

80-1477

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EXPLORATION LICENCE 43/70
 SISTERS CREEK, TASMANIA
 DRILLING PROGRAMME
 DECEMBER 1976

80-1477

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049002

EXPLORATION LICENCE 43/70

SISTERS CREEK AREA, TASMANIA

DRILLING PROGRAMME

DECEMBER, 1976

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Summary

Following favourable surface sampling, shallow reconnaissance percussion drilling to a maximum depth of 21 metres was carried out on the Jacob Quartzite in the Sisters Creek area of western north Tasmania. Drilling was carried out within EL 43/70 under agreement with the holders, Mineral Holdings Pty. Ltd.

Weathering to chemically acceptable, but often soft, quartzite is extensive, extending to at least 21 metres in some areas. The quartzite appears to be unacceptably aluminous in the unweathered form. However, a limited amount of hard, chemically acceptable quartzite was located extending to the 21 metre maximum depth of drilling, and this could represent primarily low alumina quartzite.

1. Introduction

The Sisters Creek area lies on the western north coast of Tasmania (see Figure 1). A formal agreement was made with Mineral Holdings Pty. Ltd. to enable BHP to carry out exploration of Mineral Holdings' Exploration Licence 43/70. The first term expires on 19th August 1977.

Quartzites of Proterozoic age are shown on Mines Department maps of the area. The Jacob Quartzite was chosen for further work because of apparently good surface properties, similarity to other areas, and accessibility.

The area was initially surface sampled. A programme of percussion drilling was carried out on the Jacob Quartzite from 1st to 9th December, 1976, to determine if acceptable surface quartzite extends to depth. The drilling was planned as a reconnaissance programme to locate suitable quartzite, if any, and to indicate its extent, not to delineate deposits.

2. Geology

The Rocky Cape Group of Precambrian rocks contains two predominantly quartzite units, the Jacob Quartzite and a unit within the older Detention Sub-Group, each over 1200 m thick. These form resistant ridges in the area, the Sisters' Hills, Dip Range and Rocky Cape.

The quartzites are similar in most respects, typically consisting of fine, even grained, well bedded quartzite with a granular to glassy appearance depending on cementation. Quartz content is in excess of 98%, occurring as grains, cemented by quartz in optical continuity, but showing ghosts of original grains as lines of fine dust.

The orthoquartzites are often cross bedded.

Isoclinal folds are visible in quartzite and interbedded schist-quartzite at the southern end of the Jacob Quartzite, near Meunna.

Interbedded siltstone on a large and small scale occurs within the quartzites, though bands of pure quartzite in excess of 50 m thick are visible in outcrop. The more aluminous quartzites and schists are recessive on the surface giving poor or no outcrop.

Weathering appears to have been intense and extensive with soft sandy quartzite occurring to beyond the 21 m depth of drilling in some holes. Hard quartzite was also intersected to 21 m, the full depth of drilling. Surface silicification appears to have occurred in some outcrops

forming a "cap" over soft sandy weathered quartzite. Darker brown material in some holes often indicates an increase in alumina as less weathered material was intersected.

Dips generally range from 50 - 85° in the areas drilled.

3. Work Carried Out

3.1 Reconnaissance

The quartzites were broadly examined to determine drilling sites, which were located on aerial photographs.

3.2 Drilling

Twenty-one angle and vertical percussion holes totalling 294 metres were drilled to a maximum depth of 21 metres. The locations are shown on Figure 2. Drilling was done with an Atlas Copco airtrac drill fitted with a dust and sample collector. Samples were collected at 3 metre rod changes and riffled down to approximately one kilogram.

Samples were logged and thirty-four samples from selected intervals were submitted for SiO₂, Al₂O₃ and Fe₂O₃ analysis by BHP's Newcastle laboratories.

Drilling was restricted by water at shallow depths in many cases, which restricted sampling.

Drill logs are given in Appendix 1, and drill sample analyses are given in Appendix 2.

4. Discussion of Results

4.1 Drilling

1. Hard, chemically acceptable quartzite extends to the 21 metre limit of drilling in some holes, and basically low alumina quartzites appear to exist extending below weathering.

2. There is a general increase in alumina with depth, and most of the quartzite appears to be chemically unacceptable in weathered form.

3. Depth of weathering, as evidenced by soft sandy quartzite, is variable to in excess of the 21 metre maximum depth of drilling. Surface silicification is common with a hard capping over weathered or solid quartzite.

005

4. Material logged as hard was comparable to and harder than quartzite drilled elsewhere in Tasmania, by comparison with bit wear and drill penetration.

5. A number of holes were stopped prematurely in good quartzite at the water table, beyond which sampling became unreliable.

6. Extensive non-outcrop areas concealed mainly softer, shaley, schistose quartzite.

Appendix 1

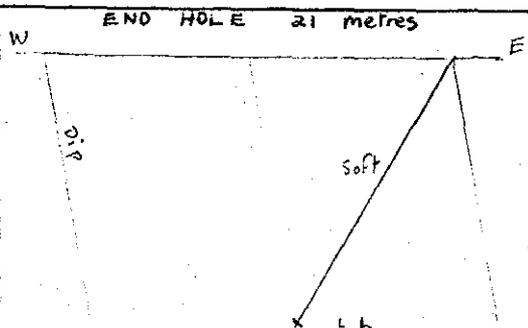
Drill Logs

007

Location Sisters Creek Coordinates, local Sec Plans Geographical 361
 Angle of depression 60° Bearing (Mag) 300° CROWN
 Drill Co March West Drilling Driller Geo P. H. 125 Drill type A/C Airtrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 2/12/76

