

MAP NO.: ASSESSMENT REPORT X
115 I 7 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092944
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: DIAMOND DRILLING

REPORT FILED UNDER: WESTERN COPPER HOLDINGS

DATE PERFORMED: OCT - NOV, 1990

DATE FILED: FEB, 1991

LOCATION: LAT.: 62°21'N

AREA: WILLIAMS CREEK

LONG.: 136°41'W

VALUE \$: 26,800

CLAIM NAME & NO.: BOY 20, 22, 24, 51-51, 83, 85
DUN 1F-3F
WAR 22
AC 2F-3F, W 1-49

WORK DONE BY: ARCHER, CATIRO & ASSOCIATES (1981) LTD

WORK DONE FOR: WESTERN COPPER HOLDINGS LIMITED

DATE TO GOOD STANDING:

REMARKS: Western Copper Holdings funded 1055 feet of Diamond Drilling in three NQ holes on the Williams Creek no. 1 Zone, a steep dipping tabular zone of weakly schistose rock. The rock is diortitic in composition and is enclosed by Triassic or older granodiorite. DDII-18 intersected 102 feet of 2.28% total copper. DDII-19 intersected 50 feet of 1.38% and DDII-20 intersected 48 feet of 1.16% and 76 feet of 1.80%.



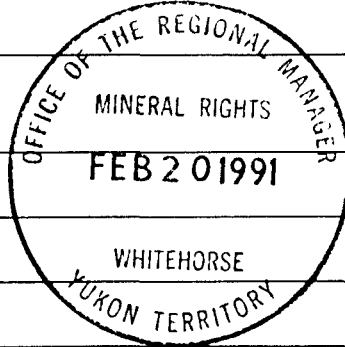
TRANSMITTAL FORM

M.R. file no.
R.M.M.R. file no.
Date forwarded 20 Feb 1991

From Mining Recorder at: Whitehorse

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:



NEW APPLICATION FOR PLACER LEASE TO PROSPECT Name

RENEWAL APPLICATION PLACER LEASE TO PROSPECT Name Lease no.

AFFIDAVIT OF EXPENDITURE ON PLACER LEASE Name Lease no.

SECURITY DEPOSIT

FINANCIAL ABILITY

ASSIGNMENT OF PLACER LEASE NO. From To

GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. Owner

DIAMOND DRILL LOGS Claims Claim sheet no.

Boy, Dun, War, AC, W1-49

115-1-7

QUARTZ ASSESSMENT REPORT Claims Claim sheet no.

* Please number and send 1 copy back. Thanks. Type of report Submitted by

Cls. work performed on

\$ req. for ren. application

26,000

A Southwick
Signature

Date returned

REPLY ACTION

092944

Signature

ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

CONFIDENTIAL

1016-510 WEST HASTINGS STREET
VANCOUVER, B. C. V6B 1L8

(604) 688-2568

ASSESSMENT REPORT

WILLIAMS CREEK PROPERTY

Boy 20	Y51118
22	Y51120
24	Y51122
51-58	Y51149-Y51156
83	Y51181
85	Y51183
Dun 1F-3F	Y59382-Y59384
War 22	Y59373
AC 2F-3F	Y91722-Y91723
W 1-49	YB26708-YB26756

WHITEHORSE MINING DISTRICT

Latitude 62°21'N; Longitude 136°41'W

NTS 115I/7

092944

WESTERN COPPER HOLDINGS LIMITED

February, 1991

A.R. Archer, B.A.Sc., P.Eng.

For diamond drilling conducted between October 25
and November 5, 1990 on Dun 2F claim



TABLE OF CONTENTS

	<u>LOCATION</u>
INTRODUCTION	1
LOCATION AND ACCESS	1
CLAIM STATUS	2
GEOLOGY AND MINERALIZATION	3
1990 DRILL PROGRAM	4
AUTHOR'S STATEMENT OF QUALIFICATIONS	Following Page 4

APPENDIX

I DRILL LOGS WITH ASSAYS

FIGURES

NO.

