8 Survey data, Second Hill SE	38
Appendix 9 Chemical & grain size analyses (pending)	39

1 Summary

- Air core/percussion RC drilling and test pitting have led to an upgrade of the resource at Second Hill Southeast, which is in the Hawkes Creek block of EL35/2003. The upgraded resource is 197,520 tonnes of very pale coloured silica flour containing an unspecified amount of waste, mainly hard lump silica.
- This brings the current total resource for the Hawkes Creek Prospect to 354,220 tonnes.
- Test pitting and auger drilling at the Far West Prospect in the Blackwater block of EL35/2003 have delineated a probably minable resource of 83,456 tonnes (first pass estimate) of pale coloured silica flour containing an unspecified amount of waste, mainly hard lump silica.
- Similarly, test pitting and auger drilling at the West Track Extension in ML9M2007 at Blackwater have delineated a probably minable resource of 84,456 tonnes (first pass estimate) of pale coloured silica flour containing an unspecified amount of waste, mainly hard lump silica.
- Further exploration has the potential to upgrade the resources at the Far West Prospect and at the West Track Extension, particularly at the latter. Further exploration is also recommended for the Northwest Track in EL15/2009 at Hawkes Creek as well as for Third Hill Southeast and Fourth Hill Southeast in EL35/2003 at Hawkes Creek.

2 Introduction

Tasmanian Advanced Minerals Pty Ltd has two areas of current interest near the Arthur River in northwest Tasmania. The Hawkes Creek area is just north of the river and the Blackwater area is nearby to the south of the river (Figure 1). EL35/2003 and EL15/2009 cover the Hawkes Creek area while a separate block of EL35/2003 together with ML9M2007 cover the Blackwater area.

The company is actively mining high purity silica sand and silica silt, known locally as silica flour, from the Blackwater area and has previously established that reserves of very high grade silica flour are present in the Hawkes Creek area. During February and March, 2010, further exploration work was carried out with the aims of identifying new resources in both areas and improving the quantitative estimate for the Second Hill Southeast part of the Hawkes Creek resource.

The resource estimates given here are not JORC compliant. For example, the grade of silica flour has been judged according to colour rather than chemical analysis. Pale and very pale colours are regarded as likely to reflect material of commercial quality. A check on these preliminary colour judgements will be provided by detailed chemical analyses that are currently in progress. Therefore,

this report is presented as an interim report that will be finalised when the chemical data are incorporated.

A more intractable problem in relation to resource estimation is uncertainty regarding the ratio of commercial silica flour to waste. At Hawkes Creek and in the western part of Blackwater West the most common waste is silica in the form of silica rock, known locally as lump silica. Some lump silica is weakly coherent and is readily processed along with the silica flour, but other lump silica is too hard to be processed consisting either of very strongly coherent silica flour or crystalline silica. A less extensive form of waste is orange and brown, iron-rich clay. These waste materials occur within the silica flour in bodies that are of such inconsistent size and irregular shape that drilling and pitting cannot establish either their individual or cumulative volume.

In both the Hawkes Creek and the Blackwater deposits the general geological profile comprises a thin upper layer of humus and soil that is underlain a zone of pale coloured silica flour and pale coloured lump silica, then a 'bottom' of dark brown to black, organic-rich sand and/or clay. The resource identified in this report is the pale zone of silica flour and lump silica. Bulk sampling will provide some guide as to the proportion of waste in this resource.

3 Hawkes Creek

3.1 Work in EL15/2009

3.1.1 Bark Hut Road

Bark Hut Road lies to the east of Hawkes Creek and is an area in which soil and Tertiary gravel largely obscure the underlying materials (Everard et al, 1999). Eight air core drill holes were put down (Figure 2) to test for the presence of silica flour below this cover with no success. The drilling showed the superficial materials to be relatively thin and underlain by brown, residual, clay soil that contains fragments of fine grained, pale coloured dolomite (Appendix 1).

3.1.2 Northwest Track

For convenience of description names have been introduced for various parts of the Hawkes Creek prospect. The names are shown in Figure 2. Known silica flour deposits of a commercial nature occur at Second Hill Southeast, First Hill Southeast and Central Ridge (Figure 2). These topographic features are part of a narrow ridgeline that continues northwest out of EL35/2003 into EL15/2009. A seven tonne excavator was used to clear a line along the crest of the north western part of this ridgeline and a series of test pits were excavated on the cleared line (Figure 3, Appendix 2).

Lump silica and silica flour are present on the higher parts of the ridgeline. Brown clay that is exposed in two low sections appears to underlie the silica and indicates that the silica deposit is relatively thin. The deposit in general provided

some very hard digging due to hard coherent silica flour and/or lump of banded fine grained and coarsely crystalline quartz ('lacy agate'). Lump silica dominated many test pits with silica flour being present in relatively small patches or as matrix surrounding lumps of hard silica.

Very pale colours characterise much of the silica flour along the ridgeline indicating good grade. Since excavation in many cases caused considerable disaggregation of the lump silica, it may be that the Northwest Track area has commercial potential although it appears that the waste component would be very high and the deposit may be thin. A bigger excavator would test the area more effectively than has the small 7 tonne Takeuchi.

3.2 Work in EL35/2003

3.2.1 Second Hill Southeast

Previous test pitting (Turner, 2008b) demonstrated the presence of a substantial deposit of high grade silica flour in the Second Hill Southeast at Hawkes Creek. Further test pitting and a program of air core/percussion RC drilling were carried out in the recent round of exploration in order to better establish the boundaries and thickness of the deposit (Figure 4, Appendices 3, 4).

Survey Resources of Launceston carried out a detailed topographic survey of the site (Appendix 8) and combined this data with the depth data provided by TAM to generate a model volume for the deposit which converts to the resource mass as follows:

Model volume	98,760 m ³
Density of silica flour	2 tonnes/m ³
Mass of resource	197,520 Tonnes

The previously determined (Turner, 2008a) resource mass for the combined area of First Hill Southeast and Central Ridge is 156,700 tonnes. Thus, the current total resource figure for the Hawkes Creek prospect is 354,220 tonnes.

There is a substantial amount of waste in the form of hard lump silica in the First Hill Southeast and Central Ridge sections of the Hawkes Creek prospect. Similar waste is present in the Second Hill Southeast section, but it appears to be more restricted, notably to the vicinities of drill holes AC10.21, AC10.33, AC10.26A and AC10.28 (Appendix 4, Figure 4).

The level of the water table was not documented during the February-March round of exploration drilling because the air core/percussion RC drill samples were dry. However, unless ground water flow is strong or there is a pause in drilling that allows water to accumulate in the hole, the RC system will deliver dry samples to the cyclone. The driller noted the presence of water in at least holes AC10.28 and AC10.33.

4 Blackwater West

4.1 Work in EL35/2003

4.1.1 Blackwater Far West Prospect

In the southern part of the Far West Prospect (Figure 5) there is a five metre high cutting in silica flour and lump silica beside the Forestry Tasmania track. To further investigate the lateral and vertical extent of this material a grid of cleared lines was put in with the Takeuchi excavator and test pits were dug at fairly regular intervals along the lines (Figure 6, Appendix 5). Where a test pit bottomed in pale coloured silica flour the vertical extent was further tested by drilling from the bottom of the pit with a 4 m auger hydraulically driven from the boom of the excavator.

Consistent with the other prospects, the general geological profile in the Far West area comprises a thin upper layer of humus and soil that is underlain by a zone of pale coloured silica flour and pale coloured lump silica, then a 'bottom' of dark brown to black, organic-rich sand and/or clay. As well as waste in the form of hard lump silica there is a relatively minor amount of waste in the form of orange and brown clay.

Area A (Figure 6) was found to contain pale coloured silica flour and waste of probably minable thickness that is generally easy to excavate. Some potential exists to increase the volume of resource along the south western margin of Area A where earlier test pitting by TAM showed another 4 m of silica flour and waste below the 5 m cutting that was used in the following estimate.

Area of Area A	10,432 m ²
Average thickness of resource	4 m
Volume of resource	41,728 m ³
Density of silica flour	2 tonnes/m ³
Mass of resource	83,456 tonnes

A resource figure was also estimated for Area B though the resource is generally thin and very hard in places. Further to the north the silica is mostly too hard due to the great predominance of strongly coherent silica flour and hard lacy agate over silica flour.

Area of Area B	16,107 m ²
Average thickness of resource	2.88 m
Volume of resource	46,388 m ³
Density of silica flour	2 tonnes/m ³
Mass of resource	92,776 tonnes

4.2 Work in ML9M2007

4.2.1 West Track Extension and Little Hill

West Track is an old logging track that can be accessed from the western extremity of Blackwater West Mine (Figure 5). Reconnaissance test pitting by TAM found silica flour of good colour and with minor waste on the lower part of the track, across a creek valley from Little Hill. The western extent of this material was investigated in the February-March round of exploration by means of a grid of cleared lines with fairly regularly spaced test pits that were put in with the 7 tonne Takeuchi excavator (Figure 7, Appendix 6). A limited amount of air core/percussion RC drilling was also carried out (Appendix 7).

The geological profile in the West Track Extension is generally similar to that in the other prospects except that the upper 1-2 m of the pale coloured silica zone may be very hard to dig due to strong coherence of the silica flour and the presence of hard lump silica. This proved a difficulty for the small Takeuchi excavator and some pits may have been abandoned without breaking through the hard layer. Despite this there are a good number of pits with probably minable thicknesses of very pale coloured silica flour in Area B (Figure 7), and fewer pits with possibly minable thicknesses of similar silica flour in Area A.

Area of Area A	3912 m ²
Average thickness of resource	2.5 m
Volume of resource	9780 m ³
Density of silica flour	2 tonnes/m ³
Mass of resource	19,560 tonnes
Area of Area B	12,420 m ²
Average thickness of resource	3.4 m
Volume of resource	42,228 m ³
Density of silica flour	2 tonnes/m ³
Mass of resource	84,456 tonnes

Little encouragement was provided by test pitting and drilling to the north and east of Area B. Silica flour of generally poor colour was found in drill product though contamination by material lodged in the drill rods and cyclone was suspected in some instances (Appendix 7). Although TAM's earlier pitting and sampling on West Track returned encouraging results from Pits 4, 5 and 6 (Figure 7), the results from Pits 1, 2, 3 and 7 were poor. Test Pit ATP10.22 on the Top Line returned 6 m of very pale coloured silica flour through a combination of excavation and augering, but the adjacent drill hole AC10.17 returned material of poor colour. Further test pitting and augering may resolve this issue.

Several drill holes were put down in the Little Hill (Figure 7, Appendix 7). Two holes within the mine workings intersected black 'bottom' at 3.5-4 m while a hole just west of the mined area intersected black 'bottom' at 5 m. This latter hole was

located across the creek, opposite the good silica occurrences on West Track (Figure 7). Drill hole AC10.12 on the southern contour track at Little Hill intersected very pale coloured silica flour at 0-4 m and pale silica flour at 5-7 m. Test pitting and augering to further test this area are recommended.

5 Conclusions

An important result of the February-March, 2010, round of exploration work has been the upgrading of the resource at Second Hill Southeast at Hawkes Creek to 197,500 tonnes, bringing the current total resource at Hawkes Creek to 354,220 tonnes. This resource consists of high quality silica flour and an unspecified amount of waste, mainly hard lump silica.

Similar material occurs along strike on the Northwest Track, but there the proportion of hard lump silica is much higher and the digging is much harder. Further testing of the Northwest Track area is recommended in order to determine the thickness of the silica deposit and if excavated material from any part will yield sufficient silica flour to be economic. A bigger excavator will be required, say 20 tonnes. Exploration elsewhere in the Hawkes Creek district at Third Hill Southeast and Forth Hill Southeast (Figure 2) is also recommended.

No encouragement was forthcoming from exploration along Bark Hut Road. However, Bark Hut Road is one part of an interesting belt of country that extends northwest along the Salmon River valley. Other parts of the valley should be explored for silica flour as the opportunity arises.

A probably minable resource of 83,456 tonnes has been identified at the Blackwater Far West Prospect and another probably minable resource of 84,456 tonnes has been identified at West Track Extension, just west of Blackwater Mine. There is potential to increase the Far West resource by further work along the southwest margin of Area A and by using a bigger excavator to test some of the areas of harder digging that defeated the small Takeuchi in Area B.