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Geology	Comments	Analyses %		
		SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
soft white sandy weathered quartzite Not sampled.	outcrop dips 80°/120°			
As above.				
Brown and sandy, slightly harder.				
White and yellow sandy quartzite but harder than above.	Not sufficiently clean, visually, to assay.			
Yellow sandy sample as above. Medium hard to soft.				
As above but darker brown in the last metre				



see diagrammatic section across strike.
11500

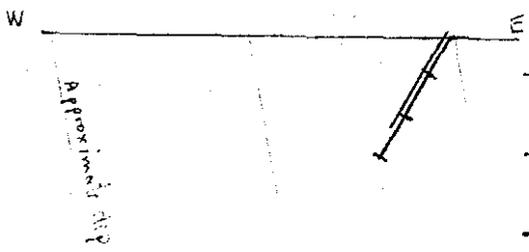
5 cm

008

049010

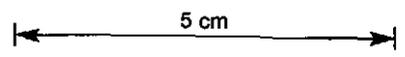
Location Sisters Creek Coordinates, local See Plans Geographical E 30° N
 Angle of depression 60° Bearing (Mag) 300 S.
 Drill Co. North West Drilling Driller Glen Phillips Drill type R/C Airtrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 3/12/76

Geology	Depth (m)	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe
White powdery, sandy, Medium hard drilling. Quartzite weathered.		Outcrop dips 80°/110°			
As above with yellow brown quartzite between 4 & 5 metres. Some white vitreous quartzite chips					
As above, yellow brown tinted quartzite powder with hard chips					
Yellow brown wet clayey sand. Not sampled.					
END HOLE 9 metres					



Diagrammatic section
 SC 2 across section

1:500
 Hard |
 soft



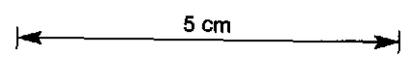
009

049011

Location: Gofers Creek Coordinates, local: See Plans Geographical: SE-3
 Angle of depression: vert Bearing (Mag): E. CROWN
 Drill Co: Wash Drilling Driller Equip: Phillips Drill type: P/C Air trac: S. Commenced: CROWN
 Sheet: 1 of 1 Scale: 1:100 Completed: 3/12/76

Geology	Dip	Comments	Analyses %			
			SiO ₂	Al ₂ O ₃	FeO	CaO
Collared in white sandstone like quartzite, medium hard to soft with a patch of yellow clay.		Dip vertical to steep easterly.				
Medium hard as above but medium to brown coloured sandy sample.		Drilled to determine variation of surface outcrop with depth, hence close angle to bedding.				
Wet hole, not much sample recovered but medium to hard and apparently similar to above						
END HOLE 9 metres						

1:500

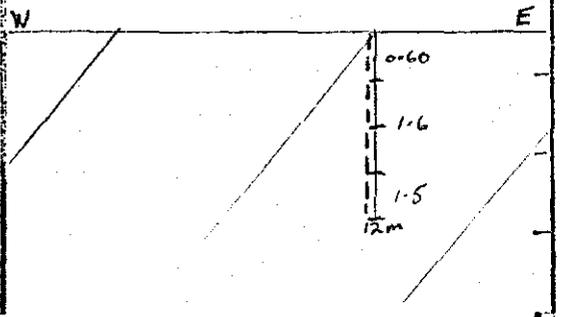


20

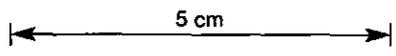
049012

Location, Sisters Creek Coordinates, local. See Plans Geographical E. ^{SC4} Crown S.
 Angle of depression, Vert Bearing (Mag)
 Drill Co. North West Drilling Driller, Glen Phillips Drill type, P/C Airtrac Commenced,
 Sheet 1 of 1 Scale 1:100 Completed, 3/12/76

Geology	Depth (metres)	Loss	Comments	Analyses %		
				SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
white quartzite producing hard chips. Medium hard drilling.			Outcrop Dips 50° toward 300°. Hole collared on road along west side of gravel pit.	98.4	0.60	0.25
Light brown quartzite. Medium hard.						
Light brown quartzite, sandy sample. Medium hard.				96.0	1.6	0.35
As above						
Darker, medium brown sandy sample with dark brown chips. Medium hard.				95.1	1.5	0.35
END HOLE 12 metres						



Diagrammatic section scale 1:500
 Al₂O₃ % shown.
 | Medium hard.

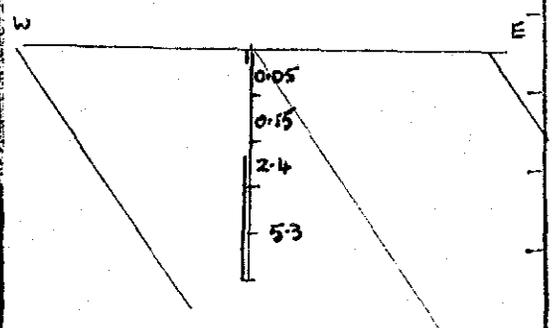


11

049013

Location: Sisters Creek Coordinates, local: See Plans Geographical E: SC5
 Angle of depression: vert. Bearing (Mag): POPES
 Drill Co: West Drilling Driller, Glas Phillips Drill type: A/c Airtrac Commenced: S.
 Sheet: 1 of 1 Scale: 1:60 Completed: 3/12/76

Geology	Depth Log	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard white sandy quartzite		outcrop dips 55° toward 130°	99.0	0.05	0.25
Soft white sandy quartzite		soft sandy poorly exposed outcrop	99.3	0.15	0.20
Soft light brown sandy quartzite					
Medium hard, brown quartzite, chips of dark brown and offwhite quartzite & light brown sand.			94.6	2.4	0.65
As above with clay and mica?			89.7	5.3	0.60
END HOLE. 15 metres					