1	Claim Location Map	Following Page 1
W25	Orthogonal Longitudinal Section, No. 1 Zone	In Pocket A
W20A	Cross Section 1200N, No. 1 Zone	In Pocket A
W21A	Cross Section 1500N, No. 1 Zone	In Pocket B
W34	Cross Section 1350N, No. 1 Zone	In Pocket B

INTRODUCTION

The Williams Creek copper deposit was found and staked in 1970 by prospector G. Wing. The property was optioned by Dawson Range Joint Venture (Straus Exploration Inc., Great Plains Development of Canada Ltd., Trojan Consolidated Minerals Ltd. and Molybdenum Corporation of America) in September 1970 and explored during the period 1970 to 1972 with grid soil sampling, geophysical surveys, trenching and 23,379 feet of diamond drilling. The joint venture abandoned its interest in the property to Archer, Cathro & Associates Limited in 1982, which later sold its interest to Archer, Cathro & Associates (1981) Limited.

In August, 1989, Archer, Cathro optioned the property to Western Copper Holdings Limited, which conducted metallurgical tests that year and upgraded the access road in September, 1990. In October, 1990, Western Copper funded 1055 feet of diamond drilling in three holes on the Williams Creek No. 1 Zone under the management of Archer, Cathro and direct supervision of the writer, the results of which are the subject of this report.

LOCATION AND ACCESS

The Williams Creek property is located at latitude 62°21'N and longitude 136°41'W on NTS claim sheet 115I/7, as illustrated on Figure 1 on the following page.

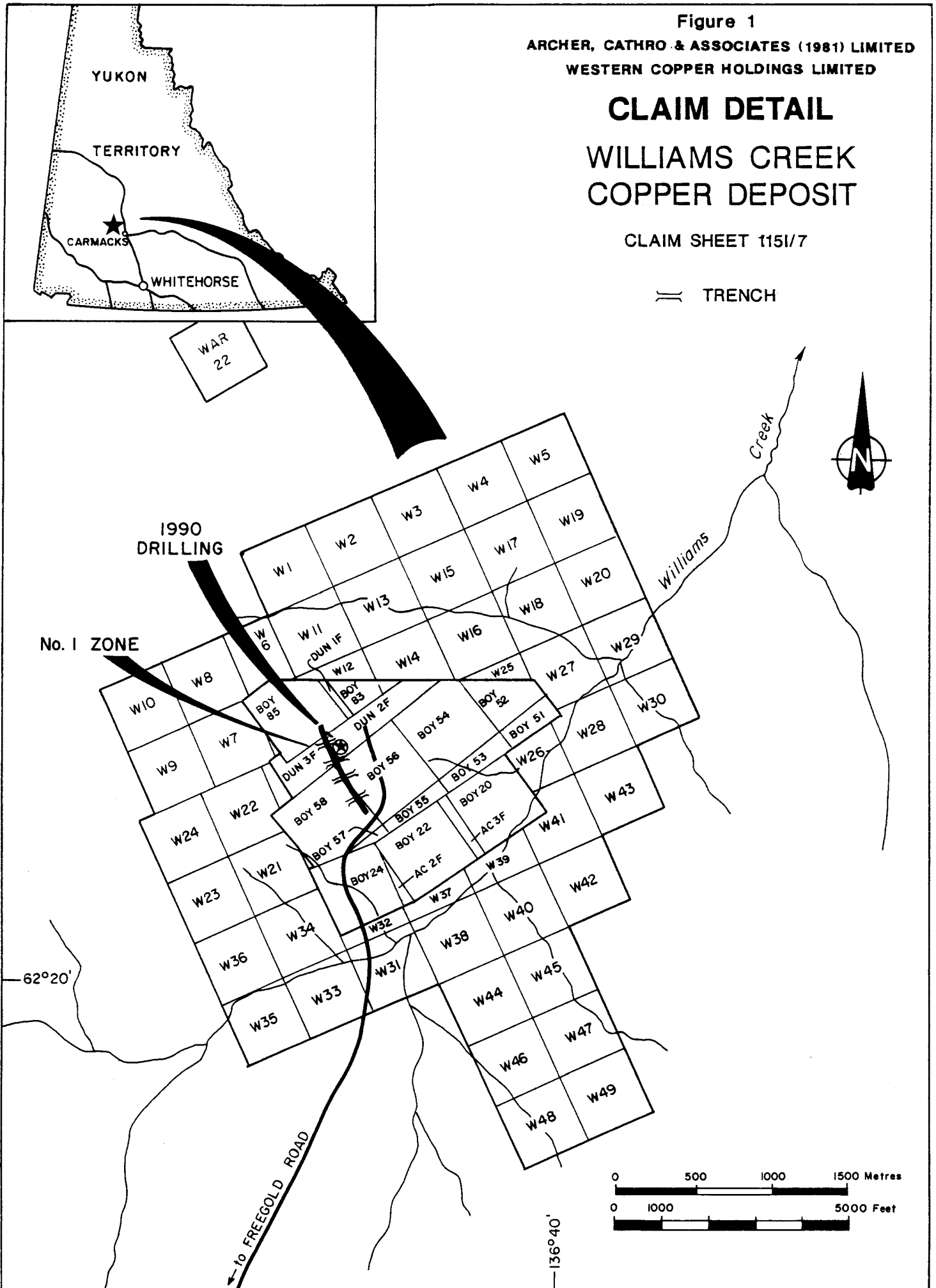
The Williams Creek No. 1 Zone is accessible by a seven mile long summer road north from Mile 22 on the secondary, government-maintained Freegold Road that extends west of Carmacks. Carmacks lies some 109 road miles north of Whitehorse.

