7307

DEAD [illegible]

BOREHOLE NO. 2

WEARDALE

Submitted to: Acmin Exploration N.L. Ltd.
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[illegible]
April, 1973

Borehole No. 2 Dead Friars

1. Borehole No. 2 at Dead Friars was drilled from the same location as borehole 1 and set at an inclination of 63° so as to intersect the High Flat mineralisation within the Great Limestone 20 ft. on the north-west side of presumed extension of the Boltsburn Vein. Drilling was started on 6th February and was completed on 22nd February.

Determination of the Hole

2.

Depth in feet	Inclination in degrees
100	62
200	63
300	65
Wedge set at 392 ft. 4 in.	
400	69
500	71
600	73
700	75
800	75
Final depth 897 ft.	

Result.

3.a) The stratigraphy of borehole 2 differed only in detail from borehole 1 and showed an apparent dip of 5° to the north west.

b) The Little Limestone showed some replacement mineralisation but with insignificant quantities of galena.

c) The Boltsburn fault zone was intersected from 767-9 to 784-3 within mudstones and siltstones. This establishes, by comparison with the fault zone intersection in borehole 1, that the Boltsburn Vein is almost vertical between the Little Limestone and the Three Yard Limestone in this area.

d) The Great Limestone was intersected from 819-9 to 892-3. Mineralisation was most strongly developed between 835-0 and 858-0; this corresponds with the expected location of the High Flat within the Great Limestone.

Sampling

4. The most strongly mineralised core section of 23 ft. within the Great Limestone was split into six sections as follows, with the assay results shown:-

Sample No.	From ft.in.	To ft.in.	Thickness ft.in.	Pb%	Zn%
2/01	835-0	839-0	4-0	5.87	0.18
2/02	839-0	842-0	3-0	0.62	0.13
2/03	842-0	844-9	2-9	18.33	0.42
2/04	844-9	850-0	5-3	1.70	0.68
2/05	850-0	852-9	2-9	11.76	0.43
2/06	852-9	858-0	5-3	1.01	0.30

5. Weighted averages for the complete 23 foot intersection are 5.28% and 0.42%, lead and zinc respectively.

Conclusion

6. The hole was then cemented back to 587 ft. and a wedge set to achieve a downward deflection with the intention of intersecting the Boltsburn Vein within the Great Limestone.

7. Day-to-day core logging and supervision of the drilling were taken over by Mr. F. H. Jack of ACMIL on Thursday 8th March when the deflected hole had reached 755 feet 3 inches, still short of the Great Limestone. The deflection was completed, and an intersection similar to the above has been sampled and is being assayed, but the results are not yet to hand. The Boltsburn Vein itself was apparently not intersected and a second deflection was attempted but ran into difficulties and was abandoned. Borehole 3 was then sited by Mr. Jack and was being drilled at the date of this report.

London
April 1973

F. H. Fitch
Mackay & Schnellmann Limited

MACKAY & SCHNELLMANN LTD

CLIENT [illegible] PROJECT [illegible]

Co-ordinates [illegible] Elevation 1533ft. Inclination 62°-75° Drill BBS 20 Geologist Neil Scott Date Started 3.2.73 Hole No. 2

Bearing 341° Final Depth 807-0 Drillers Colin Beardsley, Charles Reilly and Nick Brown Date Stopped 22.2.73 Sheet No. 1

Graphic Log Scale		Depth From	Depth To	Bit Size/ Type	Recovery %	DESCRIPTION	Sample Number and Type		Depth From	Depth To	Assay/Test Results %	%	%	%		REMARKS
		0	7-0	H	Nil	Open hole.										
		7-0	59-0		100	Rather hard, weathered, generally coarse grained, micaceous, feldspathic sandstone with occasional weathered, micaceous partings, and one or two thin coaly partings. Some conglomeratic bands. Iron stained. Ferruginous deposition on some fracture surfaces.										
		59-0	67-0		100	Firm, dark grey, micaceous mudstone, broken throughout. Marine fossils 64-6 to 66±0.										
		67-0	68-6		65	Firm, pale fireclay with abundant plant debris. Crushed.										
		68-6	71-0		100	Firm, greenish, silty, micaceous mudstone.										
		71-0	72-9		100	Firm, grey, micaceous mudstone, broken.										
		72-9	74-3		100	Firm, slightly greenish, silty, micaceous mudstone. Fracture surfaces iron stained.										

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		74-3	84-0	H	100	Firm, grey, micaceous mudstone with scattered, infrequent plant debris and marine fossil debris 83-3 to 84-0. Some hard, thin, ironstone bands. Mudstone fragmented with some ferruginous staining on fracture surfaces.									
		84-0	84-6		100	Soft, black fireclay.									
		84-6	87-0		100	Firm, grey, micaceous, slightly silty mudstone with abundant plant debris.									
		87-0	88-0		100	Firm, weathered, iron stained, medium grained micaceous sandstone with some black carbonaceous plant debris, passing into									
		88-0	93-9		100	Hard, pale, fine grained sandstone with dark micaceous mudstone cross laminations and partings. Fractures (FA 15^{O}) iron stained or with traces of dolomite. Sandstone passes into									
		93-9	96-6		100	Firm, grey, micaceous mudstone with pale, fine grained sandstone cross laminations or thin bands.									
		96-6	97-0		100	Rather hard, pale, generally fine grained, micaceous sandstone, siltier towards the top.									

Project Weardale Hole No. 2 Sheet No. 2

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		97-0	105-9	H	100	Firm, dark grey, micaceous, very slightly pyritic mudstone, silty above 98-6. Marine fossil debris at 102-4 with scattered plant debris below. Mudstone broken, passing into									Verticality test at 100 ft. Inclination 62° Azimuth 343°
		105-9	106-6		100	Firm, black, carbonaceous mudstone with abundant plant debris and, at the base, pyritic with thin coal bands and partings.									
		106-6	110-3		100	Firm, grey fireclay with abundant plant debris. Broken.									
		110-3	112-0		100	Firm, dark grey mudstone with abundant calcareous marine fossil debris.									
		112-0	112-6		100	Hard, dark grey, argillaceous. Bioclastic limestone.									
		112-6	114-0		100	Firm, dark grey mudstone with abundant calcareous marine fossil debris, passing into									
		114-0	118-9		100	Firm, grey, crumbly, oolitic mudstone with scattered plant debris. Some shearing. Mudstone passes into									
		118-9	123-6		100	Hard, pale, partially silicified, micaceous sandstone with dark carbonaceous partings and plant									

Cont/..

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
						Debris toward the base. Fracture surfaces iron stained and lined with traces of quartz and pyrite.									
		123-6	125-3	H	100	Firm, grey, rather crumbly, oolitic mudstone, some shearing. Mudstone passes into									
		125-3	127-3		100	Rather hard, grey, micaceous, partially silicified siltstone with some dark, carbonaceous partings, passing into									
		127-3	127-9		100	Firm, grey, silty, micaceous mudstone, passing into									
		127-9	128-9		100	Rather hard, grey, micaceous siltstone.									
		128-9	129-3		100	Firm, grey, micaceous mudstone, crushed throughout.									
		129-3	131-9		100	Firm, dark grey, slightly pyritic, micaceous mudstone with dolomite septaria in thin ironstone bands. Broken throughout. Pyritic at the base with calcareous marine fossil debris.									
		131-9	132-9		100	Hard, dark grey, argillaceous, bioclastic limestone, partially limonitised along fracture surface (TA 35°) and in a small cavitous section.									

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		132-0	135-3	H + ND	60	Firm, dark grey, slightly pyritic, micaceous mudstone										
		135-3	136-9	ND	100	Hard, grey, argillaceous, bioclastic limestone, partially limonitised along near vertical fracture surface.										Grindstone Limestone.
		136-9	139-0	ND	100	Firm, dark grey, micaceous mudstone, broken with fracture surfaces iron stained.										
		139-0	141-6	ND	100	Hard, pale, silicified sandstone with dark, carbonaceous plant material. Broken, with fracture surfaces iron stained.										
		141-6	143-6		100	Firm, pale, silty, micaceous mudstone with some dark, carbonaceous plant debris, passing into										
		143-6	146-6		75	Hard, pale, fine grained, partially silicified sandstone with dark, carbonaceous plant material. Fractured with traces of dolomite and pyrite on near vertical fracture surfaces. Sandstone passes into										
		146-6	148-6		100	Hard, pale, micaceous siltstone with some dark, carbonaceous partings and coaly bands, passing into										

Project Yeardale Hole No. 2 Sheet No.

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		148-6	177-9	NQ	100	Hard, pale, generally fine grained, micaceous sandstone, some fracture surfaces (FA 0-40°) iron stained. Occasional dark, micaceous partings. Thin dolomite vein at 176-0.										
		177-9	178-3		100	Dark grey, micaceous mudstone band.										
		178-3	189-3		100	Hard, pale, generally fine to medium grained micaceous sandstone with occasional dark, micaceous partings. Fracture surfaces (FA 0-30°) iron stained. Fragmented 185-6 to 186-6.										
		189-3	190-3		100	Rather hard, dark grey, micaceous mudstone.										
		190-3	192-9		100	Hard, pale, generally medium to fine grained, micaceous sandstone with dark, micaceous partings. Fracture surfaces iron stained.										
		192-9	193-3		100	Firm, dark grey, micaceous mudstone band, some plant debris.										
		193-3	196-9		100	Hard, pale, generally medium to fine grained, micaceous sandstone with occasional dark micaceous partings.										
		196-9	197-3		100	Firm, dark grey, micaceous mudstone.										

Project Yeardale Hole No. 2 Sheet No. 6

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		196-9	197-3	[illegible]	100	Firm, dark grey, micaceous mudstone.										
		197-3	197-6		100	Hard, pale, fine grained, micaceous sandstone band.										
		197-6	198-9		100	Firm, grey, micaceous, silty mudstone										
		198-9	199-9		100	Hard, pale, fine grained, micaceous sandstone, fracture surface (FA 15°) lined with partially oxidised (limonitic) dolomite.										
		199-9	208-6		90	Firm, grey, micaceous. Slightly silty mudstone with occasional harder siltstone bands. Some thin dolomite veining.										Verticality test at 200 ft. Inclination 63° Azimuth 343°
		208-6	211-9		100	Hard, pale, fine grained, micaceous sandstone with occasional dark, micaceous partings or thin mudstone partings. Fractures (FA 30°) lined with dolomite and traces of pyrite.										
		211-9	212-6		100	Firm, dark grey, micaceous mudstone band.										
		212-6	213-0		100	Hard, pale, fine grained, micaceous sandstone.										
		213-0	213-3		100	Firm, dark grey, micaceous mudstone.										

Project Weardale Hole No. 2 Sheet No. 7

Project Hole No. Sheet No.

Graphic Log Scale	Depth From	Depth To	Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	Assay/Test Results %	%	%	%		REMARKS
	213-3	215-9	NQ	100	Hard, pale, fine grained, micaceous sandstone. Fractured, with dolomite on fracture surfaces.									
	215-9	224-6		100	Firm, dark grey, micaceous mudstone with some siltstone bands above 219-0. Scattered, infrequent plant debris. Mudstone passes into									
	224-6	228-3		100	Rather hard, dark grey, micaceous, calcareous mudstone with abundant calcareous marine fossil debris. Some limonitic deposition along near vertical fracture surface. Calcareous mudstone passes into									
	228-3	229-0		100	Hard, grey, argillaceous, bioclastic limestone.									
	229-0	232-9		100	Rather hard, dark grey, micaceous calcareous mudstone with abundant calcareous marine fossil debris and occasional thin, hard, argillaceous limestone bands. Mudstone passes into									
	232-9	233-3		100	Hard, grey, argillaceous, bioclastic limestone, passing into									
	233-3	235-9		100	Hard, grey, clean, bioclastic limestone with occasional slightly argillaceous bands. Some limonitic deposition on fracture surfaces.									Upper Fellton Limestone.