5 cm

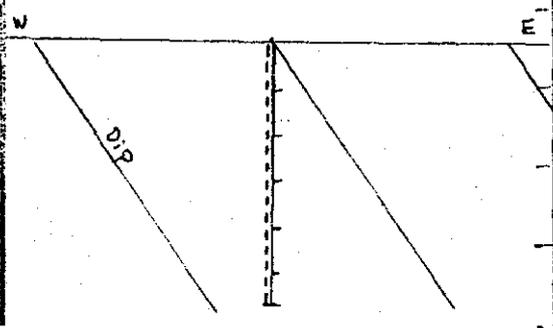
Diagrammatic section
 scale 1:500
 Drawn across strike
 % Al₂O₃ shown
 | Hard, otherwise soft.

012

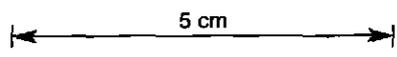
Location, Sisters Creek Coordinates, local, See Plans Geographical E. 506
 Angle of depression, Vert Bearing (Mag) POPE'S
 Drill Co. North West Drilling Driller, Glen P. B. III Drill type, A/C AirTrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 3/12/76

049014

Geology	Dip	Comments	Analyses		%
			SiO ₂	Al ₂ O ₃	
Medium hard to soft white sandy quartzite with some white sucrose chips		23 metres east of SC 5			
Medium hard to soft light brown quartzite with some brown and white chips					
As above					
Medium hard quartzite, white sandy sample with plentiful white vitreous quartzite chips.					
Light brown quartzite similar to above, with fewer chips.					
No sample but material similar to above adhered to bit. END HOLE 17 metres		wet hole stopped drilling			



scale 1:500

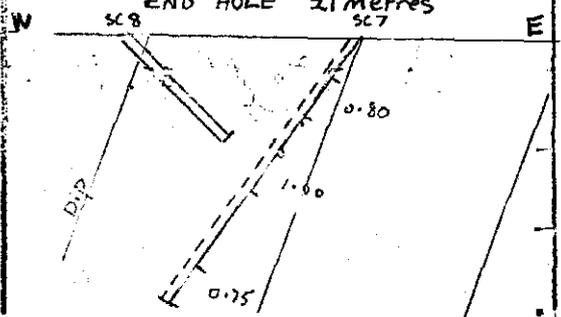


13

049015

Location Sisters Creek Coordinates, local See Plans Geographical SC 7 E Popes
 Angle of depression 55° Bearing (Mag) 310° S
 Drill Co. North West Mining Driller Alan Phillips Drill type A/C Airtrac Commenced -
 Sheet 1 of 1 Scale 1:100 Completed 3/12/76

Geology	Dip	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Hard white vitreous quartzite with white vitreous chips in white powder		Outcrop dips at 70° toward 310° but varies to eastward north of site.			
Medium hard as above		Near gravel pits, on track.	97.8	0.80	0.40
As above					
As above but light brown.			96.9	1.00	0.45
Medium hard, off white sample with light brown and off white quartzite chips					
			97.5	0.75	0.35



Diagrammatic section across strike @ 1:500
 Al₂O₃ % shown
 | Hard ; Med Hard

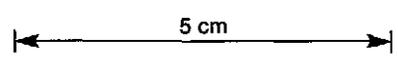
5 cm

014

Location, Sisters Creek Coordinates, local, see Plans
 Angle of depression, 45° Bearing (Mag) 130°
 Drill Co. North West Drilling Driller, GLEN PHILLIPS Drill type, A/C Airtrac
 Sheet 1 of 1 Scale 1:100
 Geographical E. POPES S.
 Commenced: Completed: 4/12/76

049016

Geology	Depth (m)	Comments	Analyses %			
			SiO ₂	Al ₂ O ₃		
No sample. Alluvium.		15m across strike west of SC7				
Hard white vitreous quartzite chips and white powder						
off white but otherwise as above.		Wet hole, discontinued through lack of circulation				
END HOLE 9 metres						
		see SC 7				



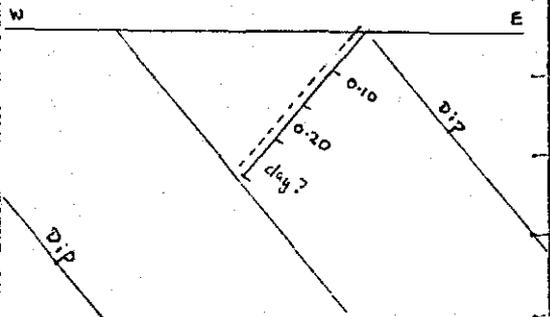
215

Location Sisters Creek Coordinates, local See Plans Geographical 50° 50' S
 Angle of depression 50° Bearing (Mag) 305°
 Drill Co North West Drilling Driller Glen Phillips Drill type A/C Airtrac Commenced 5/12/76
 Sheet 1 of 1 Scale 1:100 Completed 5/12/76

049017

Geology	Depth (m)	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard quartzite White chips and powder		Outcrop dips 50°/120°			
softer broken? quartzite. Coarse chips of white quartzite not cut by bit.			98.8	0.10	0.20
Medium hard creamy coloured powdered quartzite with vitreous chips.					
Medium hard. Light brown quartzite with some white and mainly brown vitreous chips.			97.3	0.20	1.1
Yellow brown sample with light brown vitreous quartzite chips. May have clayey sections.					

END HOLE 12 metres.