There appears to be potential to increase the West Track Extension resource by additional pitting and auger work to the south, north and northwest of Area B. Also, more cross lines and pits are required off the northwest segment of the baseline. Silica flour of good colour was found on a cross line just outside ML9m2007, in EL35/2003, and further test pitting is needed to assess this occurrence.

6 Environmental matters

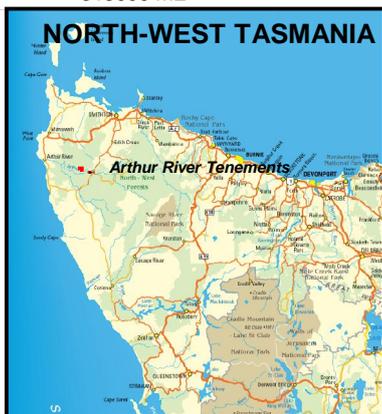
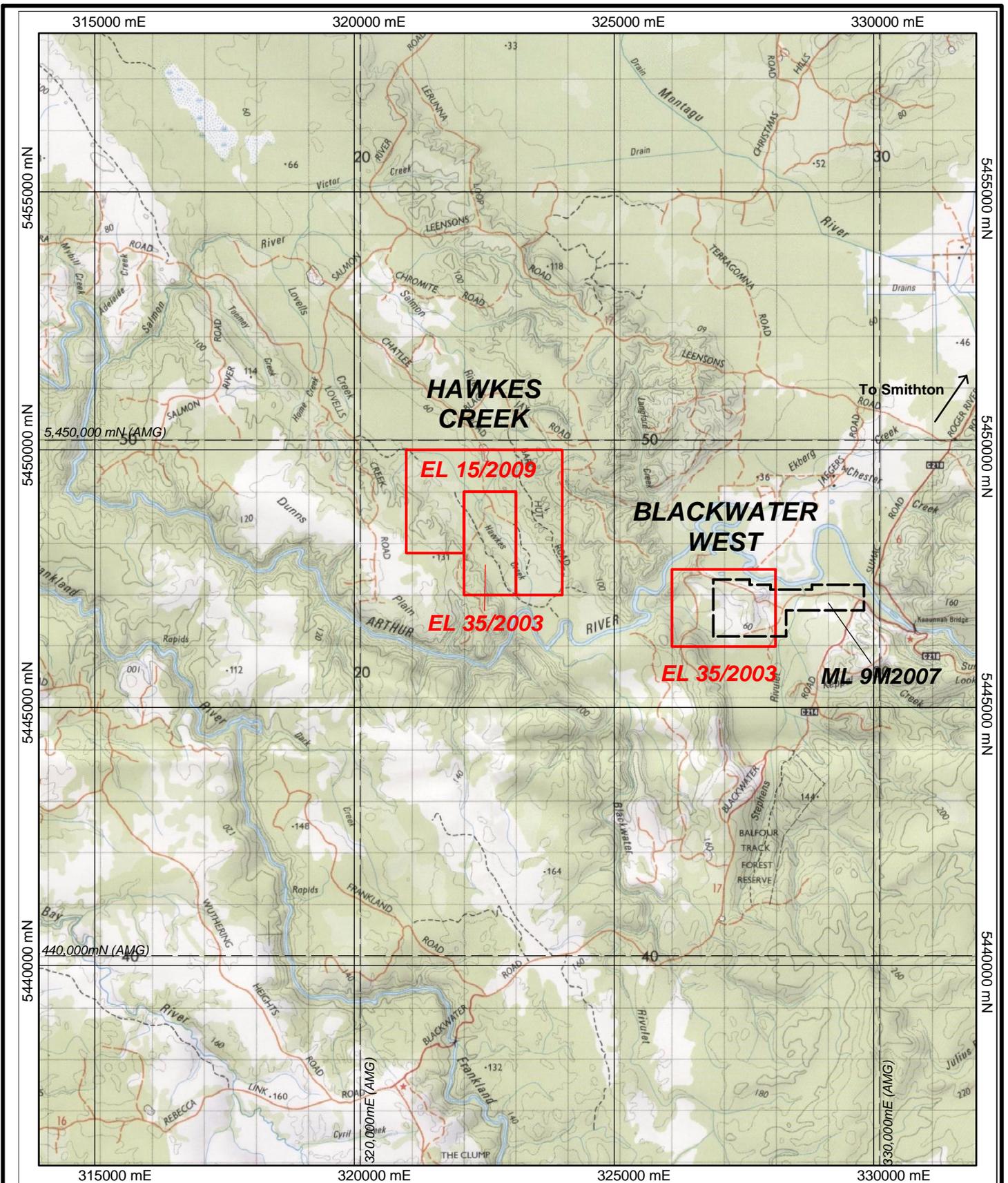
Test pits in all areas were backfilled after logging and sampling. All tracks and cleared lines remain open pending further work.

7 References

Everard J. L., Seymour D. B., Green D. C., McClenaghan M. P. and Brown A. V. 1999. Sumac, Tasmania. Digital Geological Atlas 1:25,000 Series, Sheet 3244. Mineral Resources Tasmania

Turner N. J. 2008a. EL35/03 Stephens Rivulet-Hawkes Creek. Drilling at Hawkes Creek, 2008. Tasmanian Advanced Minerals Pty Ltd

Turner N. J. 2008b. EL35/2003 Stephens Rivulet-Hawkes Creek. Test pitting at Hawkes Creek, December, 2008. Tasmanian Advanced Minerals Pty Ltd



TASMANIAN ADVANCED MINERALS P/L
ARTHUR RIVER TENEMENTS AT 10.04.10

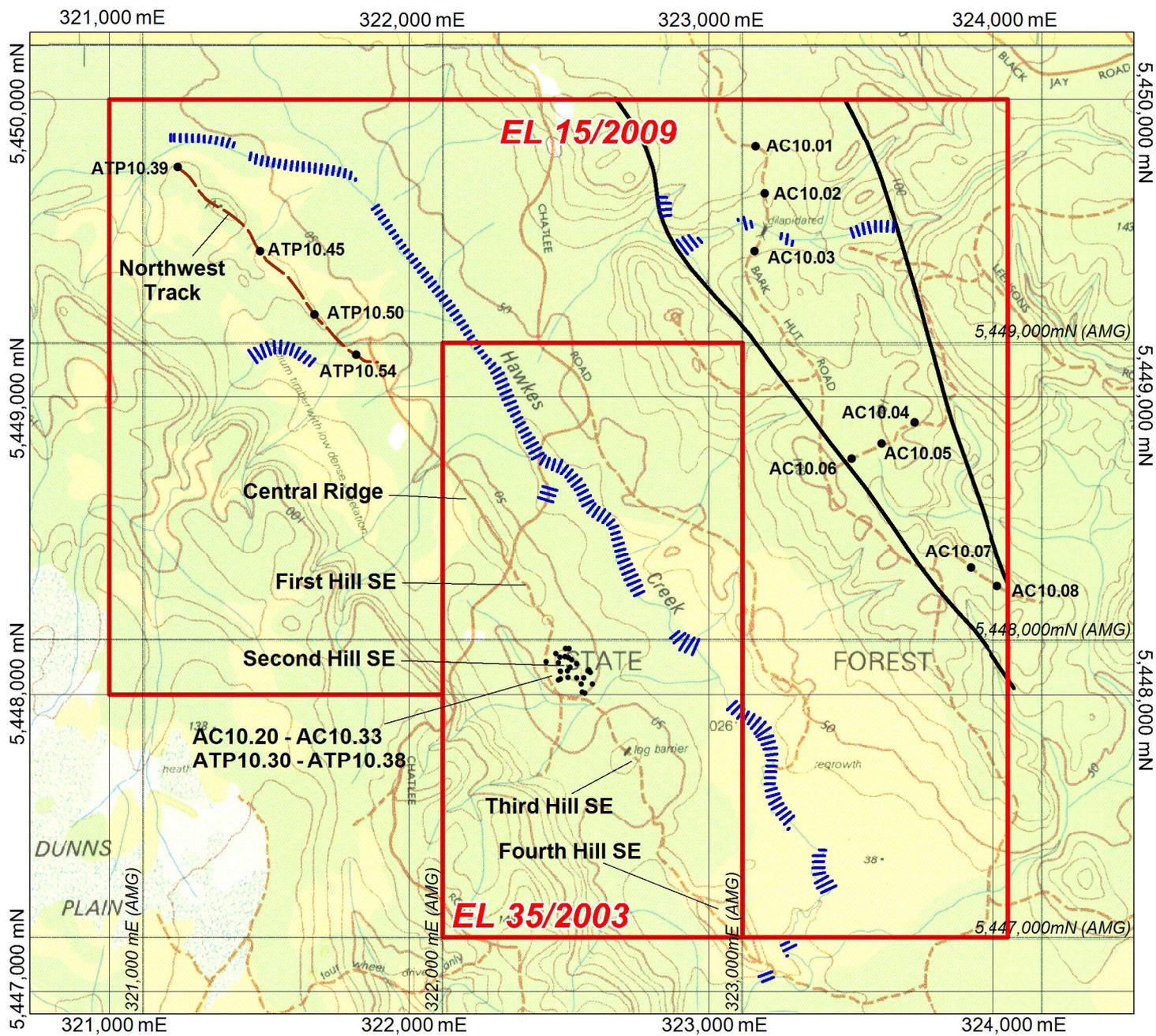
EL 35/2003 STEPHENS RIVULET and HAWKES CREEK
EL 15/2009 - HAWKES CREEK
ML 9M2007 - BLACKWATER

LOCATION PLAN

Compiled : Nic Turner	Drawn : Gillian Bennett	Date : 10/04/10	File : AR-Tenements 100k.wor
--------------------------	----------------------------	--------------------	---------------------------------

Scale: 1:100,000	Projection: MGA Zone 33 (GDA94)	Figure No
		1

N. J. Turner Geological Services Pty Ltd



- **AC10.01** Air core/percussion RC drill hole location and number.
- **ATP10.39** Test pit location and number (selected examples).

-  Dolomite outcrop
 -  Fault
- From Mineral Resources Tasmania "Sumac" map sheet.



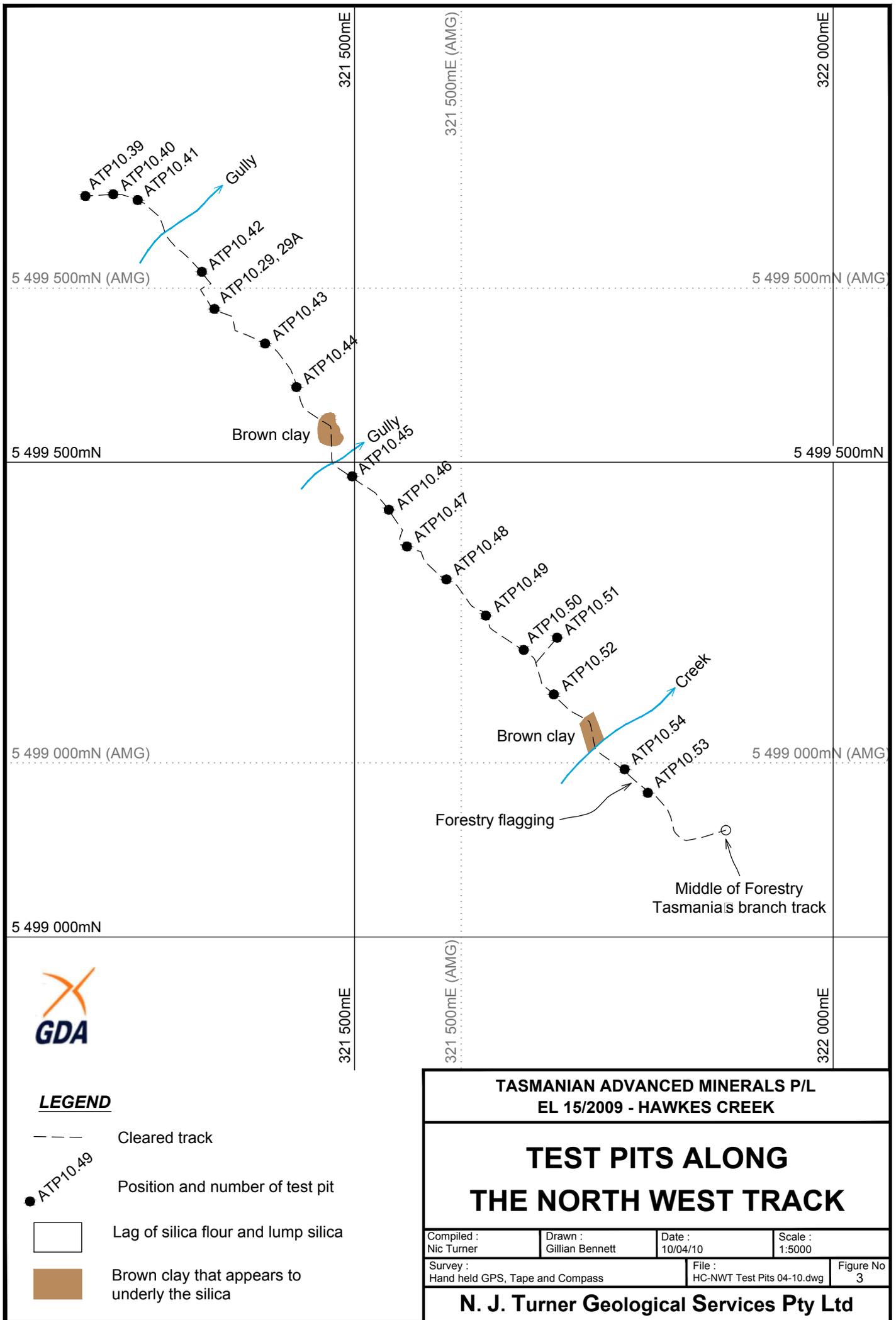
TASMANIAN ADVANCED MINERALS P/L

**EL 35/2000 and EL 15/2009
HAWKES CREEK TENEMENTS
WORK CARRIED OUT
IN FEBRUARY-MARCH 2010**

Compiled : Nic Turner, R. Gregory	Drawn : G. Bennett	Date : 12/4/2010	File : HC-Feb-Mar 20k.wor
--------------------------------------	-----------------------	---------------------	------------------------------