Project Weardale Hole No. 2 Sheet No. 2

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		235-9	237-9	[illegible]	100	Hard, pale, micaceous ganister, passing into										
		237-9	246-9		100	Hard, pale, fine grained, micaceous sandstone with occasional dark, micaceous partings. Iron staining along fracture surfaces. Sandstone passes into										
		246-9	248-3		100	Hard, pale, fine grained, micaceous sandstone with some thin, dark, micaceous mudstone bands, passing into										
		248-3	251-9		100	Hard, pale, fine grained, micaceous sandstone with dark, micaceous mudstone cross laminations, passing into										
		251-9	254-0		100	Dark grey, micaceous, silty mudstone with pale, fine grained sandstone cross laminations or thin bands. Infrequent plant debris, passing into										
		254-0	261-4		100	Firm, dark grey, micaceous mudstone with scattered plant debris.										
		261-4	261-6		100	Fragmented coal.										
		261-6	262-3		100	Firm, grey fireclay.										
		262-3	265-0		100	Firm, dark grey, micaceous mudstone										

into

Project Teardale Hole No. 2 Sheet No. 6

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		265-0	266-9	HQ	100	Firm, dark grey, micaceous mudstone with pale, fine grained sandstone laminations and bands. Siltier towards the base. Slump structures.									
		266-9	267-0		100	Firm, dark grey, micaceous mudstone.									
		267-0	319-0		100	Hard, pale, generally medium grained, micaceous sandstone with dark, micaceous partings above 285-0. Dolomite on fracture surface (FA 40°) at 273-6, calcite and pyrite (FA 0°) at 279-0, (FA 30°) at 283-6 and (FA 40°) at 286-0, dolomite (FA 0°) 293-0 to 297-3, quartz (FA 40°) at 299-6 and (FA 30°) at 309-0, dolomite (FA 110°) at 311-6. Some coaly partings and mudstone fragments at the base.									Verticality test at 300-0 Inclination 65° Azimuth 340°
		319-0	331-0		100	Firm, dark grey, micaceous, slightly silty mudstone with scattered, infrequent plant debris, passing into									
		331-0	331-6		100	Hard, pale, fine grained sandstone with dark, micaceous laminations.									
		331-6	332-9		100	Hard, pale, fine grained sandstone with a dark, micaceous mudstone band.									
		332-9	354-6		100	Firm, dark grey, micaceous mudstone with infrequent plant debris above 338-0 and marine fossil debris from 351-3 to 352-0. Some harder siltier bands.									

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		354-6	355-0	[illegible]	100	Firm, black, carbonaceous mudstone.									
		355-0	355-3		100	Fragmented coal.									
		355-3	355-9		100	Firm, black, carbonaceous mudstone with thin coal bands.									
		355-9	356-6		100	Hard, grey, silty micaceous mudstone with thin, dark, carbonaceous mudstone bands.									
		356-6	356-9		100	Firm, black carbonaceous mudstone with thin coal bands.									
		356-9	357-6		100	Hard, grey, silty, micaceous mudstone.									
		357-6	357-9		100	Firm, dark grey, micaceous mudstone with some plant debris.									
		357-9	358-9		100	Hard, grey, micaceous, silty mudstone with pale, fine grained sandstone bands.									
		358-9	359-3		100	Firm, grey, micaceous mudstone.									
		359-3	392-4		100	Hard, pale, generally coarse grained, micaceous, feldspathic sandstone with occasional dark, micaceous partings. Highly micaceous band at 371-6. Some mudstone partings at the top, occasional dark, carbonaceous or coaly partings. Dolomite on fracture (@ 30°) at 366-6, dolomite, quartz and talc (@ 0°)									

cont

Project Yeerdale Hole No. 2 Sheet No.

Project [illegible] Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
						From 370-6 to 372-0, sphalerite (FA 20°) at 378-0, quartz (FA 30°) at 382-6, quartz and pyrite (FA 10°) 385-6 to 387-0, sphalerite (FA 35°) at 388-0 and quartz (FA 15°) at 389-0.											Wedge set at 392-4. Verticality test at 400 ft. Inclination 69° Azimuth 338°
		389-0	418-6	NQ	100	Hard, pale, generally coarse grained, micaceous, feldspathic sandstone with occasional dark, micaceous, carbonaceous or coaly partings. Quartz on fracture (FA 30°) at 384-0, pyrite and quartz from 386-0 to 387-6, sphalerite (FA 35°) at 388-0, quartz and pyrite (FA 30°) at 390-6, quartz (FA 30°) at 391-0, 393-0 and 394-0, quartz and pyrite (FA 30°) at 398-0, quartz (FA 50°) at 404-6 and (FA 30°) at 406-0 and 407-0, quartz and calcite (FA 40°) at 409-0, quartz (FA 30°) at 409-9, 413-9 to 414-6.										
		418-6	427-6		100	Rather hard, dark grey, micaceous mudstone with scattered plant debris, passing into										
		427-6	439-6		100	Hard, pale, fine grained, micaceous sandstone with some bands of finer grained siltstone.										
		439-6	440-0		100	Dark grey, micaceous mudstone, some plant debris.										

Project Weardale Hole No. 2 Sheet No. 12

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		441-3	473-3	NQ	100	Hard, pale, generally coarse grained, micaceous, feldspathic sandstone with occasional dark, micaceous partings. Sphalerite on fracture (FA 25°) at 441-0, quartz (FA 30°) at 488-9, calcite and quartz (FA 20°) at 452-0 and 456-6, quartz and talc (FA 0°) at 461-3, quartz (FA 35°) at 465-6 and (FA 20°) at 471-6 and 472-9.									
		473-3	485-6		100	Firm, dark grey, micaceous mudstone with scattered plant debris above 485-0, more abundant below. Some shearing with pyrite and talc on shear surfaces. Some sections oolitic. Mudstone becomes black and carbonaceous towards the base with some coaly partings at 485-3.									
		485-6	487-6		100	Hard, pale, medium grained, micaceous sandstone with dark, micaceous partings, passing into									
		487-6	488-6		100	Firm, dark grey, micaceous mudstone with some plant debris and coaly partings.									
		488-6	491-6		100	Hard, pale, medium grained, micaceous sandstone with occasional dark, micaceous partings. Some black, carbonaceous plant debris at the top. Sandstone passes into									

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		491-0	491-9		100	Hard, rather dark siltstone with dark micaceous mustone bands, passing into										
		491-9	495-0		100	Firm, dark grey, micaceous mudstone with some harder, siltier bands some coaly partings. Scattered plant debris.										
		495-0	495-3		100	Hard, pale, fine grained sandstone with dolorite and quartz veining.										
		495-3	496-6		100	Firm, grey, micaceous, silty mudstone.										
		496-6	507-0		100	Hard, pale, generally coarse grained, micaceous, feldspathic sandstone with occasional dark micaceous, carbonaceous or coaly partings. Medium grained above 502-2, some sections conglomeratic. Witherite, dolomite, quartz and pyrite veining at the top and along fracture surface (FA 0°) from 498-3 to 499-3, witherite quartz, pyrite and calcite (FA 35°) at 508-9, dolomite calcite and pyrite (FA 30°) at 510-9, pyrite and dolomite (FA 30°) at 515-9, pyrite calcite and quartz (FA 15°) at 519-6, quartz witherite and pyrite (FA 20°) 522-0 to 523-0, quartz (FA 25°) at 524-0, dolomite, quartz and pyrite (FA 30°) at 529-0, quartz and calcite (FA 20°) at 540-3, quartz (FA 30° at 545-6, traces of pyrite at 554-3, dolomite and pyrite (FA 15°)										Verticality test at 500 ft. Inclination 71° Azimuth 345°

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
						at 578-0, traces of pyrite and quartz 578-6 to 579-6, calcite and pyrite (FA 30°) at 584-9, calcite, pyrite, dolomite and quartz (FA 5°) at 586-3, dolomite and witherite (FA 30°) at 587-6, calcite dolomite and pyrite (FA 10°) at 590-0.										
		597-0	598-0	NQ	100	Hard, dark grey, bioclastic limestone with styolites.										
		598-0	598-3		100	Firm, dark grey, micaceous, pyritic mudstone with calcareous, marine fossil debris.										
		598-3	600-3		100	Hard, dark grey, bioclastic limestone, passing into										Crag Limestone. Verticality test at 600 feet. Inclination 73° Azimuth 334°
		600-3	600-9		100	Firm, dark grey, calcareous, micaceous mudstone with hard, argillaceous limestone bands and abundant calcareous, marine fossil debris, passing into										
		600-9	601-3		100	Hard, dark grey, argillaceous, bioclastic limestone, passing into										
		601-3	602-3		100	Firm, dark grey, calcareous micaceous mudstone with abundant calcareous marine fossil debris, passing into										

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		[illegible]	[illegible]		100	Hard, pale, generally fine grained micaceous ganister with vertical plant rootlets in situ, passing into										
		[illegible]	620-9		100	Hard, pale, fine grained, partially silicified, micaceous sandstone with occasional dark, micaceous partings. Traces of pyrite on fracture (FA 15°) at 606-6, quartz and pyrite (FA 20°) at 607-6 and 610-6, dolomite and galena (FA 10°) at 612-9. Sandstone passes into										
		620-9	621-3		100	Hard, pale, micaceous siltstone with dark, micaceous mudstone laminations and partings, passing into										
		621-3	624-3		100	Rather hard, grey, silty micaceous mudstone with hard, pale, siltstone laminations and thin bands scattered plant debris. Silty mudstone passes into										
		624-3	625-6		100	Rather hard, grey, micaceous siltstone with darker silty mudstone laminations. Some thin bands of marine fossil debris. Siltstone passes into										
		625-6	627-3		100	Rather hard, grey, micaceous silty mudstone with scattered marine fossil debris and some thin bands of calcareous fossil debris. Traces										

Project [illegible]dale Hole No. 2 Sheet No. 15

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
						of pyrite on vertical fractures. Silty mudstone passes into										
		627-3	628-0	NO	100	Hard, pale, fine grained, micaceous sandstone. Slump structures against overlying silty mudstone.										
		628-0	728-6		100	Firm, dark grey micaceous mudstone passing into										
		628-6	629-0		100	Rather hard, grey, silty micaceous mudstone, passing into										
		629-0	629-6		100	Firm, dark grey, micaceous mudstone Abundant calcareous marine fossil debris at the base.										
		629-6	629-9		100	Rather hard, grey, silty micaceous mudstone, passing into										
		629-9	630-3		100	Hard, pale, micaceous siltstone with abundant calcareous marine fossil debris, passing into										
		630-3	631-6		100	Rather hard, grey, silty micaceous mudstone with abundant calcareous fossil debris.										
		631-6	633-6		100	Hard, pale, generally medium grained micaceous sandstone with abundant dark, carbonaceous plant material at the top.										