Diagrammatic section
 across strike @ 1:500
 Al₂O₃ % shown
 | red hard

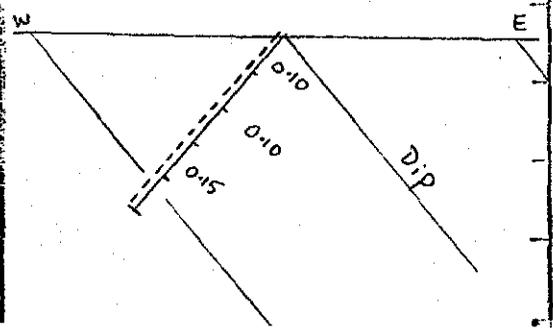
5 cm

16

Location: Sisters Creek Coordinates, local: See Plans Geographical F 5C10
 Angle of depression: 50° Bearing (Mag): 300° S 8055
 Drill Co: North West Drilling Driller: Glen Phillips Drill type: A/C Air frac Commenced:
 Sheet: 1 of 1 Scale: 1:100 Completed: 5/12/76

049018

Geology	Depth Log	Loss	Comments	Analyses %		
				SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard with white vitreous and sucrose chips in powder.			Outcrop dips 50°/120°	98.9	0.10	0.30
off white as above.						
Water in last 0.5 m stopped continuation of sampling so hole discontinued.				98.7	0.10	0.35
Sample clinging to bit from bottom of hole is as above.				99.1	0.15	0.35
END HOLE 15m						



Diagrammatic section
 across strike @ 11500
 % Al₂O₃ shown
 ; Medium hardness.

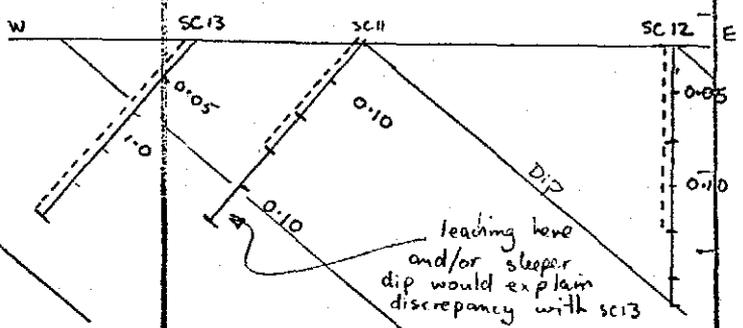
5 cm

017

Location Sisters Creek Coordinates, local See Plans Geographical SE 11
 Angle of depression vert 50° Bearing (Mag) 310 Bos's
 Drill Co North West Drilling Driller Gen PHILIPS Drill type A/E Airtrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 5/12/76

049019

Geology	Depth (m)	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard white quartzite and sucrose chips.		outcrop dips 40°/120°	98.9	0.10	0.45
Medium hard to soft creamy coloured quartzite as sandy sample.					
As above.					
As above, very soft.			99.0	0.10	0.25
END HOLE 15 m					



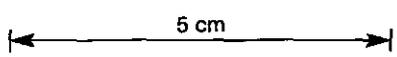
5 cm

018

049020

Location, Sisters Creek Coordinates, local, See Plans Geographical E. SC 12, Bos's
 Angle of depression, Vert. Bearing (Mag) S.
 Drill Co. North West Drilling Driller, Glen Phillips Drill type, A/C Air Trac Commenced.
 Sheet 1 of 1 Scale 1:100 Completed. 5/12/76

Geology	Depth Leg.	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard white quartzite. Sandy sample with chips of vitreous and sucrose quartzite. Occasional 10-15cm. bands of light brown sample.		Outcrop dips 40°/120°	98.7	0.05	0.30
			98.5	0.10	0.35
light brown soft sandy sample					
No recovery, stopped hole.					
END HOLE 17 m					
		see section on SC 11			

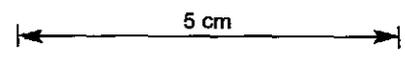


19

049021

Location Sisters Creek Coordinates, local See Plans Geographical E. SE 13
 Angle of depression 50° Bearing (Mag) 310 S. Bos's
 Drill Co. North West Drilling Driller Glen Phillips Drill type A/C Airtrac Commenced 3
 Sheet 1 of 1 Scale 1:100 Completed 5/12/76

Geology	Core Loc.	Depth (m)	Comments	Analyses %		
				SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard white quartzite. Chips in sample.			outcrop dips $40^{\circ}/20^{\circ}$	98.8	0.05	0.25
Creamy coloured sample overall. Medium hard at base and with some light brown patches. Sample sandy with some sucrose chips						
Medium hard to hard white quartzite with few white chips and shaly fragments increasing with depth. Poor sample recovery over last 5 metres.				97.7	1.0	0.5
END HOLE 15 m						
			see section on 'sc 11			