Scale: 1:20000	Projection MGA Zone 55 (GDA 94)	Figure No 2
----------------	---------------------------------	----------------

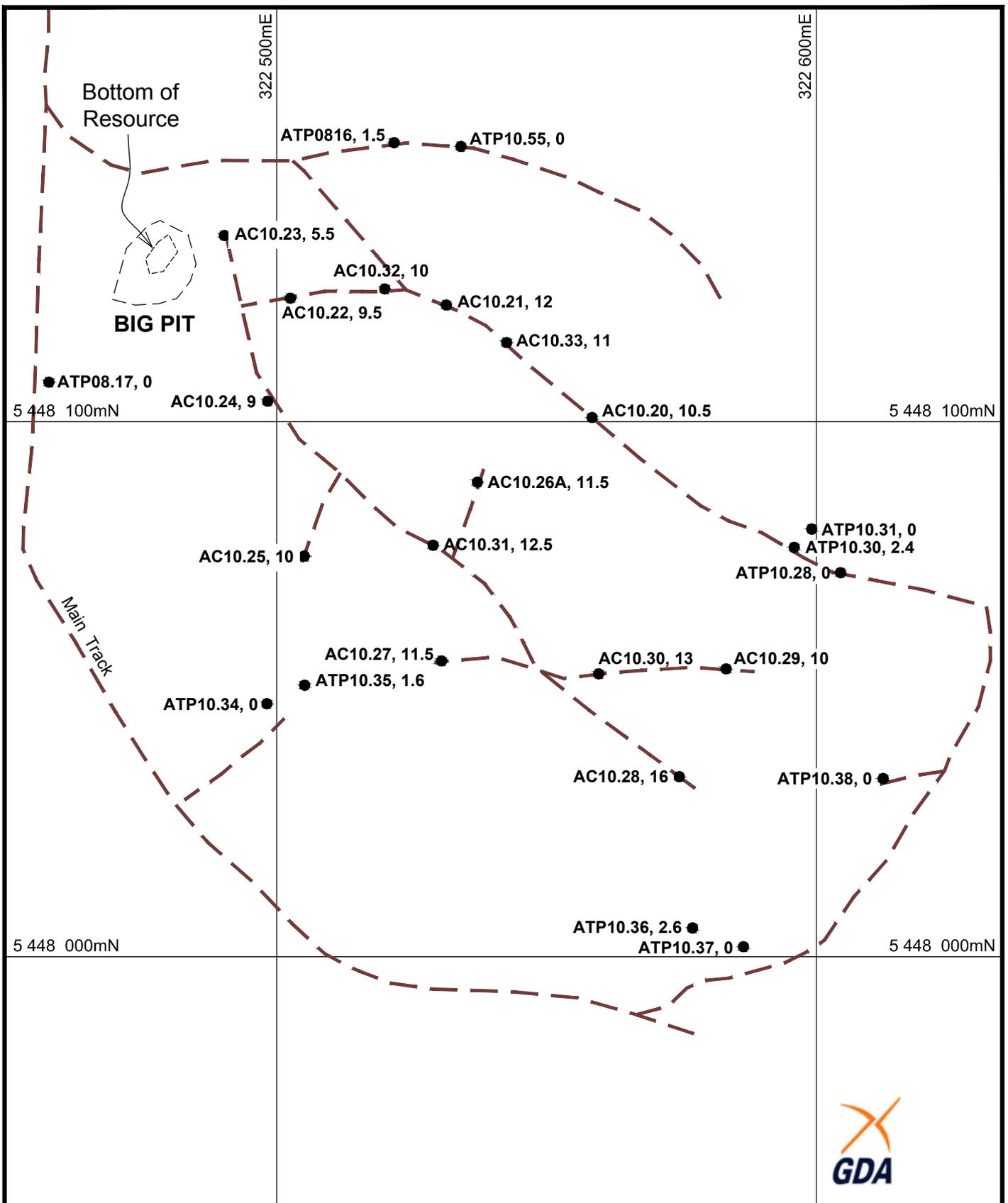
N. J. Turner Geological Services Pty Ltd



LEGEND

- Cleared track
- ATP10.49 Position and number of test pit
- Lag of silica flour and lump silica
- Brown clay that appears to underly the silica

TASMANIAN ADVANCED MINERALS P/L			
EL 15/2009 - HAWKES CREEK			
TEST PITS ALONG			
THE NORTH WEST TRACK			
Compiled : Nic Turner	Drawn : Gillian Bennett	Date : 10/04/10	Scale : 1:5000
Survey : Hand held GPS, Tape and Compass		File : HC-NWT Test Pits 04-10.dwg	Figure No 3
N. J. Turner Geological Services Pty Ltd			



LEGEND

AC10.31, 12.5 Air core and hammer RC drill hole showing number and thickness (m) of pale coloured silica flour and lump silica.

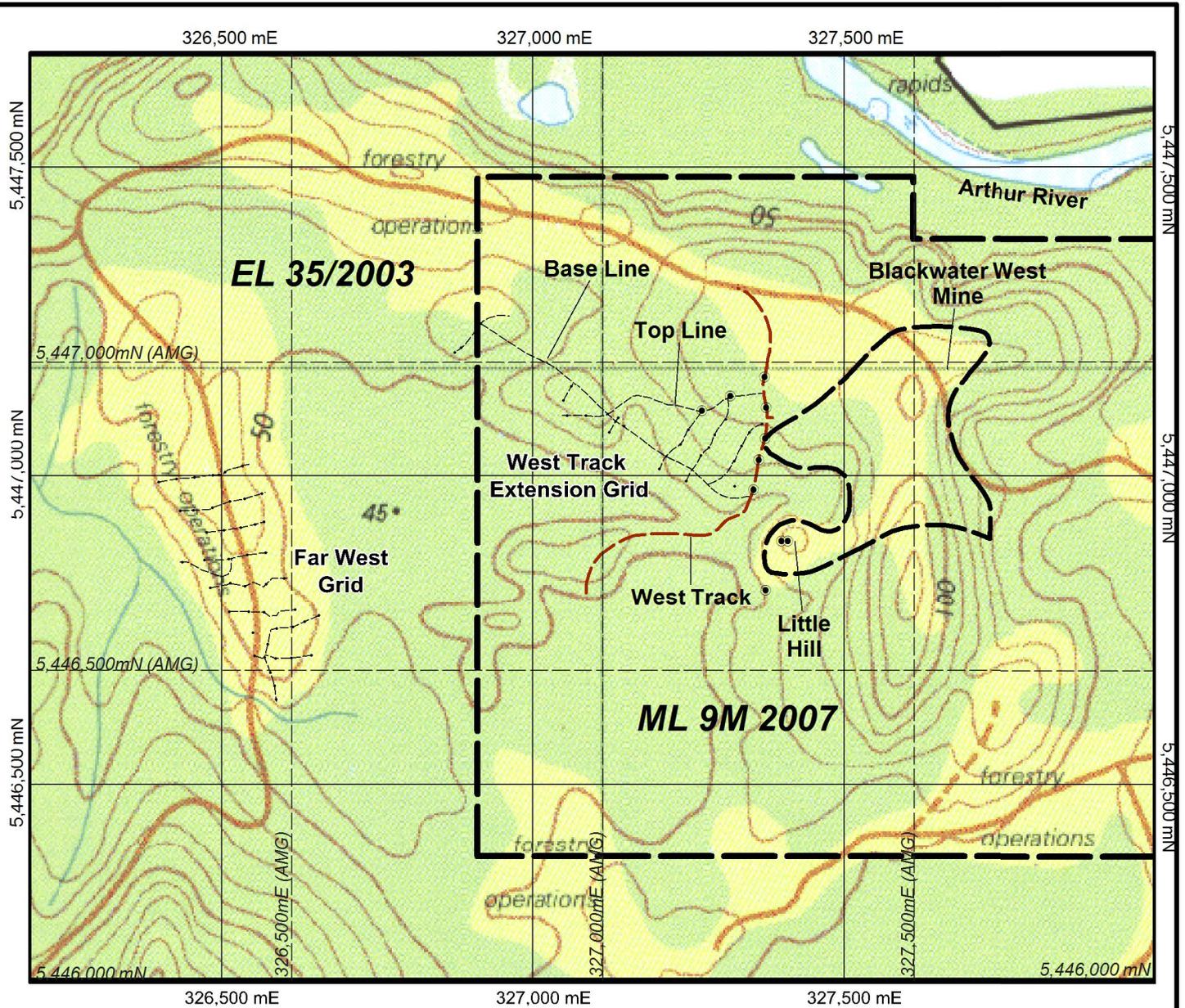
ATP10.36, 2.6 Test pit showing number and thickness (m) of pale coloured silica flour and lump silica

**TASMANIAN ADVANCED MINERALS P/L
EL 35/2003 - STEPHENS RIVULET-HAWKES CREEK**

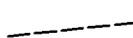
**HAWKES CREEK PROSPECT, SECOND HILL SOUTH EAST
DRILL HOLES AND TEST PITS USED TO
DETERMINE THE VOLUME OF THE
SILICA RESOURCE**

Compiled : Nic Turner	Drawn : Gillian Bennett	Date : 09/04/10	Scale : 1:1000
Survey : Differential GPS by Survey Resources Launceston		File : HC-SHSE DDH TP.dwg	Figure No 4