Project Heardale Hole No. 2 Sheet No. 1

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		633-6	634-9		100	Firm, dark grey, micaceous mudstone, scattered plant debris.										
		634-9	647-6		100	Hard, pale, partially siliciated, medium grained, micaceous sandstone with occasional micaceous partings. Quartz and pyrite on fracture (FA 30°) at 636-3, calcite and quartz (FA 30°) at 641-3, pyrite and quartz at 643-6.										
		647-6	657-0		100	Firm, dark grey, pyritic micaceous mudstone with scattered marine fossil debris particularly above 651-6.										
		657-0	667-6		100	Hard, generally medium grained, partially silicified sandstone with scattered calcareous, marine fossil debris, occasional dark micaceous partings.										
		667-6	707-3		100	Firm, dark grey micaceous occasionally pyritic mudstone with paler, silty mudstone bands. Scattered marine fossil debris in the upper half and at the base, with plant debris in the lower half. Some dolomite and calcite veining from 674-0 to 676-3.										Verticality test at 700 ft. Inclination 75° Azimuth 343°
		707-3	708-3		100	Rather hard, grey oolitic, ferruginous mudstone with abundant calcareous marine fossil debris, passing into										

Project Wardale Hole No. 2 Sheet No. 17

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		703-3	710-0	[illegible]	100	Hard, pale, medium grained ganister with abundant dark, carbonaceous plant material at the top, some thin dolomite veining.										
		710-0	720-6		95	Firm, dark grey micaceous occasionally pyrite mudstone with scattered infrequent marine fossil debris passing into										
		720-6	721-3		100	Firm, dark grey, dense, ferruginous oolitic, sparsely pyritic mudstone with abundant marine fossil debris.										
		721-3	737-6		100	Hard, pale, fine grained partially silicified sandstone with occasional dark, micaceous or carbonaceous partings, some dark carbonaceous plant material at the top scattered calcareous, marine fossil debris. Fracture surface (FA 20°) lined with quartz at 721-9, quartz and calcite (FA 30°) at 730-9.										
		737-6	760-3		100	Firm, dark grey micaceous mudstone scattered, infrequent plant debris some shearing at the base.										
		760-3	761-0		100	Rather hard, dense ferruginous dark grey mudstone with abundant marine fossil debris.										

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		761-0	768-0		100	Hard, greenish, fragmented cavitous extensively mineralised, bioclastic limestone. Replacement mineralisation of dolomite, calcite, galena, fluorite spualerite and pyrite. Replacement most developed from 761-0 to 766-0.										Little Limestone
		768-0	784-3		85	Firm, but friable, grey micaceous silty mudstone and siltstone breccia. Extensively brecciated and at the tope invaded with dolomite veins with subsidiary calcite, fluorite, pyrite and galena mineralisation. Fragmented throughout with numerous harder siltstone fragments. Siltstone sometimes faulted against mudstone breccia.										Fault zone, Boltsburn vein.
		784-3	788-3		100	Hard, pale, fine grained micaceous sandstone with occasional dark, micaceous partings fragmented from 784-3 to 786-3 with some sections faulted against mudstone breccia. Some thin quartz and dolomite veining.										
		788-3	789-0		100	Firm, grey, silty micaceous mudstone.										
		789-0	793-0		100	Hard pale, fine grained, micaceous sandstone with occasional dark micaceous or carbonaceous partings some thin dolomite veining.										

Project Weardale Hole No. 2 Sheet No. 1?

Project Hole No. Sheet No.

Graphic Log Scale	Depth From	Depth To	Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	Assay/Test Results %	%	%	%		REMARKS
	793-3	817-1	12	100	Firm, dark grey, micaceous, rather broken mudstone with a few hard, pale siltstone bands at the top scattered infrequent plant debris some shearing, base highly pyritic.									Verticality test at 800 ft. Inclination 75° Azimuth 235°
	817-0	818-9		100	Coal, hard and bright pyritic in parts.									
	818-9	818-9		100	Firm, grey mudstone.									
	818-9	821-0		100	Hard grey, bioclastic limestone with an argillaceous band towards the top passing into									
	821-0	822-0		100	Hard, grey, rather argillaceous limestone with dark, thin mudstone bands, passing into									
	822-0	823-6		100	Hard grey bioclastic limestone, passing into									PART OF GREAT LIMESTONE
	823-6	824-0		100	Dark grey, calcareous mudstone with abundant calcareous marine fossil debris, passing into									
	824-0	828-3		100	Hard, grey bioclastic limestone, argillaceous at the base, passing into									
	828-3	828-6		100	Firm, dark grey calcareous mudstone with abundant calcareous marine fossil debris, passing into									

Project Weardale Hole No. 2 Sheet No. 20

Project Hole No. Sheet No.

Graphic Log	Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale	From	To					From	To	Pb %	Zn %	%	%		
	[illegible]	[illegible]	[illegible]	100	Hard, grey, clean, bioclastic limestone, passing into									)
	830-9	832-0		100	Firm, dark grey, mudstone with abundant calcareous marine fossil debris, passing into									)
	832-0	833-0		100	Hard, grey, clean, bioclastic limestone with styolites, passing into									)
	833-0	834-9		100	Firm, dark grey mudstone with abundant calcareous marine fossil debris.									)
	834-0	837-6		100	Hard, broken, slightly greenish, mineralised, bioclastic limestone. Galena and fluorite as cavity infilling and encrustation, thin veins and replacement mineralisation. Limestone passes into	2/21	835-0	839-0						) Part of Great Limestone.
	837-6	837-9		100	Firm, dark grey mudstone with some calcareous marine fossil debris.									)
	837-9	839-9		100	Hard, fragmented, slightly greenish mineralised bioclastic limestone. Galena, fluorite and dolomite as thin veins, lining fractures and as replacement mineralisation.									)
	839-9	839-9		100	Fragmented vein of dolomite, fluorite and quartz with traces of galena.									)

Project Weardale Hole No. 2 Sheet No. 21

Project Hole No. - Sheet No.

Graphic Log Scale	Depth From	Depth To	Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	Assay/Test Results %	%	%	%		REMARKS
	839-0	844-6	[illegible]	90	Hard, fragmented, slightly greenish, mineralised, bioclastic limestone galena, dolomite, fluorite and quartz as thin veins, cavity encrustation, fracture lining and replacement mineralisation.	2/02 2/03	839-0 842-0	842-0 844-9						)
	844-6	844-9		100	Vein of galena, fluorite, dolomite and quartz.									)
	844-9	850-0		100	Hard, greenish, mineralised, bioclastic limestone. Galena, dolomite, fluorite, quartz and sphalerite as replacement mineralisation, cavity infilling and encrustation, thin veins and fracture linings.	2/04	844-9	850-0						)Part of Great)Limestone.
	850-0	858-6		100	Hard, grey, mineralised, coral limestone. Galena, dolomite, fluorite and quartz (including chalcedony) as replacement mineralisation, cavity encrustations, thin veins and fracture linings. Mineralisation most strongly developed at the top.	2/05 2/06	850-0 852-9	852-9 858-0						)
	858-6	863-6		100	Hard, dark, weakly calcareous limestone, cavitous in parts, with occasional dark, carbonaceous partings. Sparsely mineralised with galena and fluorite as cavity encrustations. Dark limestone passes into									)

Project Weardale Hole No. 2 Sheet No. 22

Project Hole No. Sheet No.

Graphic Log Scale	Depth From	Depth To	Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	Assay/Test Results Pb %	Zn %	%	%		REMARKS
	863-6	872-0	NQ	100	Hard, grey, bioclastic limestone with some styolites. Thin vein of dolomite, quartz and calcite (PA 0°) from 864-0 to 871-0									
	872-0	879-0		100	Rather dark, hard, fragmented, bioclastic, cavitous, mineralised limestone. Cavities thickly lined with quartz and chalcedony mineralisation as well as small amounts of dolomite. Some galena on fracture surfaces.									
	879-0	883-3		100	Hard, grey, bioclastic limestone with styolites.									Part of Great Limestone.
	883-3	884-6		100	Hard, dark grey, mineralised limestone with galena and sphalerite as replacement mineralisation and quartz and fluorite as thin veins, or encrustations along partings.									
	884-6	885-6		100	Hard, dark grey, cavitous limestone.									
	885-6	890-3		100	Hard, grey, bioclastic limestone with styolites. Pyritic at the base.									
	890-3	891-9		100	Firm, grey, micaceous, pyritic mudstone with calcareous debris at the top.									
	891-9	892-6		100	Hard, pale, fine grained, micaceous sandstone.									

Project Weardale Hole No. 2 Sheet No. 23

Project Hole No. Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		892-6	893-3	NO	100	Hard, pale siltstone with dark mudstone laminations and bands, passing into										
		893-3	896-0		100	Firm, dark grey, micaceous mudstone with some thin, hard siltstone bands. Scattered, infrequent plant debris.										
		896-0	897-0		100	Hard, pale, micaceous sandstone with some dark, carbonaceous material at the top.										

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		892-6	893-3	[illegible]	100	Hard, pale siltstone with dark mudstone laminations and bands, passing into										
		893-3	896-0		100	Firm, dark grey, micaceous mudstone with some thin, hard siltstone bands. Scattered, infrequent plant debris.										
		896-0	897-0		100	Hard, pale, micaceous sandstone with some dark, carbonaceous material at the top.										

Project Hole No. Sheet No.

MACKAY & SCHNELLMANN LTD

CLIENT: ACMIN EXPLORATION (U.K.) LIMITED PROJECT: WEARDALE

Co-ordinates: 3963162 544695N Elevation: 1533 ft. Inclination: 73°-78° Drill: BBS 20 Geologist: Ron Shaw & Neil Scott Date Started: 24.2.73 Hole No. 2a

Bearing: Final Depth: 887-3 Drillers: Mick Brown & Charles Reily Date Stopped: Sheet No. 1

Graphic Log Scale	Depth From	Depth To	Bit Size/Type	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	%	%	%	%	REMARKS
	0	552-6	NQ		See borehole No.2 base of wedge set at 565-0								
	552-6	596-3		95	Hard, pale, generally coarse grained, micaceous, feldspathic sandstone with occasional dark micaceous, carbonaceous or coaly partings. Dolomite, calcite and quartz on fracture from 578-3 to 579-3. Fracture angle to core axis (FA) 0°. Traces of pyrite (FA 50°) at 579-6, witherite, dolomite and pyrite (FA20°) at 581-3 and 582-3, dolomite, witherite, quartz and pyrite (FA15°) at 583-6 and 586-6 to 588-0, pyrite and calcite (FA20°) from 590-3 to 593-0, dolomite and pyrite (FA10°) at 595-3.								
	596-3	597-0		65	Brown, friable, broken mudstone.								
	597-0	598-6		65	Black, carbonaceous mudstone sweared, friable and broken.								