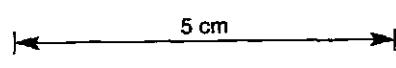


20

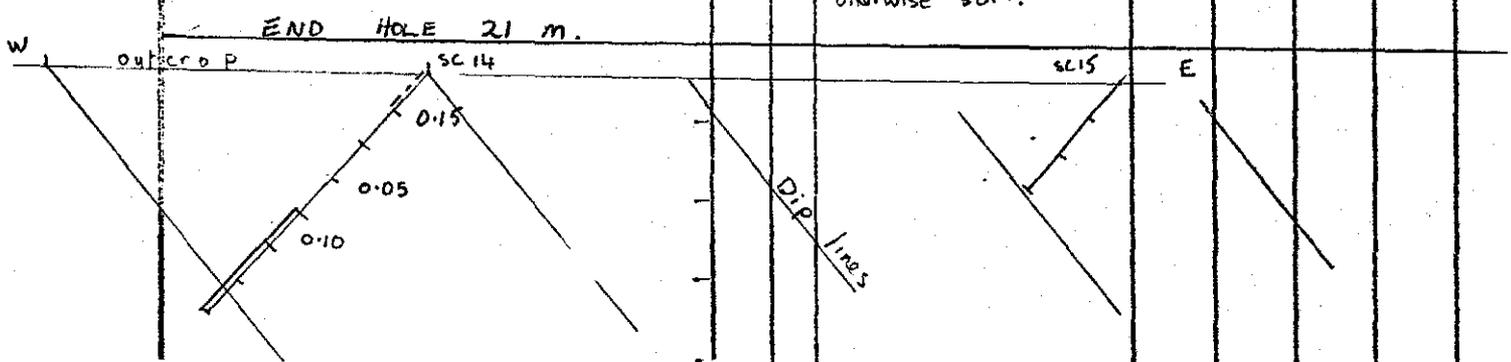
Location Sisters Creek Coordinates, local. See Plans Geographical E THOM'S
 Angle of depression 47° Bearing (Mag) 300° S.
 Drill Co. Northwest Drilling Driller. Glee Phillips Drill type. A/C Airtrac Commenced.
 Sheet 1 of 1 Scale 1:100 Completed 6/12/76

049022

Geology	Depth Log.	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard quartzite with white and orange-brown stained chips in creamy coloured powder.		Outcrop dips 50°/120° outcrop extends 25 metres westward.	99.0	0.15	0.40
Soft white sandy sample of quartzite.					
Very soft sandy light grey quartzite.			98.9	0.05	0.35
Hard white quartzite with white vitreous chips			99.1	0.10	0.35
As above but poor recovery decreasing to end.					



Diagrammatic section across strike @ 11:500
 | Hard, | medium otherwise soft.



021

Location, Sisters Creek Coordinates, local. See Plans Geographical E. SC15
 Angle of depression, 45° Bearing (Mag) 300° S.
 Drill Co. North West Valley Driller. Gen. Phillips Drill type B/C Airtrac Commenced.
 Sheet 1 of 1 Scale 1:100 Completed 6/12/76

049023

Geology	Depth m	Comments	Analyses %			
			SiO ₂	Al ₂ O ₃		
soft sandy white sample from quartzite.		45 m across strike east of 14.				
END HOLE 9 metres		see SC 14				

5 cm

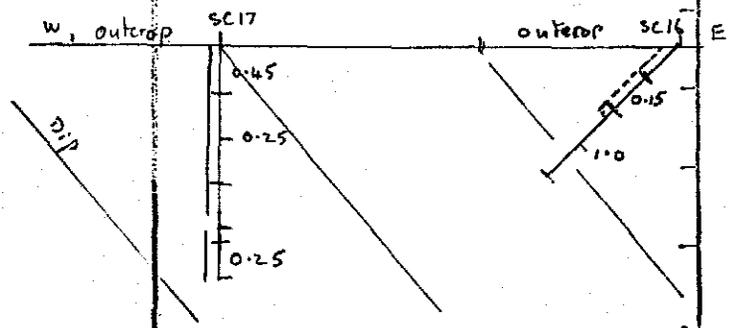
22

Location Sisters Creek Coordinates, local See Plans Geographical SC16 THOM'S
 Angle of depression 45° Bearing (Mag) 300° S.
 Drill Co. North West Drilling Driller, Glen Phillips Drill type A/C Airtrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 8/12/76

049034

Geology	Grain Size	Lenses	Comments	Analyses %		
				SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Soft light and medium brown weathered quartzite. Sandy sample, soft-med hard.			Outcrop dips 50°/20° The east most hole on Thom's drilled in projecting outcrop.			
Soft to medium hard light brown sandy moist quartzite sample. Lumps of white sucrose friable quartzite & some dark brown grains				99.3	0.15	0.45
Hard quartzite with chips						
Soft weathered light brown quartzite sand. Some sucrose friable lumps. A few white shaly fragments and yellow clayey lumps at bottom.				98.0	1.0	0.40

END HOLE 12 m.



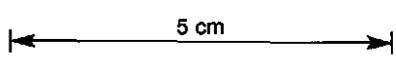
5 cm

23

Location Sisters Creek Coordinates local See Plans Geographical SC 17
 Angle of depression Vert. Bearing (Mag) Thom's
 Drill Co North West Drilling Driller Glen Phillips Drill type A/C Airtrac Commenced 8/12/76
 Sheet 1 of 1 Scale 1:100 Completed 8/12/76

049025

Geology	Depth (m)	Comments	Analyses %		
			SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Hard white quartzite with a soft yellow patch from 2-2.5m Very hard from 2.5-3.0		Outcrop dips 50°/120° 30 m across strike east of 16	98.1	0.45	0.35
Very hard white quartzite with white vitreous chips.			99.0	0.25	0.20
Orange-brown broken sandy moist qtz + clay					
Very hard probably white quartzite but discoloured by clayey water from above. Hard white chips in yellow brown and white sand.			98.9	0.25	0.25
END HOLE 15 m		see SC 16 for section			