N. J. Turner Geological Services Pty Ltd



 Existing track

 Cleared lines

 Air core/percussion RC drill site

 Test pit



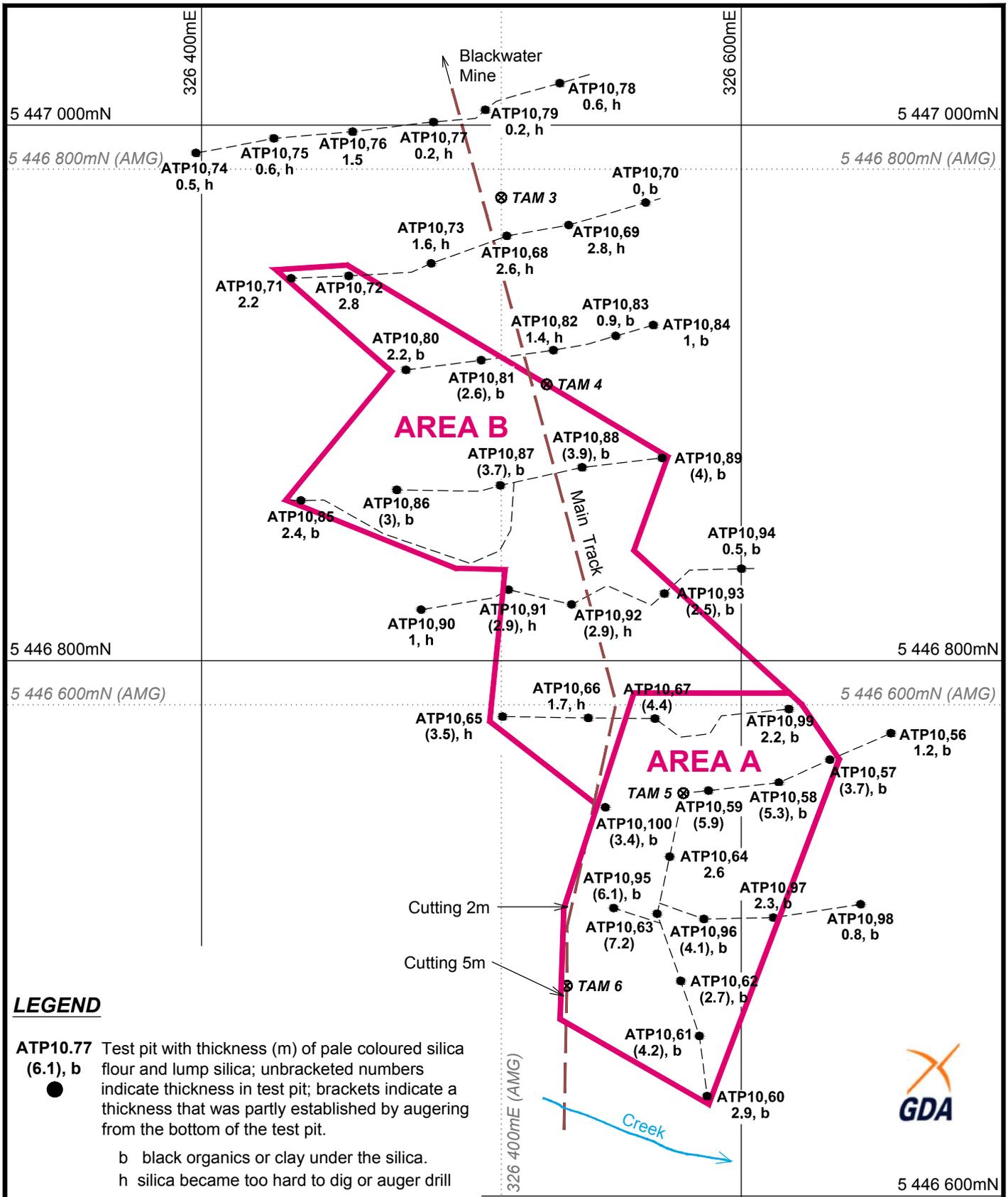
TASMANIAN ADVANCED MINERALS P/L

**EL 35/2003 and ML 9M 2007
BLACKWATER WEST TENEMENTS
WORK CARRIED OUT IN
FEBRUARY-MARCH 2010**

Compiled : Nic Turner, R. Gregory	Drawn : G. Bennett	Date : 12/4/2010	File : BW-Feb-Mar 10k.wor
--------------------------------------	-----------------------	---------------------	------------------------------

Scale: 1:10,000	Projection MGA Zone 55 (GDA 94)	Figure No 5
-----------------	---------------------------------	----------------

N. J. Turner Geological Services Pty Ltd



LEGEND

ATP10.77 (6.1), b
 ● Test pit with thickness (m) of pale coloured silica flour and lump silica; unbracketed numbers indicate thickness in test pit; brackets indicate a thickness that was partly established by augering from the bottom of the test pit.
 b black organics or clay under the silica.
 h silica became too hard to dig or auger drill

TAM 5
 ⊗ TAM Pit

— Existing Track

- - - Cleared line

█ Boundary of estimated resource

Area A : 83,456 tonnes
 Area B : 92,776 tonnes
 Total : 176,232 tonnes } First Pass Estimates

Note:
 Silica is covered by 0.3 - 0.8m of humus and soil

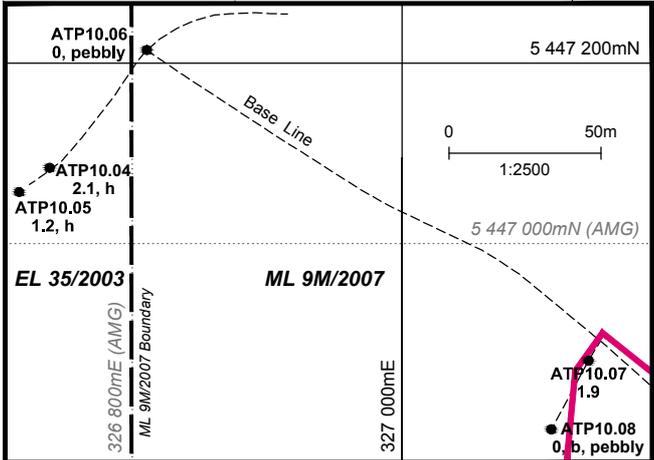
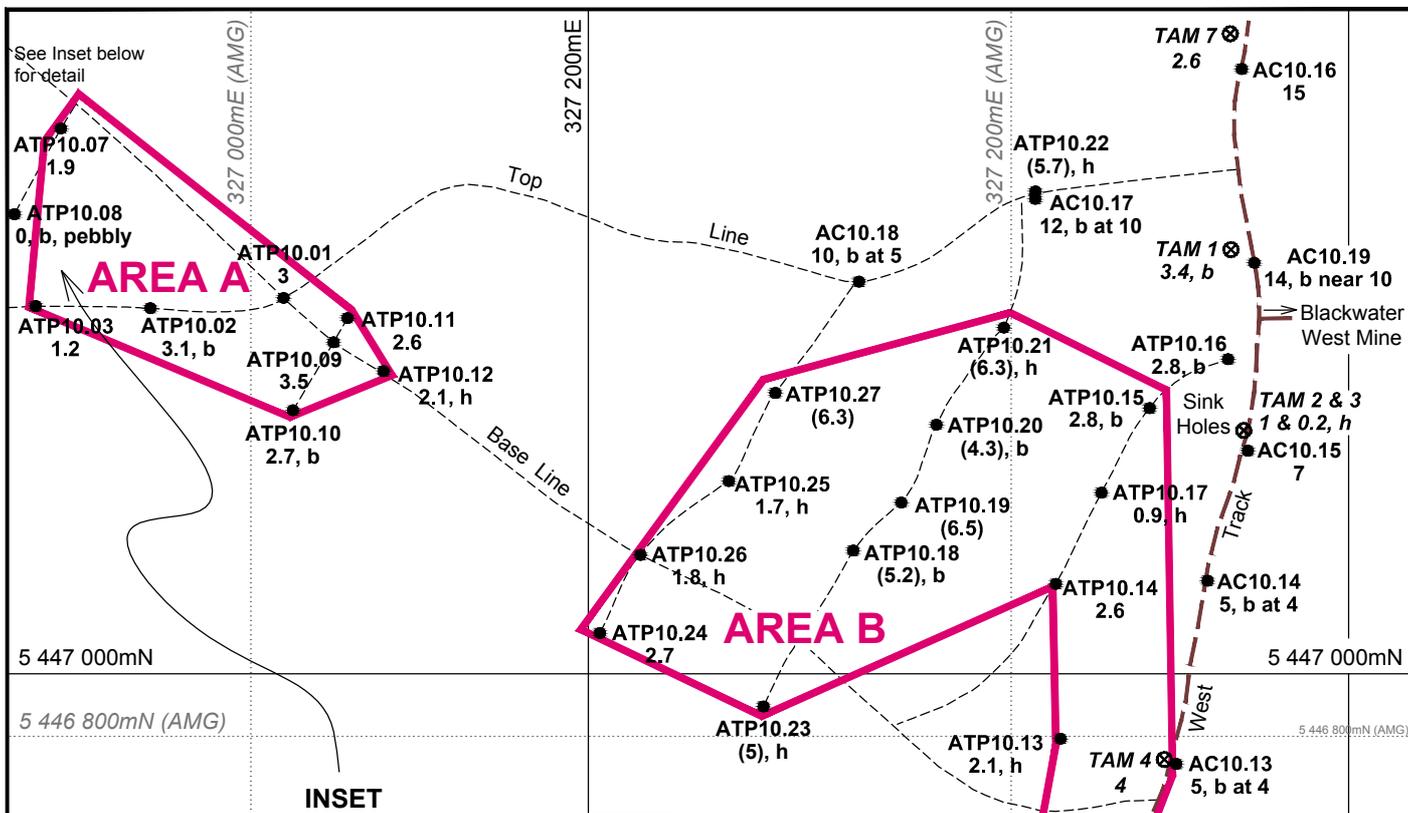


TASMANIAN ADVANCED MINERALS P/L
EL 35/2003 - STEPHENS RIVULET-HAWKES CREEK

BLACKWATER FAR WEST PROSPECT
MARCH 2010 TEST PITS
AND AUGERING

Compiled : Nic Turner	Drawn : Gillian Bennett	Date : 31/03/10	Scale : 1:2000
Survey : Hand held GPS, Tape and Compass		File : BFWF-TPAug 03-10.dwg	Figure No 6

N. J. Turner Geological Services Pty Ltd



LEGEND

ATP77 (6.1), b
 ● Test pit with thickness (m) of pale coloured silica flour and lump silica; unbracketed numbers indicate thickness in test pit; brackets indicate a thickness that was partly established by augering from the bottom of the test pit.
 b black organics or clay under the silica.
 h silica became too hard to dig or auger drill

AC10.13 5, b at 4
 ● Air core/hammer RC drill hole showing total depth. Black organics or clay from 4m depth.

TAM 1 3.4, b
 ⊗ TAM Pit

--- Existing track
 - - - Cleared line
 ■ Boundary of estimated resource

Area A : 19,560 tonnes
 Area B : 84,456 tonnes
 Total : 104,016 tonnes
 } First Pass Estimates

Note: Silica is covered by 0.3 - 0.8 m of humus and soil

**TASMANIAN ADVANCED MINERALS P/L
 ML 9M 2007**

**BLACKWATER WEST MINE
 WEST TRACK EXTENSION
 FEB-MARCH 2010 TEST PITS
 AUGER AND AIRCORE DRILLING**

Compiled : Nic Turner	Drawn : Gillian Bennett	Date : 03/03/10	Scale : 1:2000
Survey : Hand held GPS, Tape and Compass		File : BWM-TPAugAC 02-10.dwg	Figure No 7

N. J. Turner Geological Services Pty Ltd



TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 1: EL15/2009 Hawkes Creek. Logs of drill holes along Bark Hut Road, February-March 2010.

Driller: Tasmanian Drilling Services, New Norfolk, Tasmania.

Drill: Truck mounted air core/percussion RC. Most of the drilling was by air core.

The coordinates of the drill holes were determined either with a Magellan 315 hand held GPS or by tape and compass survey from known points on the Tasmap Sumac 1:25000 map.

Bark Hut Road air core/percussion RC drilling

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	AHD (m)	Interval (m)	Comments
AC10.01	323008	5449659		0-3	Tertiary grey gravelly sand.
				3-13	Brown clay with probable dolomite fragments in lower part.
AC10.02	323071	5449501		0-3	Tertiary grey gravelly sand.
				3-10	Dark brown clay. Very wet. Very poor recovery.
AC10.03	323031	5449310		0-6	Dark brown clay soil with dolomite fragments in the lower part. Refusal at 6 m.
AC10.04	323580	5448730		0-11	Tertiary brown gravel. Wet below 6 m.
				11-14	Very wet clay with chips of white dolomite. Poor recovery.
AC10.05	323450	5448650		0-2.5	Tertiary gravel.
				2.5-3.5	Brown clay with chips of pale grey dolomite.
AC10.06	323360	5448610		0-5	Tertiary sand.
				5-6	Tertiary sand and clay.
				6-7	Clay with pale grey dolomite chips.
AC10.07	323760	5448230		0-3	Tertiary gravelly sand.
				3-12	Relatively dry, brown and black clay.
				12-13	Ditto with fragments of cream, crystalline dolomite.
AC10.08	323850	5448180		0-0.5	Tertiary sand.
				0.5-6	Relatively dry, brown and black clay.
				6-7	Ditto with pale dolomite chips.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 2: EL15/2009 Hawkes Creek. Logs of Northwest Track test pits,
February-March, 2010.

Excavator: Takeuchi 7 tonne

The coordinates of the test pits were determined with a Magellan 315 hand held
GPS and by tape and compass survey.