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		598-6	599-0	NQ	100	Hard, grey, bioclastic limestone									)
		599-0	599-3		100	Firm, dark grey, calcareous mudstone.									)
		599-3	601-0		100	Hard, grey, bioclastic limestone									)
		601-0	601-3		100	Firm, dark grey calcareous mudstone.									) Crag Limestone
		601-3	602-3		100	Hard, grey, bioclastic limestone argillaceous and with dark mud stone bands at the top and the base.									)
		602-3	603-0		100	Firm, dark grey, micaceous calcareous mudstone with abundant calcareous, marine fossil debris.									
		603-0	606-9		100	Hard, pale, fine grained ganister, silicified at the top.									
		606-9	617-6		100	Hard, generally medium grained partially silicified, micaceous sandstone with occasional mic-aceous partings. Some thin dolomite veining from 608-0 to 609-3 and quartz and dolomite veining from 612-3 to 613-0. Vein of dolerite half inch thick from 616-0 to 616-9 sandstone passes into									Verticality test at 615-0 Inclination 73° Azimuth 343°

Project [illegible] Hole No. 2a Sheet No. 2

Graphic Log	Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale	From	To					From	To	%	%	%	%		
	617-6	618-0		100	Hard, pale siltstone with silty micaceous mudstone bands, passing into									
	618-0	618-6		100	Hard pale, fine grained micaceous sandstone with dark micaceous partings.									
	618-6	619-3		100	Hard pale, fine grained sandstone with dark, micaceous partings, and at the tope and and the base. Thin, dark silty mudstone bands.									
	619-3	620-3		100	Hard, pale, fine grained sandstone with dark micaceous partings.									
	620-3	623-6		100	Firm, grey silty micaceous mudstone with some harder thin pale siltstone bands scattered infrequent plant debris. Some coaly partings silty mudstone passes into									
	623-6	624-3		100	Hard, pale, fine grained sandstone with dark micaceous partings and at the base a thin band of calcareous marine fossil debris. Sandstone passes into									
	624-3	627-0		100	Firm, grey, silty, micaceous mudstone with pale siltstone bands and several bands of									

Project

Hole No. 2a

Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
				[illegible]		calcareous, marine fossil debris.										
		627-9	628-0		100	Firm, dark grey micaceous mudstone.										
		628-0	631-0		100	Firm, grey, silty micaceous mudstone with pale siltstone laminations and bands and some dark mudstone bands. Several bands of calcareous marine fossil debris.										
		631-0	633-0		100	Hard, pale, generally medium grained sandstone with dark, carbonaceous or micaceous partings and abundant dark, carbonaceous plant material at the top.										
		633-0	634-3		100	Firm, dark grey micaceous mudstone.										
		634-3	646-3		100	Hard, pale, generally medium grained, partially silicified micaceous sandstone with occasional dark, micaceous partings. Some dark carbonaceous plant material at the top fracture (230°) lined with quartz and pyrite from 634-3 to 635-3. Sandstone becomes finer grained and passes into										

Project [illegible] Hole No. 2a Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale		From	To					From	To	%	%	%	%		
		644-3	648-3	M2	100	Hard, pale, fine grained sandstone with thin, dark micaceous mudstone bands.									
		648-6	656-6		100	Firm, dark grey, occasionally pyritic, micaceous mudstone with some harder, paler silty mudstone sections at the top scattered marine fossil debris. Some poorly developed pyritic ironstone nodules and bands.									
		656-6	666-0		100	Hard, pale, medium grained sandstone with occasional dark micaceous or carbonaceous partings. Scattered calcareous marine fossil debris.									
		666-0	669-3		100	Firm dark grey micaceous mudstone									Wedge set at 669-3
		661-6	655-6		100	Firm, dark grey micaceous mudstone									
		655-6	666-0		100	Hard, pale generally medium grained sandstone with occasional dark micaceous or carbonaceous partings, scattered infrequent marine fossil debris.									

Project Hole No. 2a Sheet No.

Graphic Log Scale	Depth From	Depth To	Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth From	Depth To	Assay/Test Results %	%	%	%		REMARKS
	[illegible]	672-3	[illegible]	100	Rather hard, grey silty micaceous mudstone with some paler siltstone laminations or bands scattered marine fossil debris silty mudstone passes into									Verticality test at 670-0 Inclination 75° Azimuth 329°
	672-9	673-6		100	Hard, pale, micaceous siltstone passing into									
	673-6	706-0		95	Firm, dark grey micaceous occasionally pyritic mudstone rather silty in the upper half scattered infrequent plant debris above 695-0 and marine fossil debris at the base.									
	706-0	707-0		100	Hard, dark, dense ferruginous oolitic mudstone with some marine fossil debris passing into									
	707-0	708-6		100	Hard, pale medium grained partially silicified ganister with occasional dark carbonaceous or micaceous partings abundant plant material at the top. Some thin dolomite veining.									
	708-6	717-6		100	Firm, dark grey micaceous mudstone with scattered infrequent marine fossil debris. Ironstone band at 714-6.									

Project [illegible]DALE Hole No. 2a Sheet No.

Graphic Log	Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale	From	To					From	To	%	%	%	%		
	717-6	718-6	N1	100	Firm, dark, dense ferruginous oolitic mudstone with abundant marine fossil debris									
	718-6	735-3		100	Hard, pale, generally fine grained partially silicified sand stone with occasional dark micaceous or mudstone partings scattered marine fossil debris. Some dark, carbonaceous plant material at the top. Some thin dolomite and siderite veining.									Verticality test at 727 ft. Inclination 77° Azimuth 344°
	735-3	755-3		100	Firm, dark grey micaceous mud-stone. Scattered infrequent plant debris. Fossiliferous at 749-0.									
	755-3	761-0		100	Mudstone, coaly shale bands for last 0-6									
	761-0	762-0		100	Fossiliferous mudstone									
	762-0	763-0		100	Hard mudstone, slightly limey									
	763-0	770-6		100	Limestone									Little Limestone
	770-6	771-0		100	Mudstone									
	771-0	771-2		100	Thin coal band									
	771-2	776-0		100	Mudstone, probably fault in this section but very poor									

Project [illegible] Hole No. 2a Sheet No.

Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		771-2 (Contd)	775-0		100	Brecciation, not as much as on previous hole (hole no.2)										
		775-0	795-0		100	Sandstone with some thin mudstone bands as at 778-4 - 778-8 780-0 to 780-3 and at 780-4. small minor faults in sandstone with slight zinc sulphide mineralisation. More minor faulting in sandstone at 790-0 to 791-0.										
		795-0	816-0		100	Mudstone, slight zinc sulphide mineralisation on fracture at 801-3.										
		816-0	816-9		100	Coal highly sheared										
		816-9	818-0		100	Limey mudstone, moderately sheared, fossiliferous										
		818-0	822-0		100	Limemudstone, fossiliferous slight shearing										Verticality test at 820 ft. Inclination 78° Axiruth 352°
		822-0	827-0		100	Fossiliferous limestone, two half inch fluorite veins cross core at 823-6 and 823-8.										
		827-0	828-6		100	Limestone, slight veining with fluorite, quartz and zinc sulphide from 827-3 - 828-0	3/01		827-0	828-6						Part of Great Lime stone
		828-6	831-0		100	Fossiliferous shaley limestone minor zinco sulphide at 830-3										

Project Hole No. 2a Sheet No.

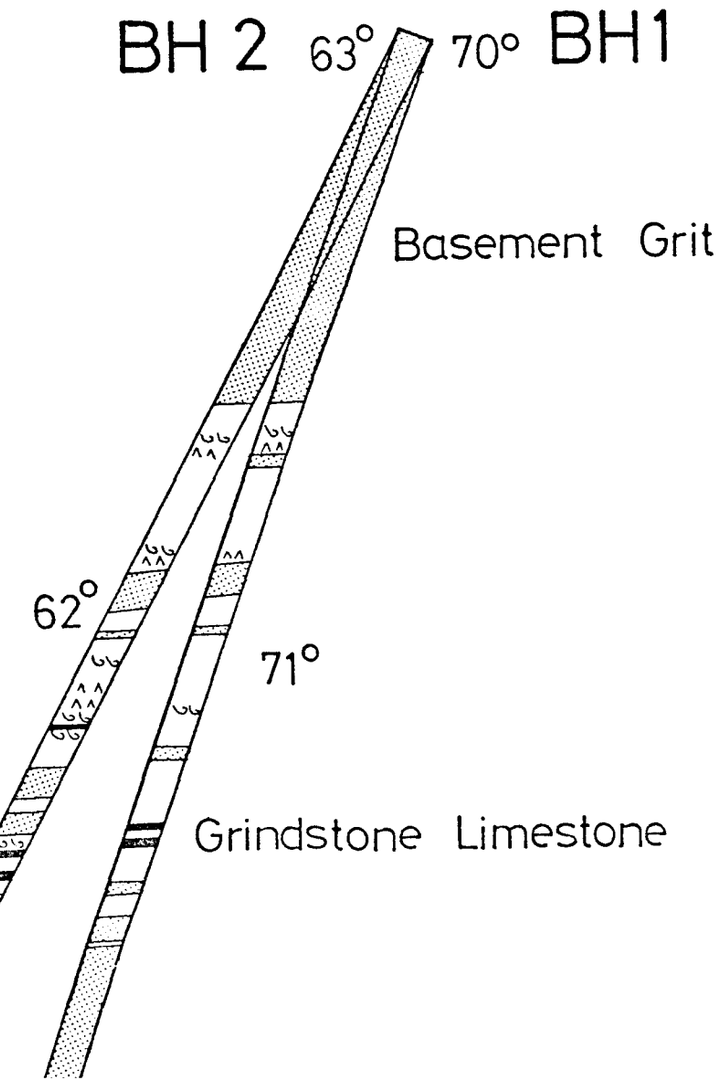
Graphic Log	Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type	Depth		Assay/Test Results					REMARKS
Scale	From	To					From	To	%	%	%	%		
	831-0	833-0		100	Limestone									
	833-0	833-6		100	Shaley limestone with large blobs up to ½inch in diameter of zinc sulphide.									Part of Great Limestone
	833-6	835-0		100	Limestone with weak zince sulphide mineralisation	3/02	833-0	835-6						
	835-0	835-6		100	black, shaley limestone									
	835-6	840-6		100	Limestone, weak lead sulphide mineralisation	3/03	835-6	840-6						
	840-6	848-0		100	Limestone, moderate lead sulphide mineralisation	3/04	840-6	845-6						
	848-0	854-6		100	Coralline limestone, weak lead sulphide mineralisation, also some quartz and fluorite.	3/05 3/06 3/07	845-6 850-0 852-6	850-0 852-6 855-0						
	854-6	858-0		100	Limestone minor lead sulphide mineralisation	3/08	855-0	858-0						
	858-0	859-0		100	Quartz, fluorite, galena mineralisation in limestone									
	859-0	860-0		100	Quartz, fluorite vein with minor galena	3/09	858-0	860-0						
	860-0	865-5		100	Weakly lead sulphide mineralised fossiliferous limestone with some dolomite veining. Few specks of chalcopyrite at 861-0	3/10	860-6	865-6						