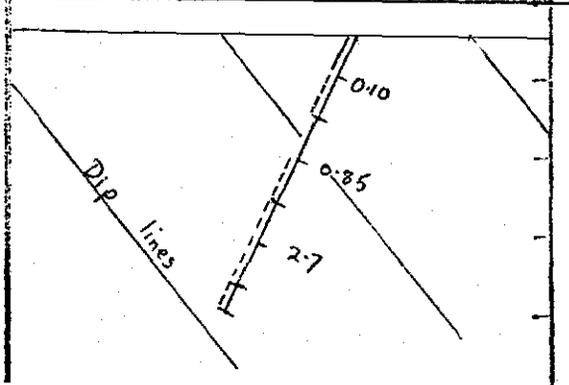


2A

049026

THE BROKEN HILL PTY. CO. LTD. Project 2476 DRILL HOLE SC 18
 Location Sisters Creek Coordinates, local. See Plans Geographical Box/Hot's
 Angle of depression 65° Bearing (Mag) 300° Fence
 Drill Co. North West Drilling Driller. Gles. P. 11/25 Drill type. A/c Airtrac Commenced
 Sheet 1 of 1 Scale 1:100 Completed 8/12/76

Geology	Comments	Analyses %		
		SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Hard white quartzite giving vitreous chips to 2.0m. 2.0-2.5 Very soft light brown quartzite 2.5-3.0 Off white hard and soft.	outcrop dips 50°/120°	99.2	0.10	0.20
Medium hard to soft white quartzite. Sandy sample				
Soft off white quartzite, sandy sample.		98.1	0.85	0.25
Medium hard to soft, light brown sandy quartzite sample containing a few white and orange brown chips of vitreous quartzite				
Medium hard to soft off white sandy sample with very fine possible mica. A few slaty shaly fragments increasing with depth. No returns stopped hole		94.8	2.7	0.50
END HOLE 20m				



Diagrammatic section across strike @ 1:500 % Al₂O₃ plotted.
 | Hard, | medium hard, otherwise soft.

5 cm

425

THE BROKEN HILL PTY. CO. LTD.

Project Y 670

DRILL HOLE SC 19

Location Sisters Creek Coordinates, local. See Plans

Geographical E. HAWLEY'S
S.

Angle of depression. 45° Bearing (Mag) 300°

Drill Co. North West Drilling Driller. Alan Phillips Drill type. A/C Airrac

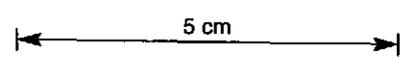
Commenced.

Sheet 1 of 1 Scale 1:100

Completed. 9/12/76

049027

Geology	Core No.	Depth m	Comments	Analyses %		
				SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Collared in soil, 0.5-6.0m soft tight to dark brown quartzite giving moist sandy sample. wet hole stopped drilling.			Outcrop dips 45°/120°			
END HOLE						

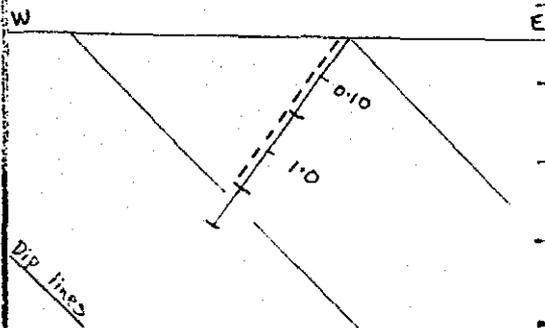


26

Location Sisters Creek Coordinates Local See Plans Geographical E HAWLEY'S
 Angle of depression 55° Bearing (Mag) 290° S.
 Drill North West Valley Driller, Glas Pt 11/25 Drill type A/C Airtrac Commenced
 Sheet 1 of 1 Scale 1/60 Completed 9/12/76

049028

Geology	Comments	Analyses %		
		SiO ₂	Al ₂ O ₃	Fe ₂ O ₃
Medium hard with chips of white quartzite.	Outcrop dips $45^{\circ}/120^{\circ}$			
Medium hard to soft white sample with sucrose chips		99.0	0.10	0.20
Medium hard quartzite producing a lot of white sucrose chips				
As above with some dark brown hard chips possibly clayey.				
As above. wet hole at base.		97.7	1.0	0.45
Dark brown puggy sand stuck to rods from base of hole and softer drilling than above				
END HOLE 15 m				