Northwest Track test pits 2010

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.39	321221	5499780	0-0.3	Humus and soil.
			0.3-2.6	Very pale brown, gritty, silica flour with substantial lump of grey and white quartz with crystal lined vughs.
ATP10.40	321252	5499784	0-0.3	Humus and soil.
			0.3-1.6	Very hard digging with bucket and ripper in pale brown, very lumpy silica. Small sample. Refusal at 1.6 m.
ATP10.41	321277	5499778	0-0.3	Humus and soil.
			0.3-1.7	Similar ATP10.40, but no sample.
ATP10.42	321343	5499701	0-0.3	Humus and soil.
			0.3-3.2	Highly fractured, pale grey and white, fine grained, lump silica displaying some colloform banding and vughs. Very pale grey, silica flour occurs in small patches. Digging OK with bucket.
ATP10.29 & ATP10.29A	321356	5499664	0-0.3	Humus and soil
			0.3-3.2	Very lumpy silica. Subordinate very pale brown to pale brown, gritty, silica flour present in patches. Lump includes hard crystalline quartz and hard coherent flour. Hard digging.
ATP10.43	321408	5499626	0-0.3	Humus and soil.
			0.3-2.5	Maybe 90% lump of very fine grained, grey and white quartz with some colloform banding and vughs. Very pale brown, sandy and gritty, silica flour in patches.
ATP10.44	321442	5499580	0-0.3	Humus and soil.
			0.3-3.2	Similar ATP10.43. Lots of lump.
ATP10.45	321499	5499487	0-0.3	Humus and soil.
			0.3-1.2	Dominantly very pale brown, gritty, silica flour.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			1.2-3.3	Lump silica, but easy digging. No flour though much lump is broken to grit by excavation.
ATP10.46	321537	5499452	0-0.4	Humus and soil.
			0.4-0.8	Very hard digging in coherent silica flour. Excavated material crushes in the hand to very pale brown, gritty, silica flour. Hole abandoned.
ATP10.47	321556	5499414	0-0.3	Humus and soil
			0.3-1.1	Very hard digging in coherent silica sand (?flour) that contains scattered, very well rounded granules and pebbles to 15 mm of milky and black quartz. No sample.
			1.1	Encountered dark brown organics
ATP10.48	321596	5499379	0-0.3	Humus and soil.
			0.3-2	Very hard digging in coherent, very pale brown, silica flour. Sample from thin, softer zone. Hole abandoned.
ATP10.49	321629	5499268	0-0.3	Humus and soil.
			0.3-1.9	Very pale brown, coherent, silica flour with a few blocks of very fine grained, grey quartz. Digging too hard.
ATP10.50	321677	5499295	0-0.3	Humus and soil.
			0.3-0.7	Coherent, pale brown, silica flour and dominant lump of very fine grained quartz and crystalline quartz. Too hard.
ATP10.51	321712	5499316	0-0.5	Humus and soil.
			0.5-2.6	Lumpy silica flour with a seam of very pale brown, gritty, silica flour at 2 m depth. Large patch of orange clay at 2-2.6 m depth.
ATP10.52	321710	5499257	0-0.3	Humus and soil.
			0.3-1.4	Very pale grey, silica flour with big lumps of hard, coherent silica flour. Hole abandoned.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.53	321807	5499153	0-0.3	Humus and soil.
			0.3-2.8	Good digging with bucket in almost white, gritty, silica flour with moderate fines. Very little lump. Best looking material
				seen on the Northwest Track though large blocks of hard lump silica occur nearby.
ATP10.54	321783	5499153	0-0.3	Humus and soil.
			0.3-1.5	Very pale grey, sandy, gritty silica flour.
			1.5-2	Brown clay and silica flour.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 3: EL35/2003 Stephens Rivulet and Hawkes Creek. Logs of test pits at Second Hill Southeast, Hawkes Creek. February-March, 2010.

Excavator: Takeuchi 7 tonne

The coordinates of the test pits were determined by Survey Resources, Launceston. See Appendix 8.

Second Hill Southeast test pits

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.28	322604.5	5448071.8		Edge of probably commercial silica flour.
ATP10.30	322595.9	5448076.5	0-0.3	Humus and soil.
			0.3-2.4	Very pale brown, silica flour with substantial fines and little grit or lump.
ATP10.31	322599.2	5448079.9	0-1.5	Similar to ATP10.33
ATP10.32	322602.6	5448082.7	0-1	Similar to ATP10.33
ATP10.33	322613.5	5448081.4	0-0.3	Humus and soil.
			0.3-1.2	Pale brown, sandy, silica flour with patches of dark grey and white, silica flour and a little clay.
ATP10.34	322498.2	5448047.3	0-0.3	Humus and soil.
			0.3-1.5	Grey and dark grey, sandy, coherent silica flour adjacent to the edge of probably commercial silica flour.
ATP10.35	322505.2	5448050.7	0-0.4	Humus and soil.
			0.4-1.6	Coarse grained, sandy, very pale grey, silica flour. No grit or lump.
ATP10.36	322577.1	5448005.4	0-0.4	Humus and soil.
			0.4-2.6	Coarse grained, sandy, very pale brown, silica flour. Uniform.
ATP10.37	322586.5	5448001.9	0-0.8	Humus and soil.
			0.8-1.6	Pale brown and brown, silica flour with substantial fines including a little clay. Adjacent to the edge of probably commercial silica flour.
ATP10.38	322612.4	5448033.3		Edge of probably commercial silica flour.
ATP10.55	322534.1	5448151.4		Edge of probably commercial silica flour.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 4: EL35/2003 Stephens Rivulet and Hawkes Creek. Drilling at Second Hill Southeast, Hawkes Creek.

Driller: Tasmanian Drilling Services, New Norfolk, Tasmania.

Drill: Truck mounted air core/percussion RC. Most of the drilling was by air core.

The coordinates of the drill holes were determined by Survey Resources, Launceston. See Appendix 8.

Second Hill Southeast air core/percussion drill holes

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
AC10.20	322558.4	5448100.8	0	Collared about 0.4 m below natural surface.
			0-1	Grey silica flour that probably includes organic soil.
			1-2	Very pale brown, silica flour.
			2-4	Pale grey, silica flour.
			4-9	Very pale grey, silica flour.
			9-11.5	Ditto with a small patch of brown silica flour.
			11.5-14	Dark brown, organic-rich sand with minor fragments of coherent silica flour at 13-14 m.
AC10.21	322531.4	5448121.8	0	Collared about 0.4 m below natural surface.
			0-1	Hammered through pale lump silica.
			1-5	Air cored through pale grey, sandy, silica flour. No grit or lump.
			5-6	Hammered through approx. 80% lump, 20% silica flour.
			6-7.5	Air cored through pale grey, sandy, silica flour.
			7.5-10	Hammered through mainly lump silica then solid lump silica at 9-10 m. All pale.
			10-11	Hammered through mainly very pale grey, silica flour.
			11-13	Hammered through mainly very pale grey, lump silica.
			13-15	All hammer, all lump. Colour change to pale brown.
AC10.22	322502.5	5448123.1	0	Collared about 0.4 m below the natural surface.
			0-9.5	Very pale grey, silica flour with no grit or lump silica.
			9.5-11	All hammer. Brown, indurated silica flour with abundant organics.
AC10.23	322490.3	5448134.8	0	Adjacent bulk sample pit. Collared 0.3 m below the natural surface.

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			0-5.5	Very pale grey, sandy, silica flour with substantial fines.
			5.5-7	Dark brown, organic-rich sand.
AC10.24	322498.3	5448103.8	0	Collared about 0.4 m below the natural surface.
			0-9	Very pale grey, sandy silica flour with substantial fines. No grit or lump.
			9-11	Very dark brown. Organic-rich sand.
AC10.25	322505.1	5448074.9	0	Collared on fill, but RL of collar similar to natural surface.
			0-1	Mixed humus and silica flour.
			1-11	Very pale grey, sandy, silica flour. Pale brown at 4-5 m. No lump, a little grit.
			11-13	Black, organic-rich sand.
AC10.26	322537.5	5448089.8	0	Collared on fill, but RL of collar similar to natural surface.
			0-1	Mixed humus and silica flour.
			1-6	Pale brown and pale grey, silica flour with abundant fines. No grit or lump.
			6	Hole abandoned at 6 m due to the return at the collar looking better than the return at the cyclone. Contamination?
AC10.26A	322537.2	5448088.7	0	Collared on fill near AC10.26.
			0-1	Mixed humus and silica flour.
			1-3	Sandy, pale brown, silica flour with substantial fines.
			3-8	Hammered through pale lump silica.
			8-10	Air cored through pale brown, silica flour with substantial fines.
			10-12	Hammered through mainly very pale lump silica with some flour. A little suspected contamination by brown silica flour.
			12	Pervasive colour change to brown.
AC10.27	322530.5	5448055.3	0	Collared on fill, but RL of collar similar to natural surface.

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			0-1	Mixed humus and silica flour.
			1-11.5	Very pale grey, sandy, silica flour with little grit and no lump.
			11.5-13	Sharp change to very dark brown, organic-rich sand.
AC10.28	322574.6	5448033.7	0	Collar 0.8 m below natural surface.
			0-2.5	Very pale grey, sandy, silica flour with a little grit.
			2.5-5	Hammered very pale grey lump.
			5-6	Air cored silica flour. Brown at cyclone, but very pale grey at collar. Contamination?
			6-7	Hammered very pale grey lump.
			7-8	Hammered very pale grey, silica flour with a little suspected brown contamination.
			8-10	Hammer. Brown-grey silica flour returned at cyclone, but very pale grey silica flour returned at collar. Contamination?
			10-13	Hammer through very pale grey lump silica. Product looks uncontaminated
			13-16	Air core. Apparently uncontaminated pale grey, sandy, gritty, silica flour.
			16-17	Hammer. Very hard lump silica. Hole abandoned.
AC10.29	322583.3	5448053.8	0	Collar 0.5 m below the natural surface.
			0-1	Disturbed by previous test pit.
			1-2	Very pale grey, sandy, silica flour with a little grit, no lump.
			2-3	Hammer through pale lump silica.
			3-6	Air core through very pale grey, sandy, silica flour with a little grit and no lump.
			6-7	Hammer through very pale grey lump silica.
			7-10	Air core. Very pale grey, gritty, silica flour.

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			10-12	Pass into brown clay and organic-rich sand.
AC10.30	322559.7	5448052.9	0	Collar 0.7 m below the natural surface.
			0-7	Very pale grey, sandy, silica flour with minor grit and no lump.
			7-9	Similar, but pale grey.
			9-13	Similar, but very pale grey.
			13-15	Brown, organic-rich sand.
AC10.31	322529	5448076.9	0	Collar 0.4 m below the natural surface.
			0-12.5	Very pale grey, sandy silica flour with a little grit and no lump.
			12.5-14	Dark brown, organic-rich sand.
AC10.32	322520	5448124.8	0	Collar 0.3 m below the natural surface.
			0-3	Very pale brown, sandy, silica flour with minor grit and no lump.
			3-10	Similar, but very pale grey.
			10-14	Hammering a mixture of lump silica and silica flour. Pale grey to very pale grey. Too hard and hole abandoned.
AC10.33	322542.6	5448114.8	0	Collar 0.5 m below the natural surface.
			0-1	Silica flour.
			1-2	?
			2-5	Hammering very pale lump silica.
			5-10	Air core through very pale grey, sandy, silica flour with a little grit and no lump.
			10-11	Possible brown contamination.
			11-12	Pass into brown, organic-rich sand.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 5: EL35/2003 Stephens Rivulet and Hawkes Creek. Logs of test pits at Blackwater Far West. February-March, 2010.

Excavator: Takeuchi 7 tonne, 4 m auger accessory attachment.

The coordinates of the test pits were determined with a Magellan 315 hand held GPS and by tape and compass survey.