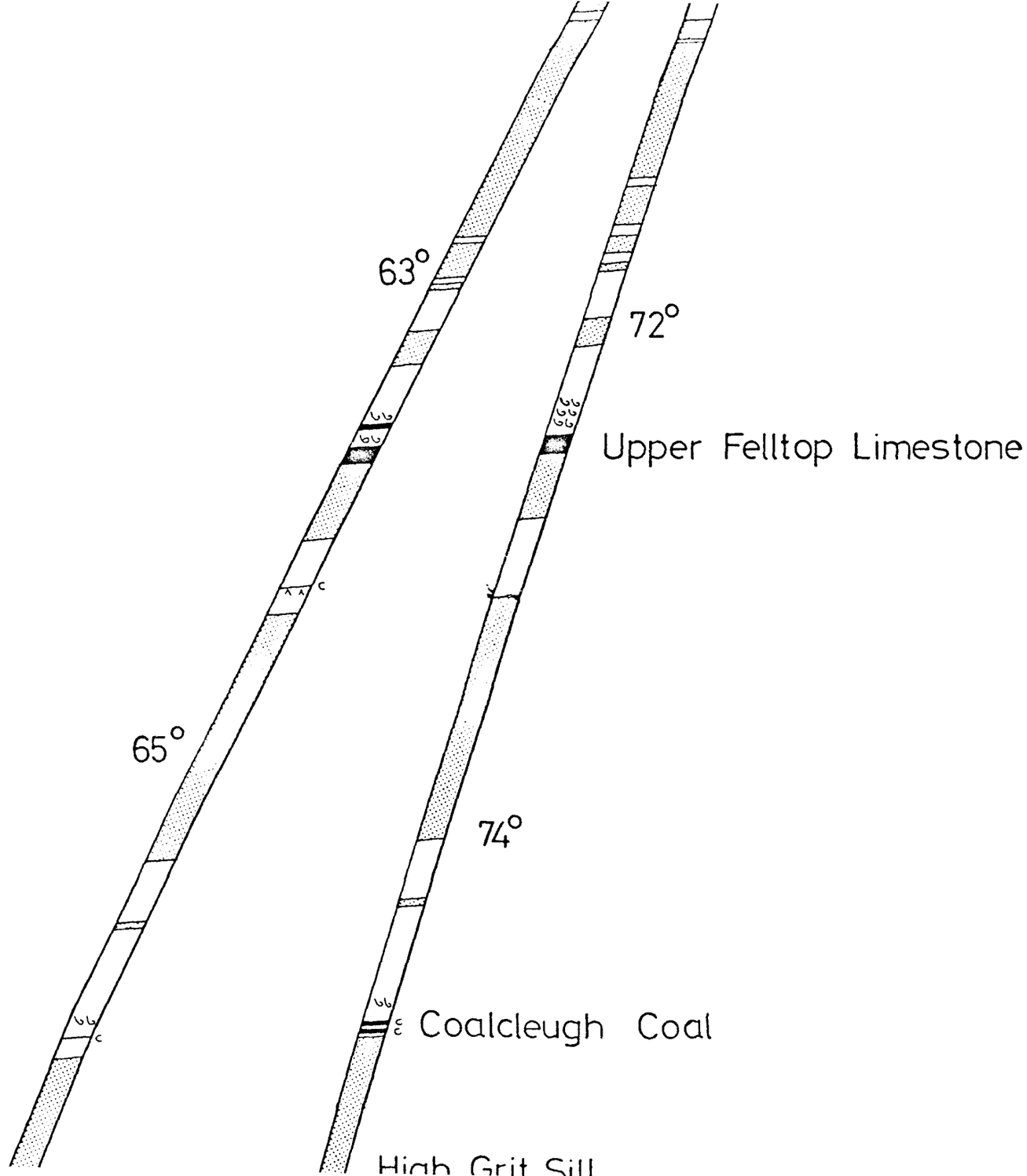
Project MENDIPS Hole No. 2a Sheet No.

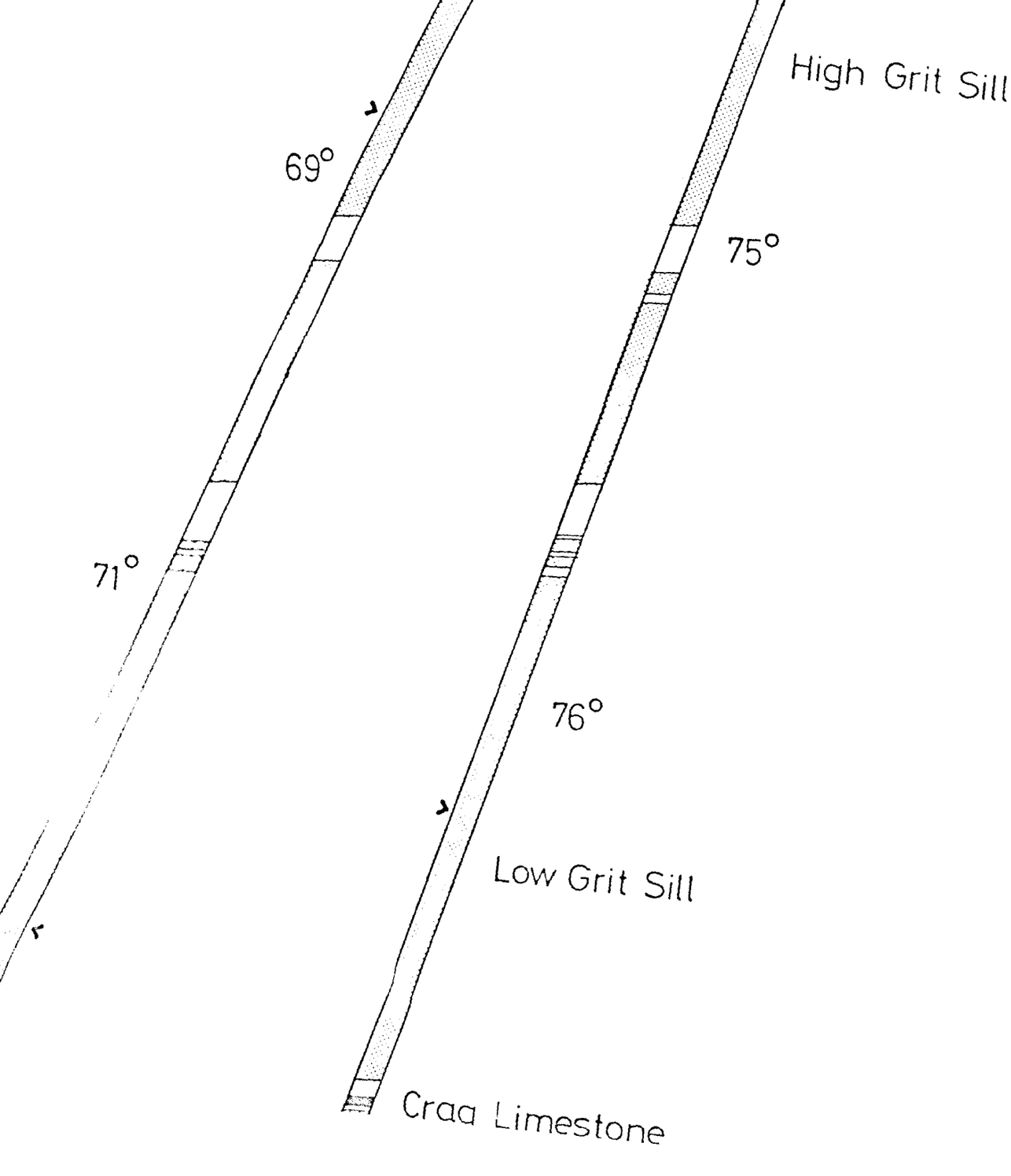
Graphic Log		Depth		Bit No.	Recovery %	DESCRIPTION	Sample Number and Type		Depth		Assay/Test Results					REMARKS
Scale		From	To						From	To	%	%	%	%		
		865-[illegible]	[illegible]3-7	[illegible]	100	Galena, quartz vein										
		883-7	889-3		100	Limestone, weak lead sulphide mineralisation	3/11		865-6	869-9						
		869-8	871-3		100	Vuggy limestone with lead sulphide, quartz and dolomite veining	3/12		869-6	871-6						PART
		871-8	877-3		100	Chert with some quartz and dolomite veining weak lead sulphide	3/13		871-6	877-0						OF GREAT
		877-3	878-0		100	Vein at 30° to core. Two inch Pbs one inch dolomite six inches quartz. dolomite and a few chert fragments in breccia	3/14		877-0	878-3						
		878-0	878-6		100	Sheared, shaley, cherty limestone										LIMESTONE
		878-6	887-3		100	Fossiliferous limestone, vuggy quartz vein at 880-6 to 880-9 shearing and brecciation 883-3 to 883-8 very weak zinc sulphide mineralisation at 883-9 to 883-11										

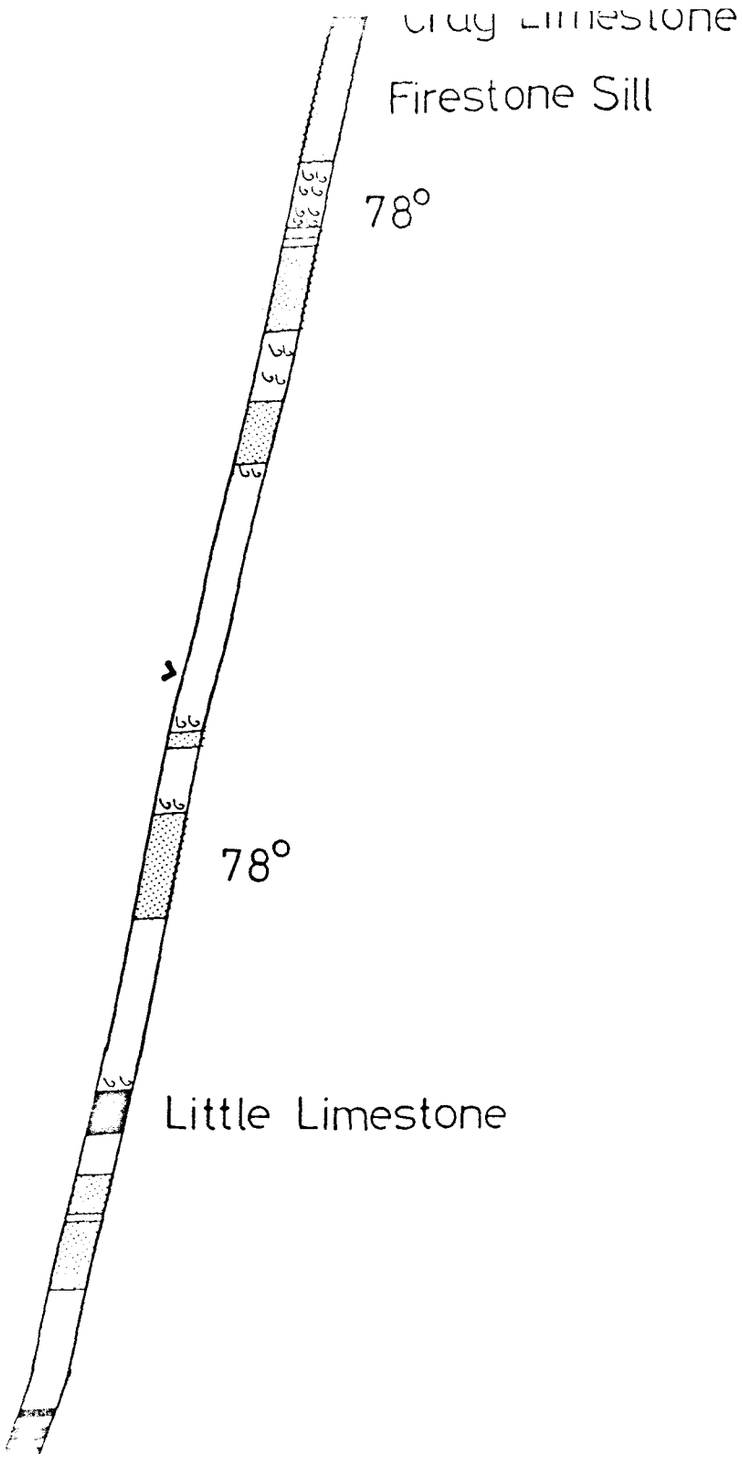
Project Hole No. 2a Sheet No.