228

049030

Appendix 2

Drill Sample Analysis Results

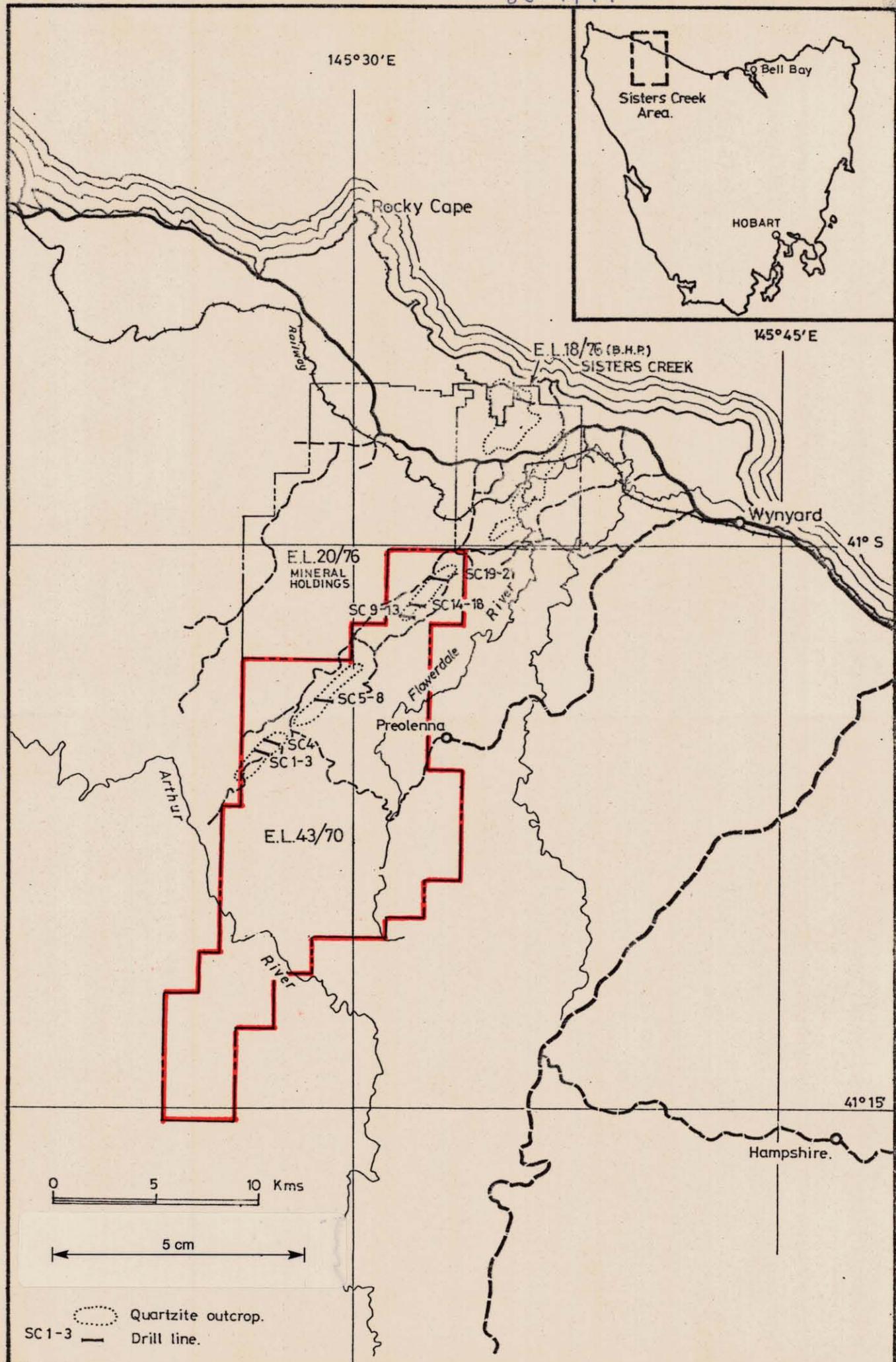
Analysis of Dried Samples.

<u>Sample Marked</u>	<u>SiO₂</u>	<u>Fe₂O₃</u>	<u>Al₂O₃</u>
SC4 0-3 m	98.4	0.25	0.60 %
SC4 3-9 m	96.0	0.35	1.6
SC4 9-12 m	95.1	0.35	1.5
SC5 0-3 m	99.0	0.25	0.05
SC5 3-6 m	99.3	0.20	0.15
SC5 6-9 m	94.6	0.45	2.4
SC5 9-15 m	89.7	0.60	5.3
SC7 3-6 m	97.8	0.40	0.80
SC7 9-12 m	96.9	0.45	1.0
SC7 18-21 m	97.5	0.35	0.75
SC9 0-6 m	98.8	0.20	0.10
SC9 6-9 m	97.3	1.1	0.20
SC10 0-3 m	98.9	0.30	0.10
SC10 3-9 m	98.7	0.35	0.10
SC10 9-12 m	99.1	0.35	0.15
SC11 0-6 m	98.9	0.45	0.10
SC11 9-15 m	99.0	0.25	0.10
SC12 0-6 m	98.7	0.30	0.05
SC12 6-12 m	98.5	0.35	0.10
SC13 0-6 m	98.8	0.25	0.05
SC13 6-9 m	97.7	0.50	1.0
SC14 0-6 m	99.0	0.40	0.15
SC14 6-12 m	98.9	0.35	0.05
SC14 12-15 m	99.1	0.35	0.10
SC16 3-6 m	99.3	0.45	0.15
SC16 6-12 m	98.0	0.40	1.0
SC17 0-3 m	98.1	0.35	0.45
SC17 3-9 m	99.0	0.20	0.25
SC17 12-15 m	98.9	0.25	0.25
SC18 0-6 m	99.2	0.20	0.10
SC18 6-12 m	98.1	0.25	0.85
SC18 12-18 m	94.8	0.50	2.7
SC20 0-6 m	99.0	0.20	0.10
SC20 6-12 m	97.7	0.45	1.0