Blackwater Far West test pits

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment			
ATP10.56	326656	5446773	0-0.4	Humus and soil.			
			0.4-1.6	Very pale brown, sandy, gritty, silica flour. No lump.			
			1.6-1.7	Black organic-rich sand.			
ATP10.57	326634	5446763	0-0.5	Humus and soil.			
			0.5-3.2	Very pale brown, sandy and gritty, silica flour with a little hard lump silica.			
			3.2	Bottom of pit. Started augering.			
			3.2-4.2	Very pale brown, slightly gritty, silica flour.			
			4.2-5.2	Pass into dark brown, organic-rich, silica flour.			
			ATP10.58	326615	5446755	0-0.5	Humus and soil.
						0.5-2.8	Very pale brown, sandy, gritty, silica flour with moderate lump silica. Some lump is hard and contains bands of reddish-brown, crystalline quartz. Other lump is coherent silica flour that is easily crushed. The latter may contain small, ragged lenses of pale brown clay.
2.8	Bottom of pit. Started augering.						
2.8-5.8	Very pale brown, sandy, gritty, silica flour.						
5.8-6.8	Pass into brown, silica flour.						
ATP10.59	326589	5446752	0-0.5	Humus and soil.			
			0.5-3.4	Very pale brown, gritty, silica flour. A little hard lump.			
			3.4	Bottom of pit. Started augering.			
			3.4-6.4	Very pale brown to pale brown, sandy, gritty, silica flour.			
			ATP10.60	326588	5446637	0-0.5	Humus and soil.
			0.5-3.4	Hard digging with ripper in fairly coherent, very pale brown, sandy and gritty, silica flour with sparse lenticules of pale brown clay. Minor crystalline lump displaying reddish-brown colour.			
			3.4	Touched very dark brown			

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
				organics.
ATP10.61	326586	5446660	0-0.4	Humus and soil.
			0.4-2.6	Very pale brown, sandy, gritty, Silica flour with some large blocks of hard lump.
			2.6	Bottom of pit. Started augering.
			2.6-3.6	Touched dark brown organics near 3.6 m.
ATP10.62	326578	5446681	0-0.3	Humus and soil.
			0.3-1.7	Pale brown, sandy, very gritty, silica flour. Hard digging.
			1.7-3	Very pale brown, sandy, gritty, silica flour with minor friable lump silica.
			3	Bottom of pit. Started augering.
			3-4	Passed into dark brown organics.
ATP10.63	326569	5446706	0-0.4	Humus and soil.
			0.4-3.6	Very pale brown, sandy, gritty, silica flour with common, small, hard lump and crushable lump. Small patch of hard, brown clay.
			3.6	Bottom of pit. Started augering.
			3.6-7.6	Very pale brown, silica flour with substantial fines (due to grinding?). Needed ripper for top part.
ATP10.64	326574	5446727	0-0.5	Humus and soil.
			0.5-3.6	Pale brown, sandy, gritty, silica flour. Very common lump of vughy, fine grained, hard silica. Patch of orange clay in east wall. Hard digging in upper part of silica.
ATP10.65	326512	5446779	0-0.5	Humus and soil.
			0.5-3	Very pale brown, sandy, gritty, silica flour with minor hard lump in the upper part.
			3	Bottom of pit. Started augering.
			3-4	Pale brown, sandy, gritty, silica flour.
			4	Too hard. Hole abandoned.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.66	326544	5446779	0-0.5	Humus and soil.
			0.5-2.2	Extra hard digging in mostly lump including very hard, very fine grained, colloform, vughy quartz.
			2.2	Pit abandoned.
ATP10.67	326569	5446779	0-0.4	Humus and soil.
			0.4-2.8	Pale brown, sandy, gritty, silica flour with abundant lump including very hard, very fine grained quartz.
			2.8-4.8	Pale brown, sandy, gritty, silica flour.
ATP10.68	326514	5446958	0-0.5	Humus and soil.
			0.5-3.1	Pale brown, sandy, silica flour in patches amongst abundant hard and partly crystalline lump.
			3.1	Too hard.
ATP10.69	326537	5446962	0-0.5	Humus and soil.
			0.5-3.3	Very pale brown, sandy, silica flour amongst abundant lump including hard, vughy, crystalline quartz.
			3.3	Too hard.
ATP10.70	326566	5446971	0-0.5	Humus and soil.
			0.5-0.7	Very hard digging in clayey and coherent, silica flour.
ATP10.71	326436	5446943	0-0.6	Humus and soil.
			0.6-2.8	Very pale brown, sandy silica flour with substantial fines that contains common crushable lump and moderate hard lacy agate.
ATP10.72	326455	5446944	0-0.4	Humus and soil.
			0.4-3.2	Very pale brown, sandy, silica flour with substantial lump that includes hard, lacy agate.
ATP10.73	326486	5446948	0-0.5	Humus and soil.
			0.5-2.1	Very hard digging throughout. Very pale brown, sandy, gritty, strongly coherent, silica flour. Too hard to dig further.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.74	326399	5446989	0-0.5	Humus and soil.
			0.5-1	Grey to pale grey, strongly coherent, silica flour with hard lacy agate that displays minor red-brown colours and contains sparse pale brown, clay lenticules. Too hard.
ATP10.75	326427	5446995	0-0.4	Humus and soil.
			0.4-1	Strongly coherent, grey and pale grey, sandy, gritty, silica flour. Contains easily crushed lump and minor lump of crystalline quartz. One very well rounded pebble of vein quartz found at about 0.4 m depth. Too hard.
ATP10.76	326457	5446998	0-0.5	Humus and soil.
			0.5-2	Very pale brown, silica flour of very uneven hardness. Dug down in soft pocket. Lump of crystalline quartz present.
ATP10.77	326487	5447001	0-0.5	Humus and soil.
			0.5-0.7	Very hard digging in pale, coherent silica flour with crystalline lump.
ATP10.78	326536	5447015	0-1.1	Humus and soil.
			1.1-1.7	Hard, pale brown, silica flour.
			1.7	Black organics.
ATP10.79	326506	5447005	0-0.5	Humus and soil.
			0.5-0.7	Very hard digging with ripper in strongly coherent, very pale brown, silica flour. Too hard.
ATP10.80	326476	5446908	0-0.7	Humus and soil.
			0.7-2.9	Very pale brown, sandy, silica flour with very low fines and minor lump. Easy digging.
			2.9-3.2	Dark brown, organic-rich sand.
ATP10.81	326504	5446912	0-0.5	Humus and soil.
			0.5-3.1	Easy digging. Pale brown, gritty, lumpy, silica flour. Abundant hard, vughy, lump silica near bottom.
ATP10.82	326531	5446916	0-0.4	Humus and soil.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			0.4-1.8	Very pale brown, sandy, gritty, silica flour as 'matrix' to about 50% hard, vughy, crystalline, lump silica. Too hard.
ATP10.83	326554	5446921	0-0.4	Humus and soil.
			0.4-1.3	Lumpy, silica flour with a big patch of orange and brown clay.
ATP10.84	326568	5446925	0-0.4	Humus and soil.
			0.4-1.4	Very pale brown, gritty and lumpy, silica flour with big patches of orange and brown clay.
ATP10.85	326438	5446855	0-0.4	Humus and soil.
			0.4-2.8	Very pale brown, sandy, gritty, silica flour with minor lump.
			2.8-3.1	Dark brown, organic-rich sand.
ATP10.86	326473	5446864	0-0.3	Humus and soil.
			0.3-3.3	Easy digging. Very pale brown, sandy, silica flour with minor grit and a little hard lump.
			3.3	Bottom of pit. Started augering.
			3.3-4.3	Pass into dark brown sand.
ATP10.87	326512	5446865	0-0.5	Humus and soil.
			0.5-3.2	Very pale brown to pale brown, sandy, gritty, silica flour with moderate crushable lump and hard, crystalline lump.
			3.2	Bottom of pit. Started augering.
			3.2-4.2	Pale brown, sandy, gritty, silica flour.
			4.2-5.2	Pass into brown and dark brown sand.
ATP10.88	326542	5446872	0-0.7	Humus and soil.
			0.7-3.6	Very pale brown, sandy, gritty, silica flour with substantial crushable lump and minor hard, crystalline lump.
			3.6	Bottom of pit. Started augering.
			3.6-4.6	Probably pale silica flour. Poor recovery.
			4.6-5.6	Pass into dark brown sand.
ATP10.89	326571	5446875	0-0.4	Humus and soil.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			0.4-3.4	Very pale brown, sandy, silica flour with minor grit and a little crushable lump and hard crystalline lump.
			3.4	Bottom of pit. Started augering.
			3.4-4.4	Pale silica flour.
			4.4-5.4	Pass into dark brown, silica flour.
ATP10.90	326482	5446819	0-0.5	Humus and soil.
			0.5-1.5	Strongly coherent, very pale brown, sandy, gritty, silica flour. Very hard digging, but material breaks out as silica flour with minor lump.
ATP10.91	326515	5446826	0-0.4	Humus and soil.
			0.4-2.3	Coherent, very pale brown, sandy, gritty, silica flour with moderate lump of lacy agate. Few fines.
			2.3	Bottom of pit. Started augering.
			2.3-3.3	Very hard, pale brown, sandy, gritty, silica flour.
			3.3	Too hard. Abandoned hole.
ATP10.92	326538	5446821	0-0.8	Humus and soil.
			0.8-2.7	Very pale brown, sandy, silica flour with few fines. Substantial hard lump – some vughy, some lacy agate.
			2.7	Bottom of pit. Started augering.
			2.7-4.7	Pale brown, sandy, gritty, silica flour. Relatively coarse grained.
			4.7-5.7	Pass into dark brown sand.
ATP10.93	326572	5446825	0-0.5	Humus and soil.
			0.5-3	Very pale brown, sandy, silica flour with very little lump.
			3	Bottom of pit. Started augering.
			3-4	Pass into dark brown sand.
ATP10.94	326601	5446834	0-0.8	Humus and soil.
			0.8-1.3	Coherent, pale grey, silica flour with black organic-rich sand in patches and in floor of pit.
ATP10.95	326553	5446708	0-0.5	Humus and soil.
			0.5-3.6	Very pale brown, sandy, gritty,

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
				silica flour with minor lump of hard silica.
			3.6	Bottom of pit. Started augering.
			3.6-6.6	Very pale brown, silica flour. More fines.
			6.6-7.6	Passed into dark brown sand.
ATP10.96	326587	5446704	0-0.6	Humus and soil.
			0.6-3.7	Very pale brown, sandy, gritty, silica flour with minor hard lump.
			3.7	Bottom of pit. Started augering.
			3.7-4.7	Pale silica flour.
			4.7-5.7	No return.
			5.7-6.7	Passed into dark brown sand.
ATP10.97	326613	5446705	0-0.5	Humus and soil.
			0.5-2.8	Pale brown, sandy, coherent, silica flour.
			2.8	Brown clay patches.
ATP10.98	326645	5446710	0-0.7	Humus and soil.
			0.7-1.5	Pale brown, sandy, gritty, silica flour with moderate lump.
			1.5-1.7	Dark brown, organic-rich sand.
ATP10.99	326618	5446782	0-0.6	Humus and soil.
			0.6-2.8	Very pale brown, sandy, silica flour with little grit and no lump. Dark brown sand at bottom.
ATP10.100	326550	5446746	0-0.4	Humus and soil.
			0.4-3.8	Easy digging. Very pale brown, sandy, gritty, silica flour with very little lump.
			3.8	Large patch of orange-brown clay

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 6: ML9M2007 Blackwater. Logs of test pits at West Track Extension.
February-March, 2010.

Excavator: Takeuchi 7 tonne, 4 m auger accessory attachment.

The coordinates of the test pits were determined with a Magellan 315 hand held
GPS.