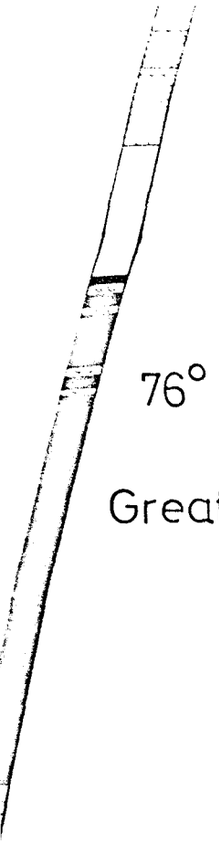
of Boreholes BH1, BH2, BH3




63°
72°
Upper Felltop Limestone
65°
74°
Coalcleugh Coal
High Grit Sill


High Grit Sill
69°
75°
71°
76°
Low Grit Sill
Craa Limestone


Firestone Sill
78°
78°
Little Limestone



76°

Great Limestone

Iron Post Limestone

Quarry Hazle

7°

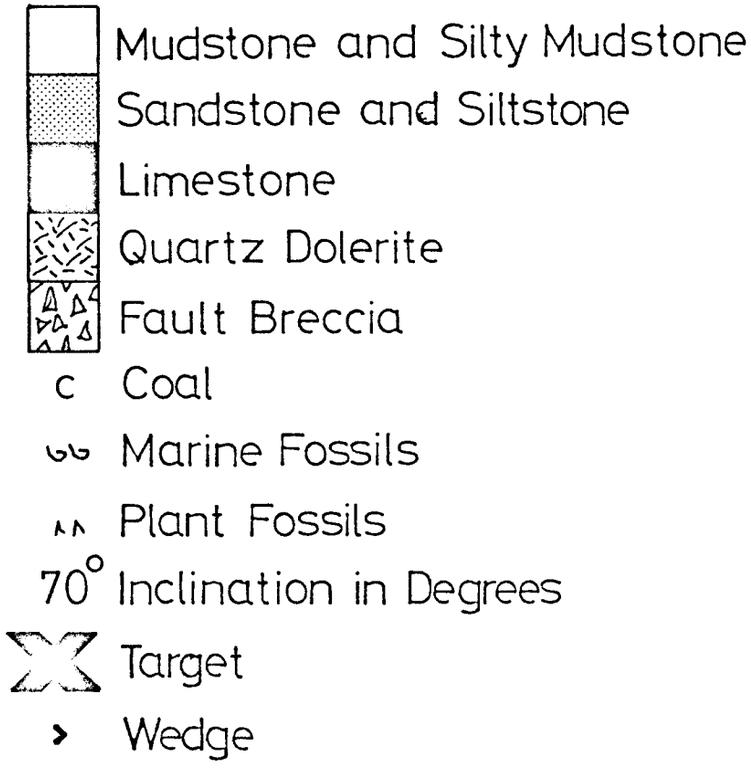
Fathom Limestone

Fathom Limestone

hin Sill

Gill Hazle

Boltsburn Vein
imestone



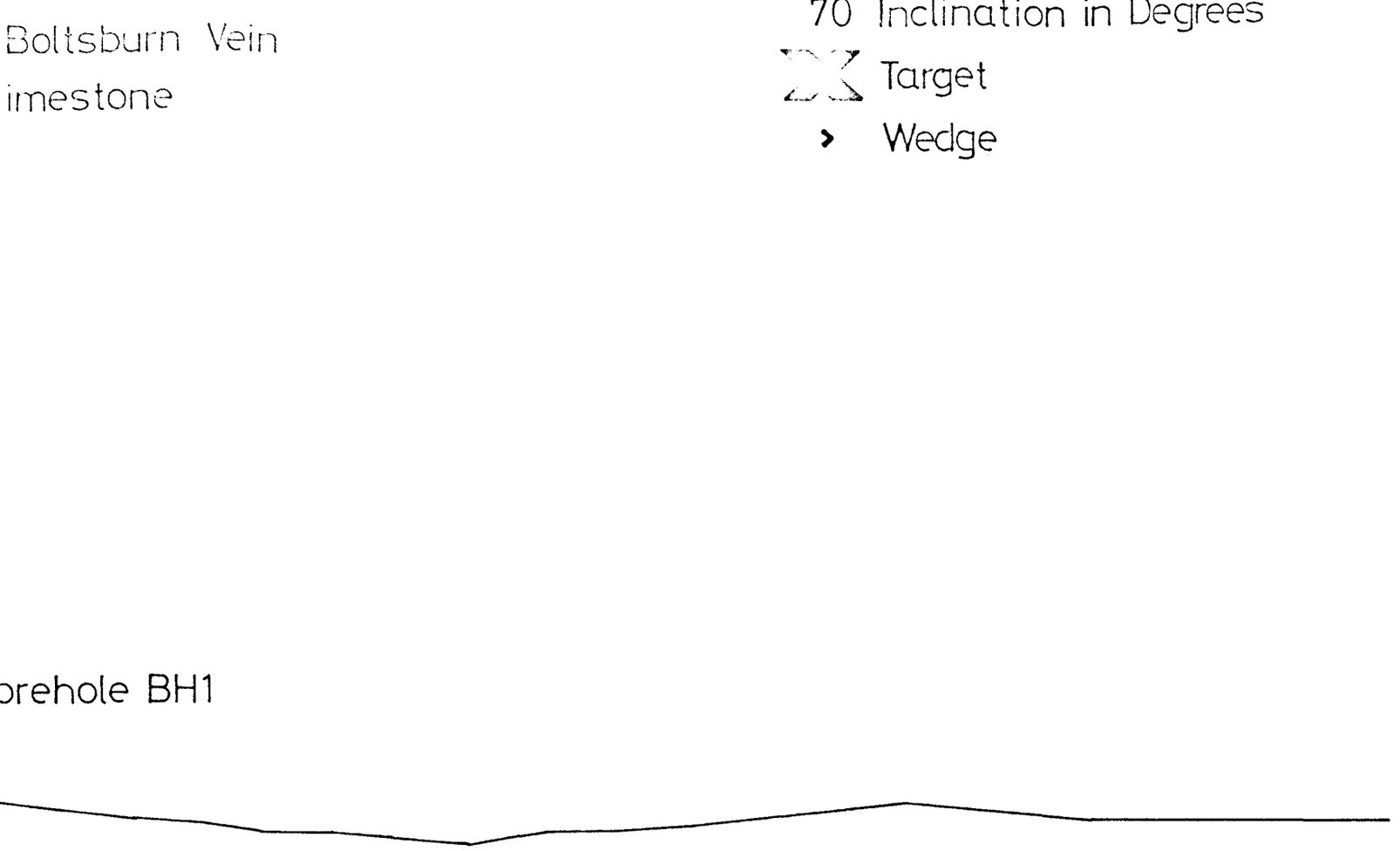
Boltsburn Vein

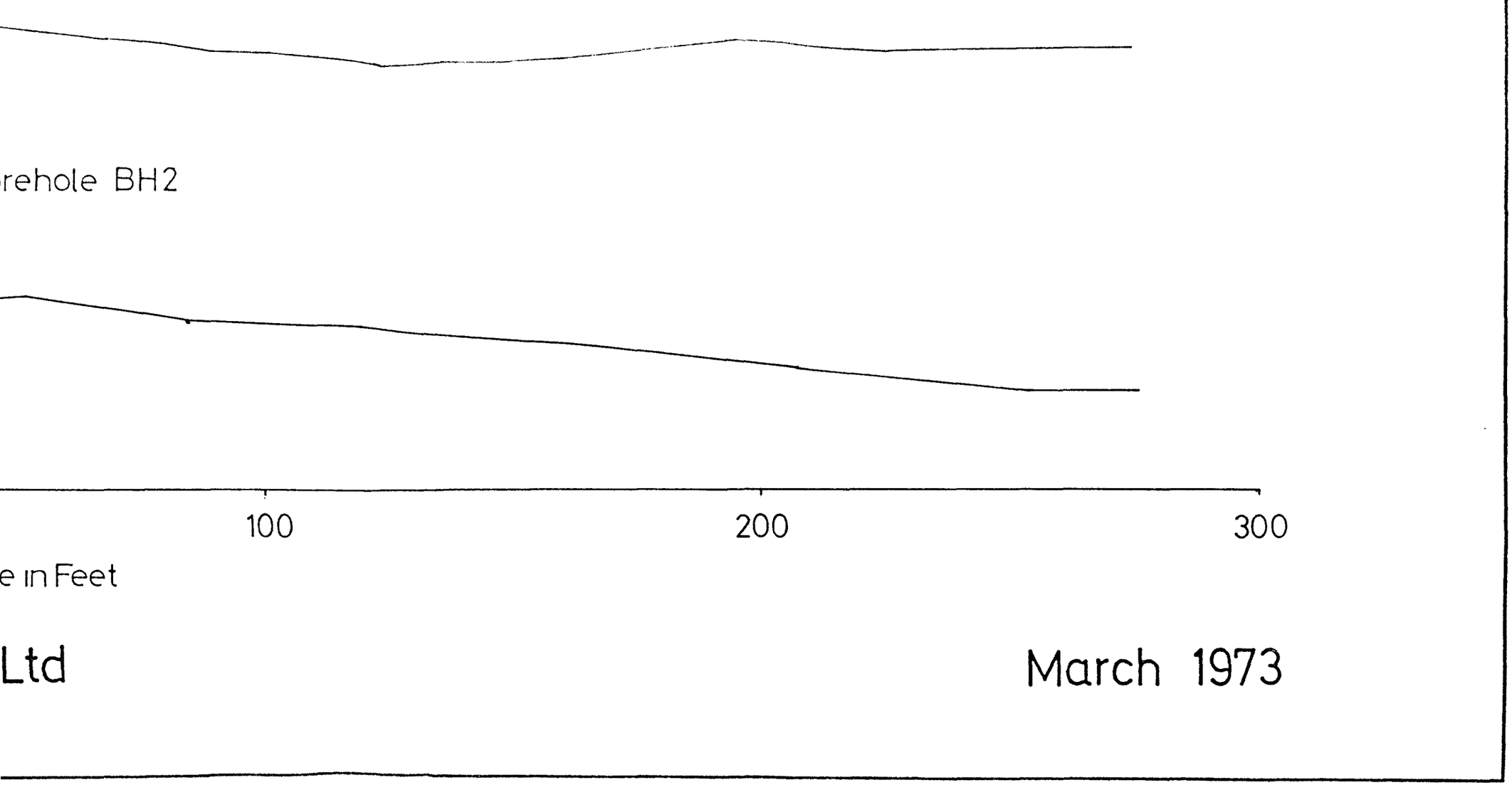
imestone

70 Inclination in Degrees

Target

Wedge



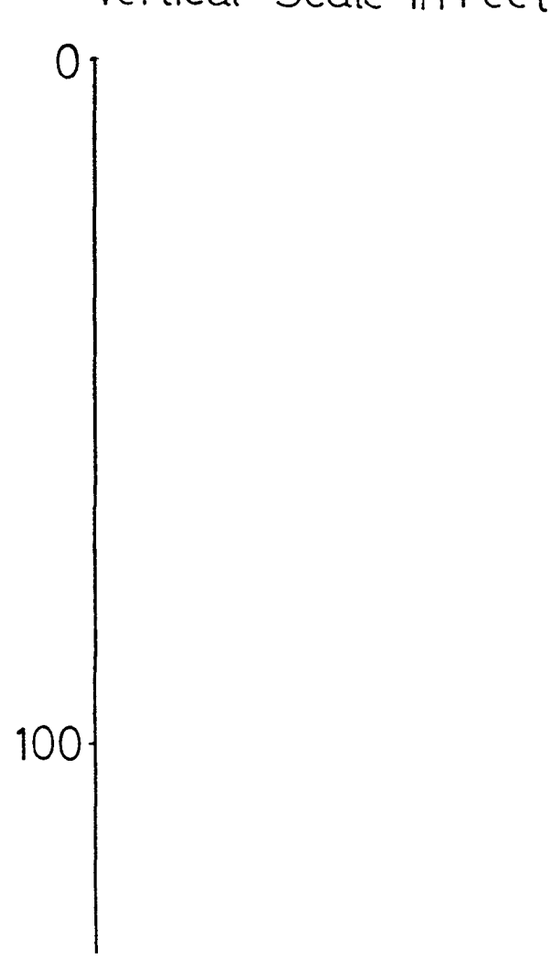


Ltd

March 1973

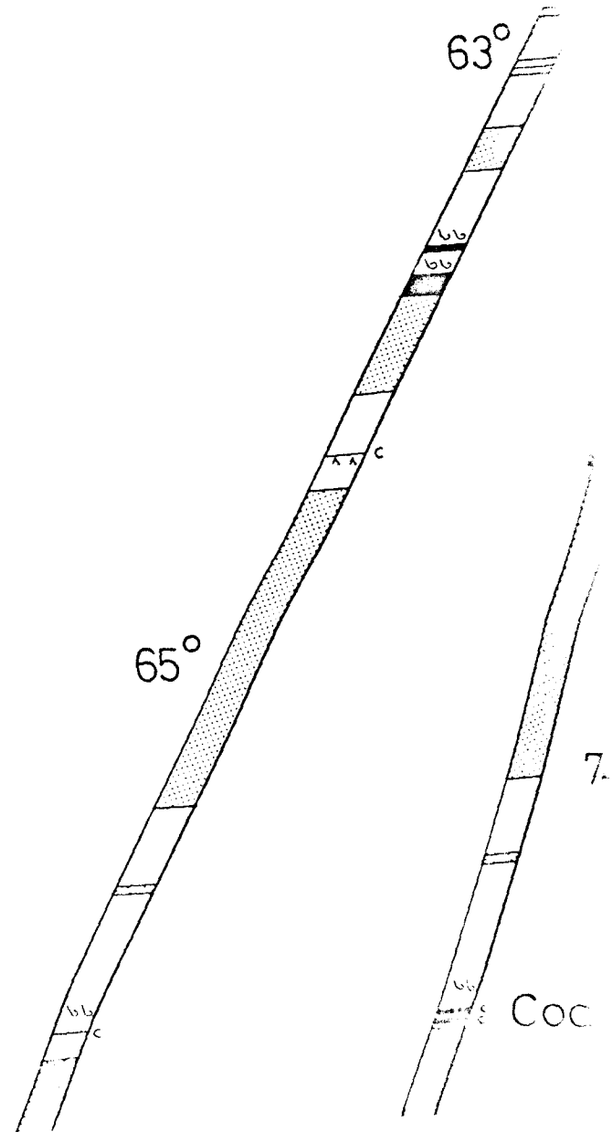
Simplified Graphic Log of Boreholes BH1, BH2, BH3