030

80-1477

049032



Centre
Melbourne

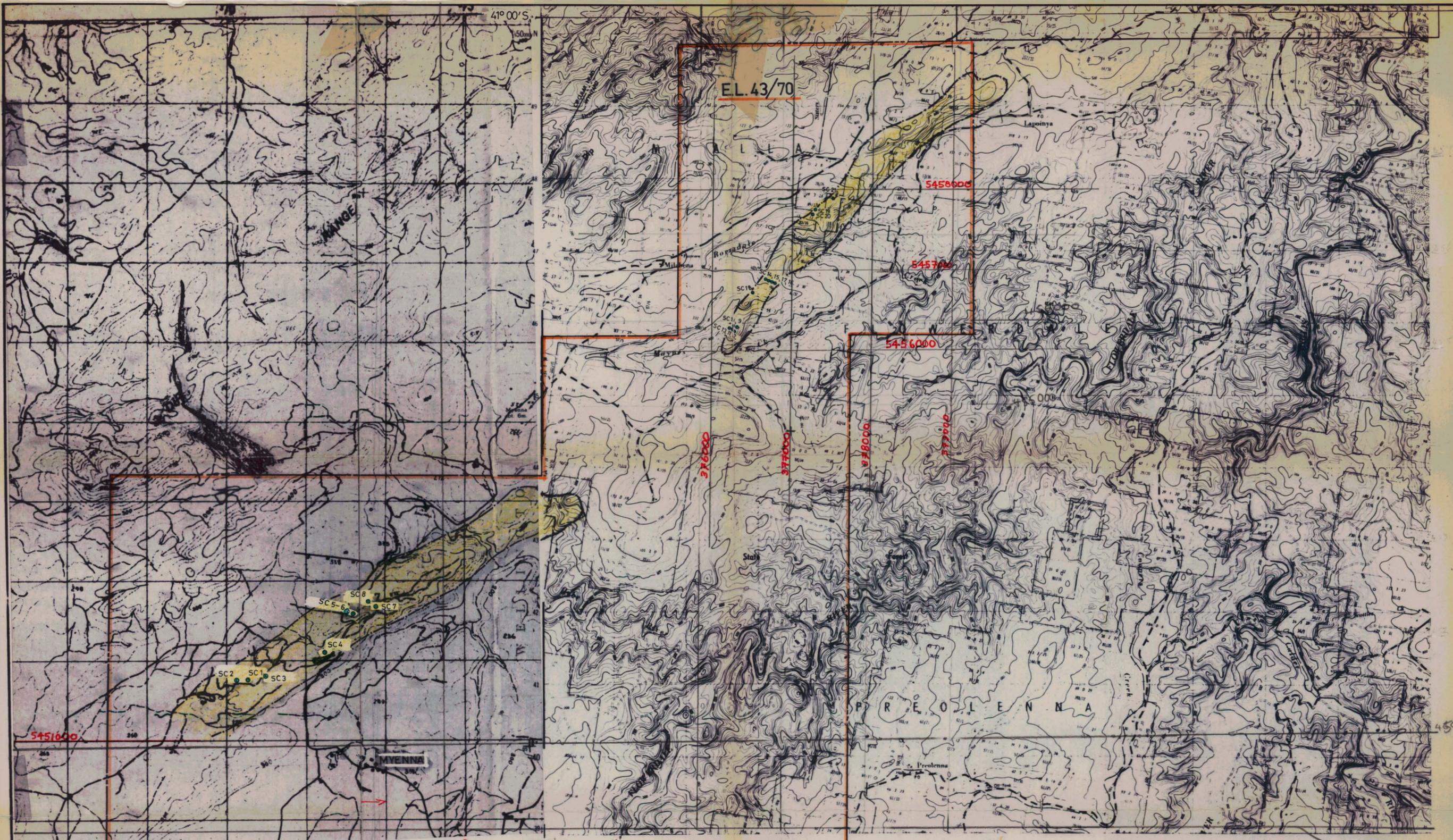
Date
29-3-77

THE BROKEN HILL PROPRIETARY CO. LTD.

QUARTZITE AREAS, SISTERS CREEK
E.L. 43/70. TASMANIA

Project No.

Drawing No.
A4-1765



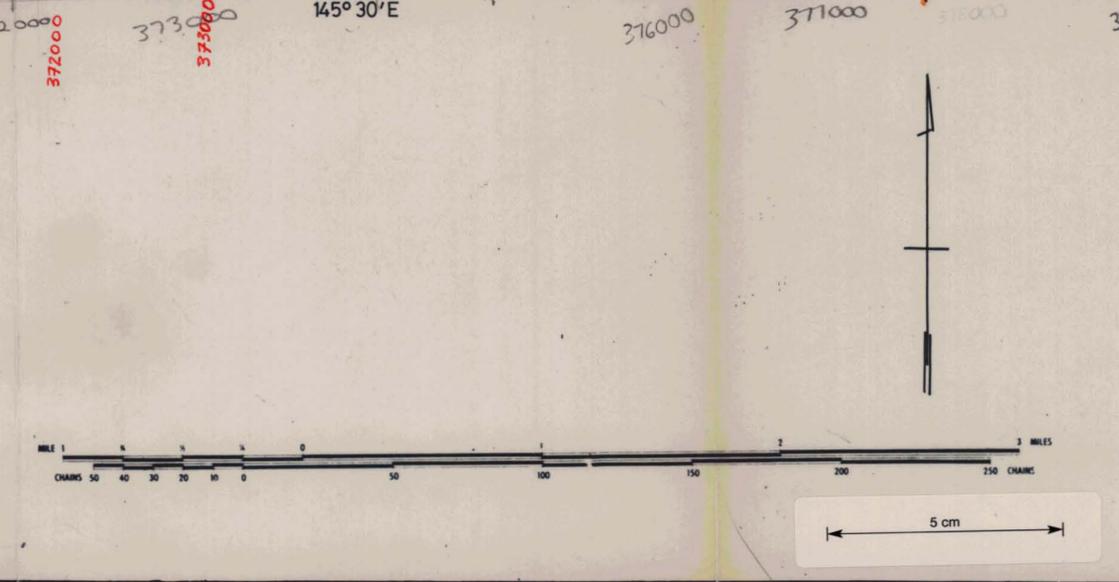
Revisions:	
Drawn:	Date: 4. 5. 77
Traced:	Project No:
Checked:	Centre: Melbourne
O.I.C.:	Drawing No: A2-

THE BROKEN HILL PROPRIETARY CO. LTD.
 EXPLORATION DEPARTMENT
 EL. 43/70 QUARTZITE - SISTERS CREEK, TAS.
 LOCATION MAPS, DRILL HOLES AND
 SURFACE CHIP SAMPLES 2915

Fig. No. 80-1477.
 To accompany
 Dated

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 TASMANIA
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- Boundary of Jacob Quartzite.
- Percussion drill holes
- Bulk chip sample traverse.

SCALE 40 CHAINS TO 1 INCH
 CONTOUR INTERVAL 25 FEET

Fig. 2.