CLAIM DETAIL

WILLIAMS CREEK COPPER DEPOSIT

CLAIM SHEET 1151/7

≡ TRENCH



CLAIM STATUS

The Williams Creek property consists of 68 full size and fracture mineral claims, of which all but one (War 22) are contiguous. The claims are recorded in the Whitehorse Mining District as follows.

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Boy 20	Y51118	March 9, 1995
22	Y51120	March 9, 1995
24	Y51122	March 9, 1995
51-58	Y51149-Y51156	March 9, 1995
83	Y51181	March 9, 1995
85	Y51183	March 9, 1995
Dun 1F-3F	Y59382-Y59384	March 9, 1995
War 22	Y59373	March 9, 1995
AC 2F-3F	Y91722-Y91723	March 9, 1995
W 1-49	YB26708-YB26756	August 31, 1992

GEOLOGY AND MINERALIZATION

The Williams Creek No. 1 Zone is a steep-dipping (-70° east) tabular zone of weakly schistose rock of diorite composition enclosed by Triassic or older granodiorite. It is believed to be a recrystallized roof pendant of Triassic Mt. Nansen volcanic rocks. The deposit has a sharp footwall contact and a less well defined, somewhat gradational, hanging wall contact. It has a strike length of 1800 feet at surface, reducing to 1100 feet at a depth of 1200 feet below surface and has an average width of 96 feet.

Drilling at approximately 400 foot centres in 1970 to 1972 has traced the deposit to 1500 feet below surface and shows that it terminates to the north by absorption into the granodiorite and to the south by an assay cutoff due to increasing pyrite. Mineralization consists of disseminated bornite, chalcopyrite and pyrite with the occasional irregular veinlet of bornite and chalcopyrite and is best developed in the footwall portion of the deposit. Minor gold and silver values are present and appear to be preferentially contained in the bornite. Small quantities of molybdenite are also present.

Drill indicated reserves, using a 0.6% Cu cutoff grade, are 9.36 million tons grading 1.34% Cu in a footwall zone averaging 53 feet wide, plus an additional 6.97 million tons grading 0.78% Cu in an irregular hanging wall zone. About half of this reserve is in oxide form as surface oxidation has converted most of the sulphide copper minerals to malachite and azurite to 800 feet below surface.