West Track Extension test pits

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
ATP10.01	327120	5447101	0-0.3	Humus and soil.
			0.3-3.3	Very pale brown, silica flour with abundant fines, minor grit and negligible lump silica. Includes a patch of orange clay.
ATP10.02	327085	5447097	0-0.3	Humus and soil.
			0.3-3.4	Very pale brown, gritty, silica flour with minor lump silica.
			3.4	Patch of grey clay.
ATP10.03	327055	5447098	0-0.3	Humus and soil.
			0.3-1.5	Pale brown, gritty, silica flour with substantial fines and abundant crushable lump of coherent silica flour.
ATP10.04	326885	5447209	0-0.2	Humus and soil.
			0.2-2.3	Very pale brown, very gritty, silica flour with irregular seams of fine grained quartz and sparse, thin seams of grey clay.
ATP10.05	326875	5447201	0-0.3	Humus and soil.
			0.3-1.5	Very pale brown, gritty, silica flour. Coherent causing hard digging, but crushes easily.
ATP10.06	326917	5447248	0-0.2	Humus and soil.
			0.2-0.8	Subordinate highly rounded granules and pebbles (to 20 mm) of quartz in a dominant matrix of silica flour. Dark grains present.
ATP10.07	327062	5447145	0-0.3	Humus and soil.
			0.3-2.2	Very pale brown, gritty, silica flour. No lump. Easy digging.
ATP10.08	327048	5447123	0-0.3	Humus and soil.
			0.3-2.3	Matrix of silica flour containing rounded granules of sedimentary appearance. Large clay patch in lower part of pit.
ATP10.09	327134	5447089	0-0.3	Humus and soil.
			0.3-3.8	Very pale brown, gritty, silica flour with substantial fines and

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
				lump of coherent silica flour. Tree roots to bottom of pit.
ATP10.10	327123	5447080	0-0.3	Humus and soil.
			0.3-3	Very pale brown and pale brown, gritty, silica flour with minor friable lump.
			3	Grey-brown clay.
ATP10.11	327137	5447095	0-0.3	Humus and soil.
			0.3-2.9	Easy digging in very pale pink, slightly gritty, silica flour with very little lump.
ATP10.12	327147	5447081	0-0.4	Humus and soil.
			0.4-2.5	Very pale brown, gritty, silica flour. Strongly coherent such that digging difficult, but breaks out as flour and crushable lump.
ATP10.13	327326	5446984	0-0.2	Humus and soil.
			0.2-2.3	Very pale brown, gritty, silica flour with common lump of hard, coherent, silica flour.
			2.3	Too hard to continue.
ATP10.14	327325	5447024	0-0.4	Humus and soil.
			0.4-3	Very pale brown, gritty, silica flour of uneven hardness. Lump easily crushed. The flour contains a few highly rounded granules and quartz pebbles up to 20 mm (sedimentary?)
ATP10.15	327349	5447071	0-0.4	Humus and soil.
			0.4-3.4	Very pale pink, sandy, silica flour. Lump of pale grey to reddish brown, lacy agate common towards bottom.
ATP10.16	327370	5447084	0-0.3	Humus and soil.
			0.3-3.1	Hard digging at upper levels. Very pale grey, gritty, silica flour with abundant hard, crystalline, banded and vughy, lump silica.
			3.1	Touched an iron-rich patch.
ATP10.17	327337	5447049	0-0.3	Humus and soil.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			0.3-0.9	Very strongly coherent silica flour. Crushes to pale grey silica flour with moderate grit. Too hard to continue.
ATP10.18	327271	5447033	0-0.3	Humus and soil.
			0.3-3	Very pale brown, sandy, gritty, silica flour with minor pink and cream crystalline lump. Upper level much harder to dig.
			3	Bottom of pit. Started augering.
			3-5.5	Very pale brown, silica flour.
			5.5-6	Passed into dark brown, wet sand.
ATP10.19	327284	5447046	0-0.3	Humus and soil.
			0.3-3	About 1.25 m of hard digging in fragmental crystalline lump then soft creamy-pink, sandy, gritty, silica flour.
			3	Started augering.
			3-7	Very pale brown, sandy, silica flour with a little lump.
ATP10.20	327293	5447066	0-0.4	Humus and soil.
			0.4-3.2	About 1.5 m of hard digging in fragmental crystalline lump then soft, very pale brown, gritty, silica flour with very little lump.
			3.2	Started augering.
			3.2-4.7	Soft silica flour.
			4.7-5.2	Passed into brown sand.
ATP10.21	327311	5447092	0-0.3	Humus and soil.
			0.3-1.8	Hard digging in abundant lump of crystalline quartz with a 'matrix' of silica flour.
			1.8-2.5	Very pale brown, sandy silica flour.
			2.5	Started augering.
			2.5-6.6	Pale brown, sandy, gritty, silica flour.
ATP10.22	327319	5447129	0-0.3	Humus and soil.
			0.3-1.5	Hard digging in crystalline lump with substantial 'matrix' of silica flour.

Test Pit Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
			1.5-2.6	Easy digging in very pale brown, sandy, gritty, silica flour with a little lump of crystalline quartz.
			2.6	Started augering.
			2.6-6	Very pale brown, sandy, gritty, silica flour with minor lump. Hard near bottom.
ATP10.23	327247	5446992	0-0.3	Humus and soil.
			0.3-3.3	Easy digging in very pale brown, sandy, silica flour with common, easily crushed lump of coherent silica flour. Material in lower part is more strongly coherent and displays regular, close spaced joints.
ATP10.24	327204	5447011	0-0.4	Humus and soil.
			0.4-3.1	Easy digging in very pale brown, sandy, silica flour with minor, easily crushed lump.
ATP10.25	327238	5447051	0-0.3	Humus and soil.
			0.3-2	Very slow digging in fragmental, hard lump with silica flour as 'matrix'. Flour is pale brown to very pale brown, sandy and gritty. Lump includes seams of orange, pink and reddish quartz crystals.
			2	Digging too slowly.
ATP10.26	327215	5447032	0-0.4	Humus and soil.
			0.4-2.2	Similar ATP10.25
			2.2	Digging too slowly.
ATP10.27	327251	5447075	0-0.4	Humus and soil.
			0.4-2.1	Similar to ATP10.25
			2.1-2.7	Easy digging in very pale brown, gritty, silica flour.
			2.7	Started augering.
			2.7-6.7	Very pale brown, sandy, gritty, silica flour with minor crystalline lump. Damp near 6.7 m.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 7: ML9M2007 Blackwater. Logs of drill holes at Little Hill and West Track Extension. February-March, 2010.

Driller: Tasmanian Drilling Services, New Norfolk, Tasmania.

Drill: Truck mounted air core/percussion RC. Most of the drilling was by air core.

The coordinates of the drill holes were determined with a Magellan 315 hand held GPS.

Little Hill and West Track Extension air core/percussion RC holes

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
AC10.09- AC10.12				In and near the mined area at Little Hill.
AC10.09	327411	5446893	0-3.5	Pale grey, sandy, silica flour with substantial fines and a little lump at 2-3 m.
			3.5-5	Pass into dark brown, organic-rich sand.
AC10.10	327377	5446903	0-2	Pale brown to very pale brown, silica flour.
			2-5	Very pale brown and very pale grey, silica flour.
			5-6	Ditto with patchy dark brown sand (contamination?).
			6-8	Very poor return of pale brown, silica flour and very rapid rod advance (cavity?).
AC10.11	327400	5446894	0-2	Contaminated by rubbish in the rods and cyclone.
			2-4	Very pale brown, sandy, silica flour.
			4-8	Dark brown, organic-rich sand.
AC10.12	327375	5446814	0	Collared on contour track south of workings on Little Hill. Washed out rods before drilling.
			0-4	Very pale grey, silica flour, no grit or lump.
			4-5	Dark brown organic-rich sand.
			5-7	Pale brown, silica flour.
AC10.13- AC10.19				On West Track and a nearby cleared line.
AC10.13	327355	5446977	0-4	Pale coloured, sandy, gritty, silica flour, but with pale brown contamination.
			4-5	Dark brown and wet.
			5	Refusal on hard rock.
AC10.14	327364	5447025	0-3	Grey and pale grey, gritty, silica flour with minor lump.
			3-4	Very pale grey, silica flour with pale brown contamination.
			4-5	Brown clay with hard lump fragments.

Drill Hole Number	MGA Easting (m)	MGA Northing (m)	Depth Interval (m)	Comment
AC10.15	327375	5447065	0-4	Grey and pale grey, sandy, gritty, silica flour.
			4-5	Poor recovery of crystalline lump. Wet.
			5-6	Poor recovery of brown sand.
			6-7	Hammered through hard, pale grey, lump silica.
AC10.16	327374	5447161	0-7	Sandy silica flour of poor colour. 0-2 m dark; 2-5 m pale grey; 5-7 m grey.
			7-8	Hammered through pale brown, lump silica.
			8-13	Air core. Grey, sandy, gritty, silica flour.
			13-15	Lump and grit in brown sand.
AC10.17	327319	5447127	0-10	Sandy silica flour with varied colour that may reflect contamination. Pale grey 0-1 m; dark grey 1-2 m; very pale grey 5-7 m; dark brown 7-8 m; pale brown 8-10 m.
			10-12	Dark brown sand with abundant lump.
			12	Refusal.
AC10.18	327273	5447104	0-1	Contaminated.
			1-5	Pale grey, sandy, silica flour with very little grit.
			5-10	Orange and brown clay.
AC10.19	327377	5447110	0-2	Grey, sandy, silica flour with brown contamination from rods and cyclone.
			2-4	Hammering through hard, cream, lump silica.
			4-10	Air core. Sandy silica flour of varied colour. Grey 4-6 m; pale grey 6-8 m; very pale brown 8-10 m.
			10-14	Hammering. Product becomes black and brown with grit and chips.

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 8: EL35/2003 Stephens Rivulet and Hawkes Creek. Survey data for
Second Hill Southeast, Hawkes Creek. February-March, 2010.

Source: Survey Resources, Launceston.



COPY

SURVEY RESOURCES

I. R. Green & C. L. Pedersen
Partners

A.B.N. 42 315 275 525

Authorised
Land, Engineering
& Mining Surveyors



Our Ref: 08.050

6 April 2010

The Manager
Tasmanian Advanced Minerals
PO Box 378
WYNYARD Tas 7325

Dear Sir,

Re: **Hawkes Creek Prospect**

We are pleased to advise that:

- The survey of the tracks, drill-hole collars and test-pit sites at the southern extension of the Hawkes Creek Prospect (Second Hill South East), together with the terrain survey of most of the area at the south-west of the southern extension has been completed.
- The drawings of the Hawkes Creek Prospect tracks, drill-holes and the area (contoured) south-west of the southern sections have been updated.
- A digital model of the upper and lower surfaces of the ore body has been developed.
- The calculated volume of the Second Hill South East ore body is 98,760m³.

Please find attached the following:

- Copy of Drawing V04, being the total site.
- Copy of Drawing V05, being the Second Hill South East area
- Copy of Drawing V06, being the top and bottom of the Second Hill South East resource, as defined by the drill-hole data.
- Our account for these services.

Please advise if any further information is required.

Yours faithfully,
SURVEY RESOURCES

Ian Green

100406

Copy to N Turner



Tasmanian Advanced Minerals
Hawkes Creek Prospect, Second Hill South East
Drill & Test Pit Intercepts of Silica Flour Resource
Nic Turner, 25.3.10

Hole Specification	Depth Collar to Top (m)	Depth Collar to Bottom (m)	Notes
AC10.20	1	11.5	
AC10.33	0	11	
AC10.21	0	12	
AC10.32	0	10	
AC10.22	0	9.5	
AC10.23	0	5.5	
ATP0816	0.3	1.8	
ATP10.55	0	0	Edge of resource
AC10.24	0	9	
AC10.25	1	11	
AC10.31	0	12.5	
AC10.26A	0	11.5	
AC10.27	1	11.5	
AC10.30	0	13	
AC10.29	0	10	
ATP10.30	0.3	2.7	
ATP10.28	0	0	Edge of resource
ATP10.31	0	0	Edge of resource
ATP10.38	0	0	Edge of resource
AC10.28	0	16	
ATP10.37	0	0	Edge of resource
ATP10.36	0.4	3	
ATP10.34	0	0	Edge of resource
ATP10.35	0.4	2	
ATP0817	0	0	Edge of resource

The peg in the south west corner of the floor of the 'Big Pit' marked the bottom of the resource, but this peg is not shown in the plan of the survey.