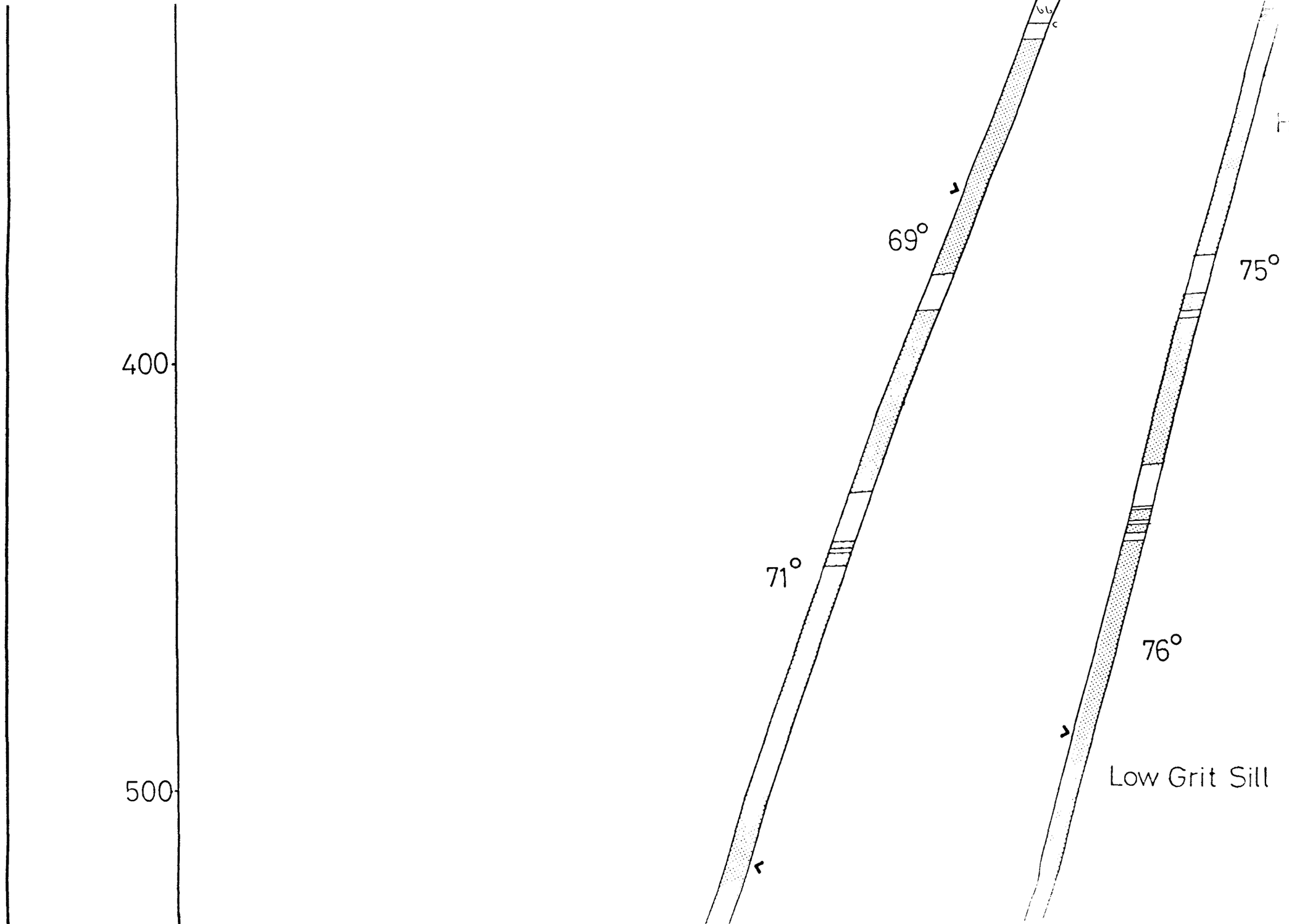
Acmin Exploration (UK) Ltd

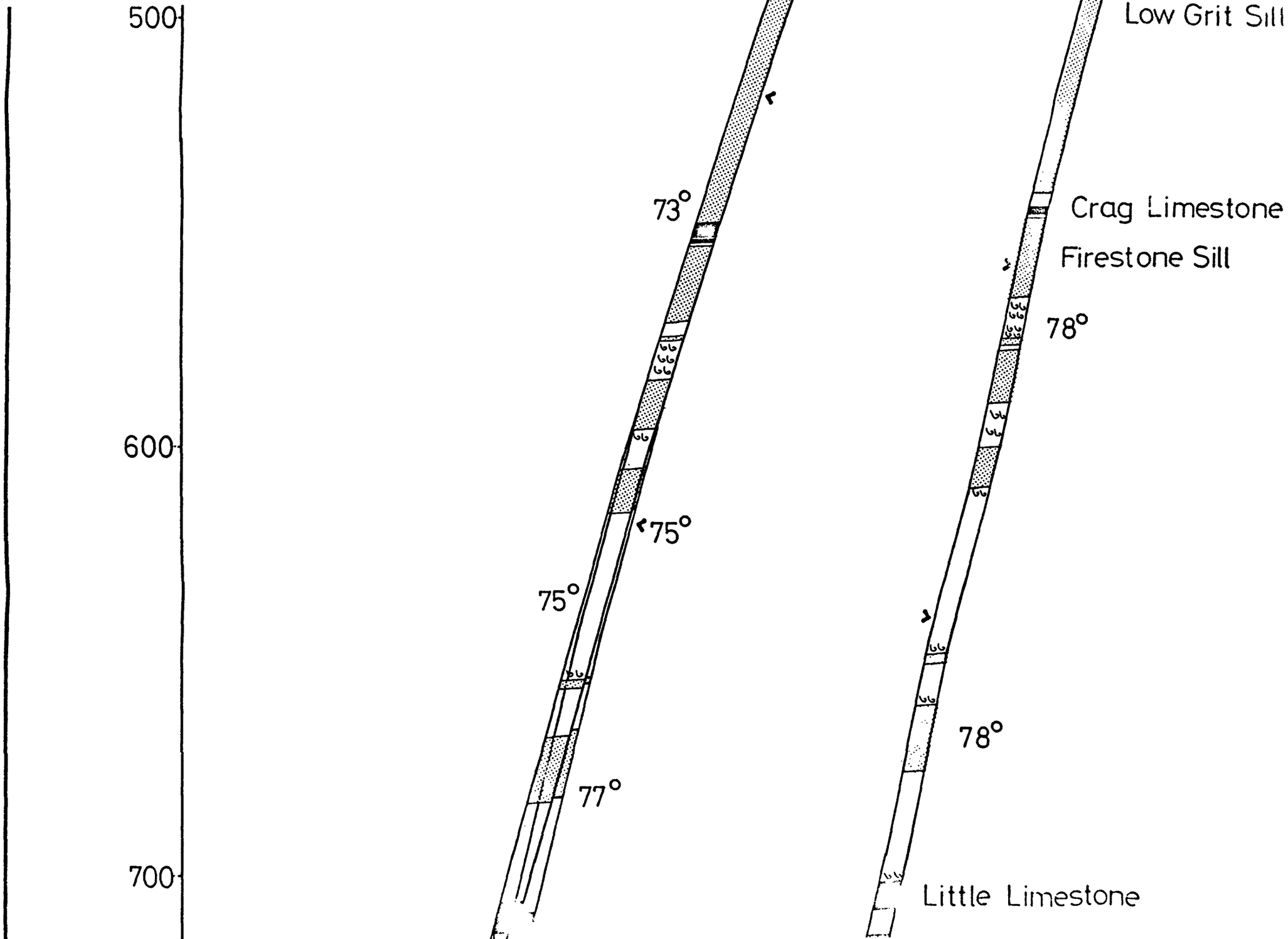


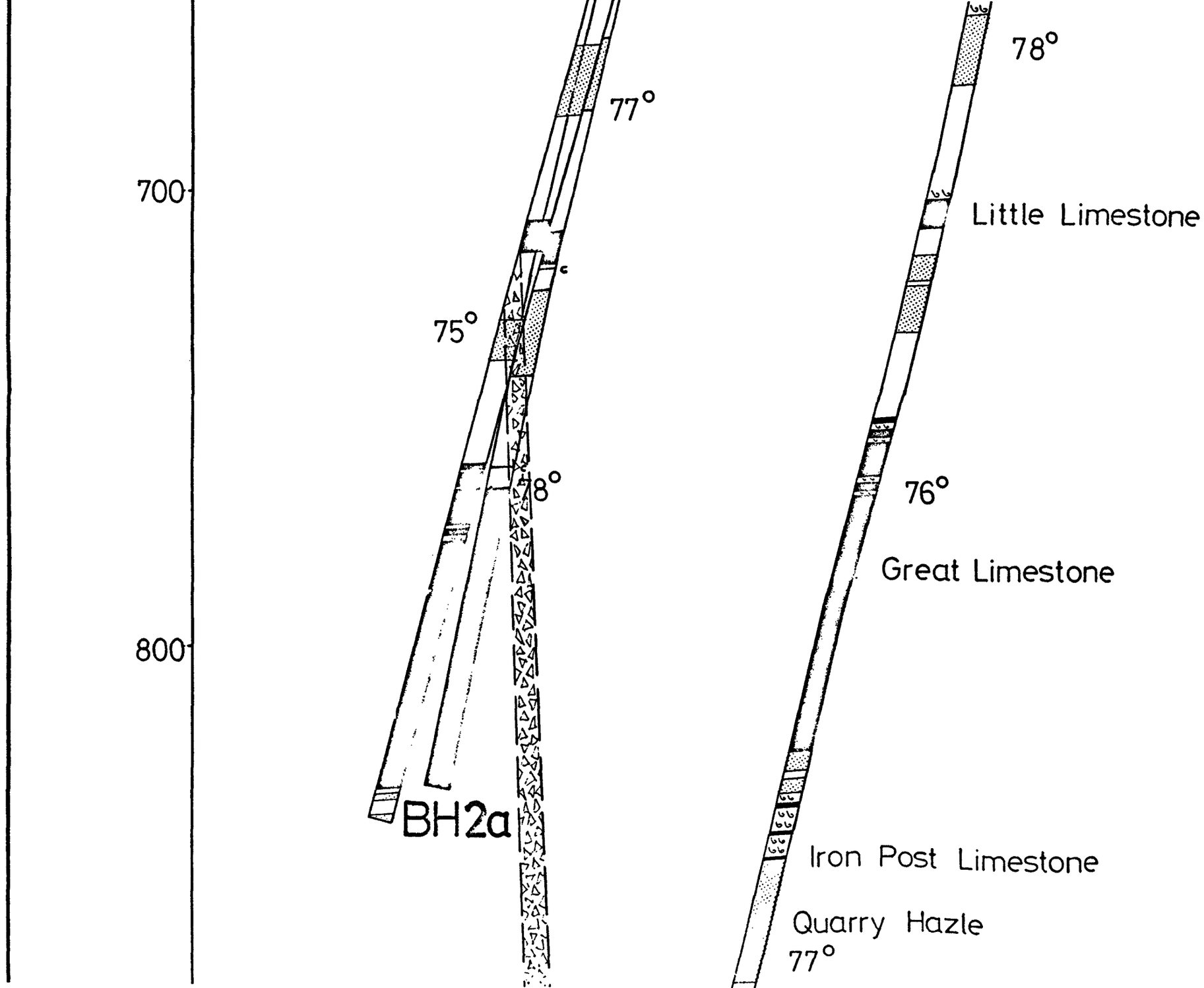
200

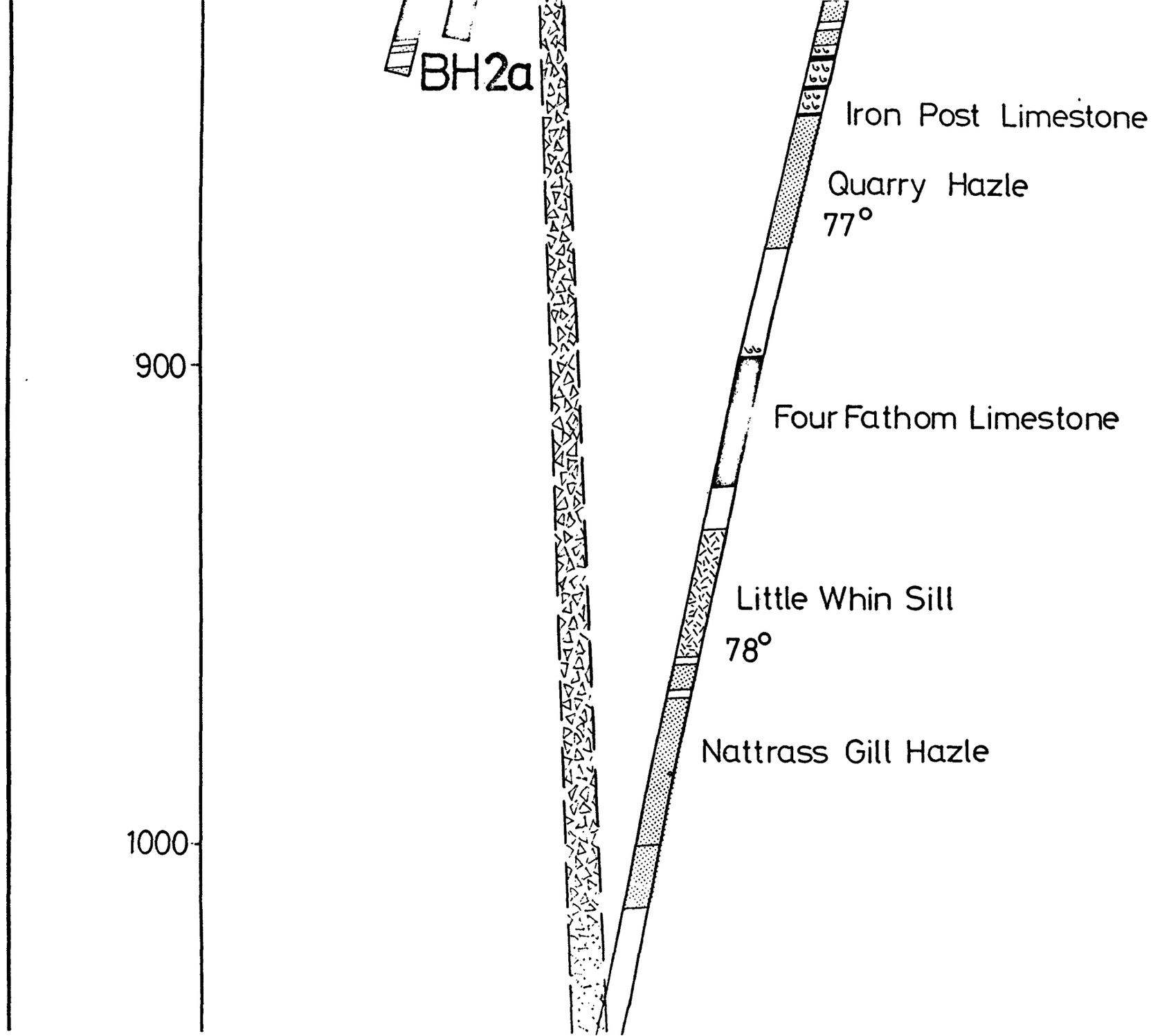
300

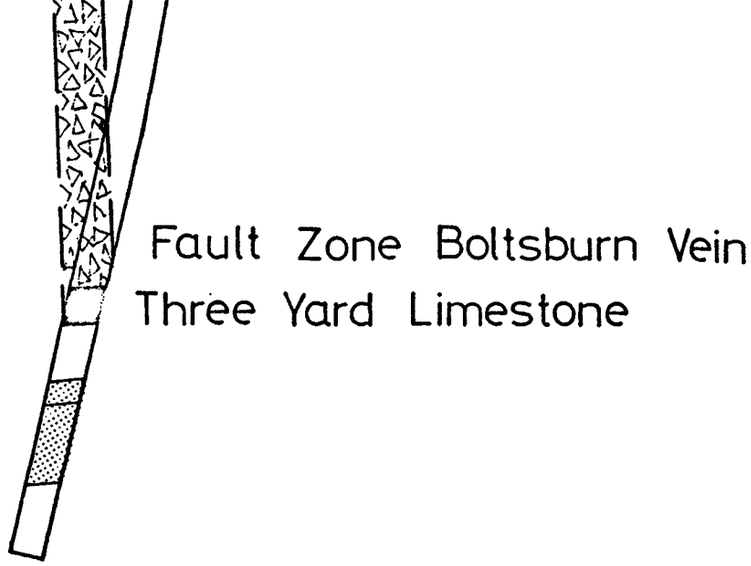



400
500
69°
71°
75°
76°
Low Grit Sill


500
600
700
73°
75°
75°
77°
78°
78°
Low Grit Sill
Crag Limestone
Firestone Sill
Little Limestone


700
800
77°
75°
8°
BH2a
78°
Little Limestone
76°
Great Limestone
Iron Post Limestone
Quarry Hazle
77°

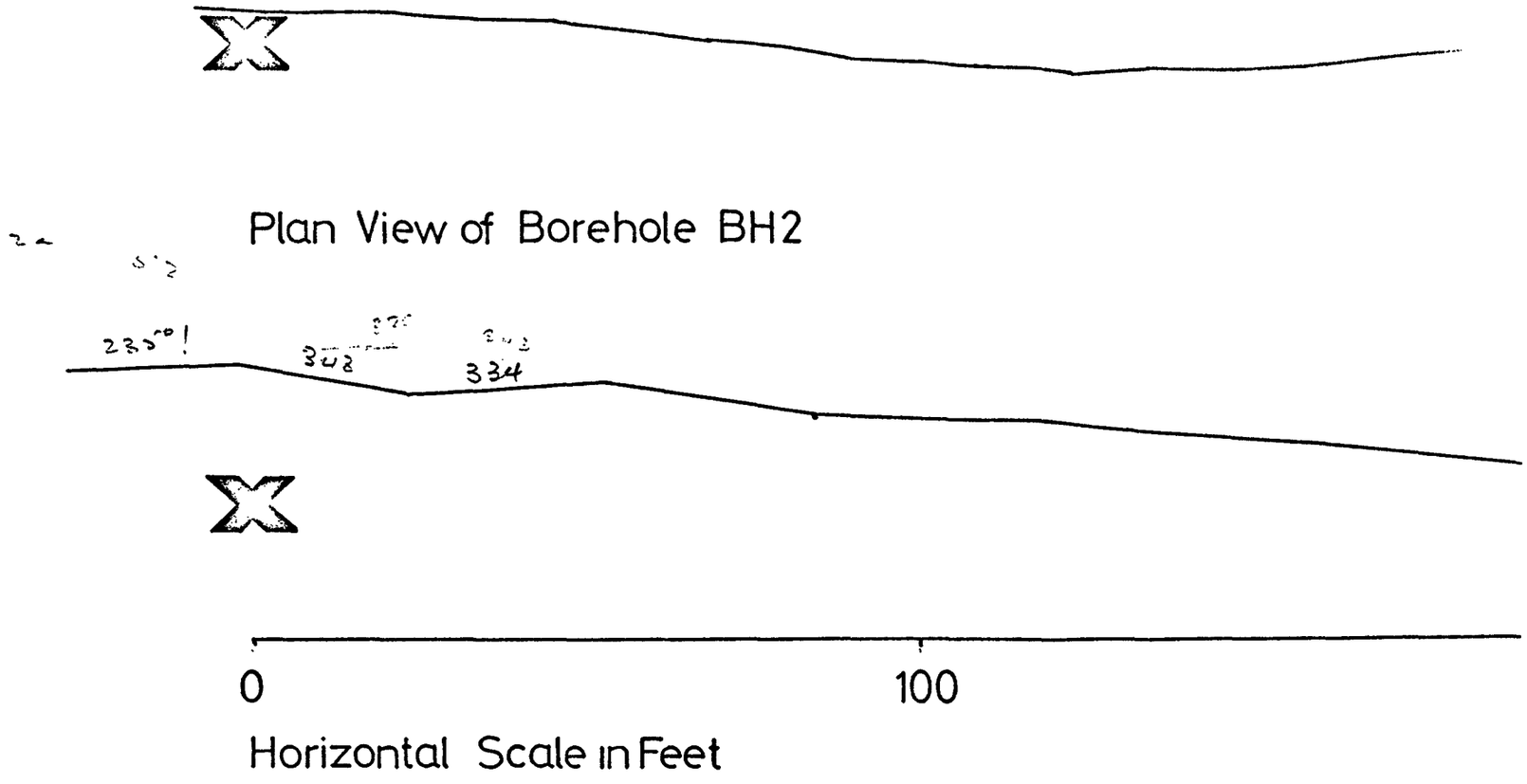

BH2a
Iron Post Limestone
Quarry Hazle
77°
900
Four Fathom Limestone
Little Whin Sill
78°
Nattrass Gill Hazle
1000



1100

Plan View of Borehole BH1

Plan View of Borehole BH2



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