Tasmanian Advanced Minerals
Hawkes Creek Prospect: southern extension
Surveyed 10-12 March 2010

MGA coordinates, AHD heights

easting	northing	height	point
322 558.4	5 448 100.8	62.0	AC10.20
322 531.4	5 448 121.8	63.2	AC10.21
322 502.5	5 448 123.1	64.5	AC10.22
322 490.3	5 448 134.8	61.6	AC10.23
322 498.3	5 448 103.8	68.0	AC10.24
322 505.1	5 448 074.9	69.7	AC10.25
322 537.5	5 448 089.8	69.0	AC10.26
322 537.2	5 448 088.7	69.1	AC10.26A
322 530.5	5 448 055.3	70.0	AC10.27
322 574.6	5 448 033.7	65.5	AC10.28
322 583.3	5 448 053.8	64.2	AC10.29
322 559.7	5 448 052.9	69.2	AC10.30
322 529.0	5 448 076.9	70.7	AC10.31
322 520.0	5 448 124.8	64.0	AC10.32
322 542.6	5 448 114.8	62.6	AC10.33
322 573.2	5 448 034.4	65.6	ATP0805
322 501.5	5 448 099.3	68.6	ATP0806
322 492.8	5 448 126.2	63.3	ATP0807
322 565.1	5 448 093.5	61.6	ATP0808
322 506.4	5 448 079.1	69.7	ATP0809
322 569.5	5 448 053.7	67.3	ATP0810
322 585.7	5 448 053.7	63.8	ATP0812
322 534.6	5 448 055.8	70.4	ATP0813
322 536.5	5 448 085.1	69.7	ATP0814
322 529.0	5 448 123.0	63.2	ATP0815
322 521.7	5 448 152.2	57.0	ATP0816

322 457.8	5 448 107.4	54.5	ATP08.17	(note: ATP08.18 shown on Nic's plan at this position)
322 472.1	5 448 052.0	50.5	ATP08.19	
322 604.5	5 448 071.8	54.3	ATP10.28	
322 595.9	5 448 076.5	57.3	ATP10.30	
322 599.2	5 448 079.9	56.1	ATP10.31	
322 602.6	5 448 082.7	53.7	ATP10.32	
322 613.5	5 448 081.4	49.8	ATP10.33	
322 498.2	5 448 047.3	57.5	ATP10.34	
322 505.2	5 448 050.7	60.6	ATP10.35	
322 577.1	5 448 005.4	48.5	ATP10.36	
322 586.5	5 448 001.9	45.8	ATP10.37	
322 612.4	5 448 033.3	50.4	ATP10.38	
322 534.1	5 448 151.4	55.2	ATP10.55	

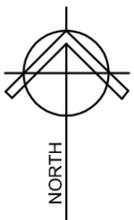
5448250 N

322500 E



5448000 N

DATUM:
 DATUM IS MGA SCALED FROM
 PLANE AT D/S (HC03):
 E: 322337.717
 N: 5448435.483
 H: 60.513
 SCALE FACTOR OF 0.9999725
 APPLIED ABOUT D/S (HC03)
 TO ACHIEVE MGA MEASURES.
 LEVEL DATUM: AHD



SURVEY RESOURCES

(A.B.N. 42 315 275 525)
 26 Holbrook St. Inveresk
 PO Box 1192
 Launceston
 Tasmania 7250

Telephone: (03) 6331 5721
 Facsimile: (03) 6331 5741
 Email:

admin@surveyresources.com.au

Authorised
 Land, Engineering
 & Mining Surveyors



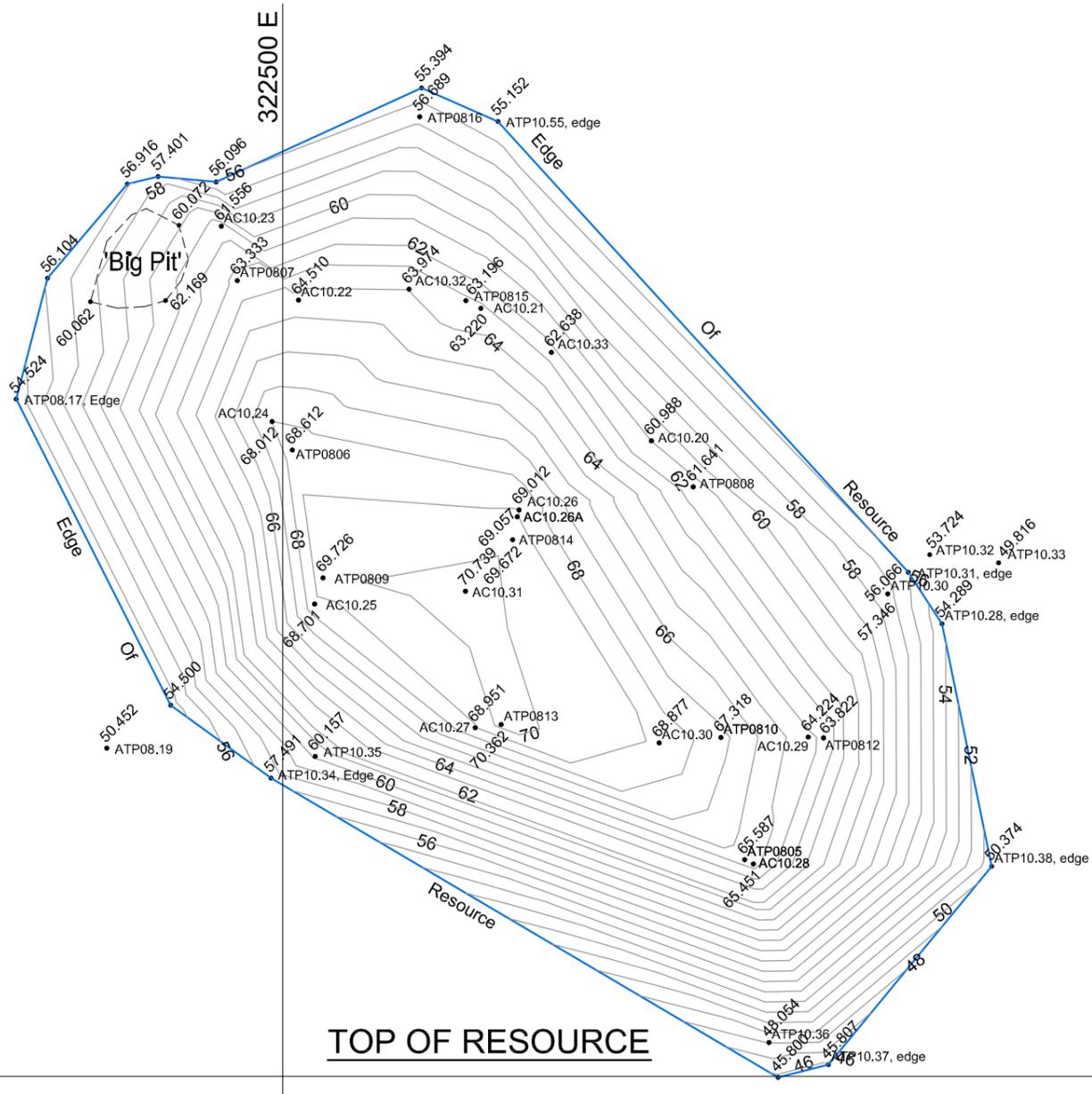
SCALE.	1:1000 AT A3
DRAWN.	N.Perrie
DESIGNED.	I.R.Green
DATE.	19.03.2010
APPROVED.	

TASMANIAN ADVANCED
 MINERALS
 SILICA FLOUR SITE
 CHATLEE ROAD
 HAWKES CREEK, PROSPECT

REFERENCE:

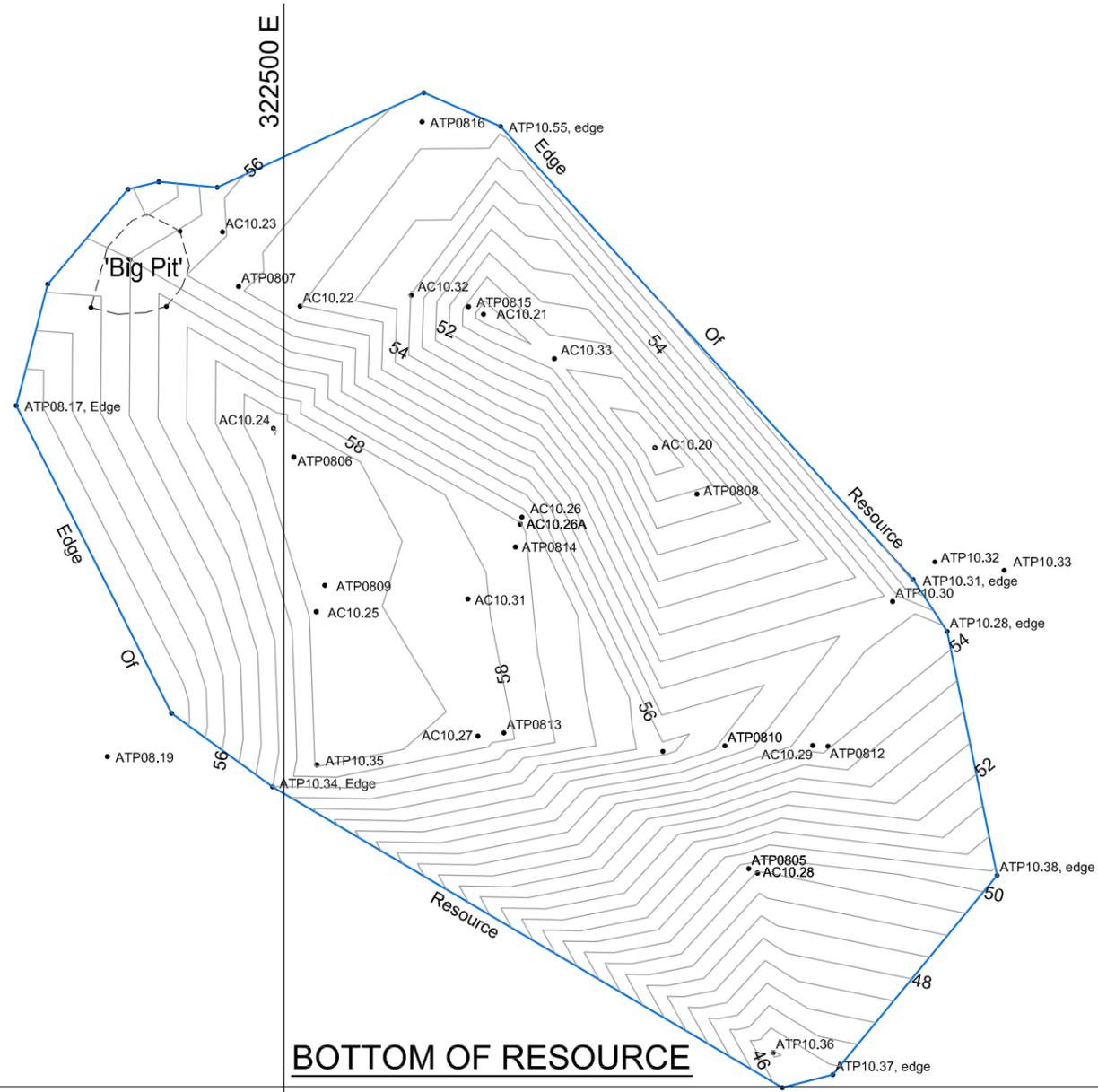
08.050

V05



TOP OF RESOURCE

5448000 N

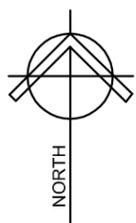


BOTTOM OF RESOURCE

5448000 N

DATUM:
 DATUM IS MGA SCALED FROM
 PLANE AT D/S (HC03);
 E: 322337.717
 N: 5448435.483
 H: 60.513
 SCALE FACTOR OF 0.9999725
 APPLIED ABOUT D/S (HC03)
 TO ACHIEVE MGA MEASURES.

LEVEL DATUM: AHD



SURVEY RESOURCES
 (A.B.N. 42 315 275 525)
 26 Holbrook St. Inveresk
 PO Box 1192
 Launceston
 Tasmania 7250

Telephone: (03) 6331 5721
 Facsimile: (03) 6331 5741
 Email:
admin@surveyresources.com.au

Authorised
 Land, Engineering
 & Mining Surveyors

SCALE.	1:1000 AT A3
DRAWN.	N.Perrie
DESIGNED.	I.R.Green
DATE.	01.04.2010
APPROVED.	

TASMANIAN ADVANCED MINERALS
 SILICA FLOUR SITE SECOND HILL SE
 RESOURCE EXTENTS
 CHATLEE ROAD
 HAWKES CREEK, PROSPECT

REFERENCE:
 08.050
 GCV21
V06

TASMANIAN ADVANCED MINERALS PTY LTD

Interim report on February-March, 2010, exploration in
EL15/2009 Hawkes Creek
EL35/2003 Stephens Rivulet and Hawkes Creek
ML9M2007 Blackwater

10th April, 2010

Appendix 9: Chemical and grain size analyses

Laboratory: Tasmanian Advanced Minerals Pty Ltd, Wynyard
Analyst: Takehisa (Toy) Miyachi
Method of chemical analysis: ICPMS

Terms

Cut: Assay of 45-250 micron portion
Mag: Sample has undergone magnetic separation
HL: Sample has undergone heavy liquid separation