1990 DRILL PROGRAM

The purpose of the 1990 drilling was to test the width and grade of the No. 1 Zone between surface and the two best drill intersections obtained in the 1970-72 drill program. Drilling was contracted to E. Caron Diamond Drilling Limited of Whitehorse and three holes (90W1-18 to 90W1-20) were drilled with NQ equipment over the period October 25 to November 5, 1990. The drill program was supervised on site by geological engineer K. Sax who stayed in a tent camp on the property. The diamond drillers stayed in a hotel in Carmacks and drove to work each day. Cold weather necessitated the use of a water truck rather than surface water lines. Otherwise, no unusual problems were encountered.

After drilling was completed, the core was transported to the H.S. Bostock Core Library in Whitehorse and logged by K. Sax. Mineralized sections were split and sent to Chemex Labs Ltd., North Vancouver, B.C. where they were assayed for total copper and oxide copper by standard assay techniques and gold and silver by fire assay. Sulphide copper assays were determined by subtracting the oxide copper assay from the total copper assay. Copies of the drill logs with assays are given in Appendix I.

The three holes were drilled at a -50° dip about 150 feet apart on the Dun 2F claim designed to intersect the footwall of the No. 1 Zone about 300 feet below surface. The location and assay summaries of the holes are shown in section on Figure W25 and in cross section on Figures W20A, W21A and W34, all in the pockets. The three holes intercepted the No. 1 Zone where expected and all three returned better than anticipated assay results based on previous assays from nearby drill holes and surface trenches.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED




A.R. Archer, B.A.Sc., P.Eng.

/mc

STATEMENT OF QUALIFICATIONS

I, Alan R. Archer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia, and residential address in West Vancouver, British Columbia, do hereby declare:

1. I am a 1957 graduate of the University of British Columbia in geological engineering.
2. I have been engaged in geological engineering for over twenty-five years, the past twenty of which have been as a consultant.
3. I am a registered professional engineer in British Columbia and in Yukon Territory.
4. I have supervised the work described in this report.



Alan R. Archer, B.A.Sc., P.Eng.

APPENDIX I
DRILL LOGS WITH ASSAYS

COORDINATES 1510' N 200' E	DATE STARTED 29-10-90	DEPTH	COLLAR		
ELEVATION	DATE COMPLETED 31-10-90	DIP	750		
RORE SIZE NQ	FINAL DEPTH 359'	AZIMUTH	246		

PTH	COMMENTS	MINERALS					SAMPLES					Cu %	Cu Ox. %	Cu Sul. %	Au g/t	Ag g/t	
		Py.	Cp.	Bo.	Col. Ox.	Bik. Ox.	FROM	TO	INTERVAL	Rec. %	SAMPLE No.						
10	overburden																
20	hardly deformed granite																
30	granodiorite																
40	mod fol. 15° mod fol 0°																
50																	
60	porphyry dikes																
70	granodiorite																
80	80% porphyry dikes 80°																
90	weak fol. 30°																
100	granodiorite																
110																	

PTH	COMMENTS	MINERALS					SAMPLES					Cu %	Cu Ox. %	Cu Sul. %	Au g/t	Ag g/t	
		Py.	Cp.	Bo.	Col. Ox.	Blk. Ox.	FROM	TO	INTERVAL	Rec. %	SAMPLE No.						
130	granodiorite																
140	{ faulted & argillitic altered granodiorite						139	149	10	80	T12552	0.56	0.48	0.08	.008	.06	
150	hornblende biotite diorite, fine gr.				1/2		149	159	10	100	T12553	0.37	0.33	0.04	.004	.02	
160	granodiorite hornblende biotite diorite, fine gr. mod. fol 60°				2		159	169	10	100	T12554	0.37	0.35	0.02	.002	.03	
170	mod. fol 45°				1		169	179	10	100	T12555	0.46	0.40	0.06	.004	.04	
180	granodiorite						179	189	10	100	T12556	0.35	0.32	0.03	.002	.04	
190	strong fol 45°				1		189	199	10	100	T12557	0.45	0.41	0.04	.004	.05	
200	granodiorite						199	209	10	100	T12558	0.44	0.41	0.03	.004	.04	
210	hornblende biotite diorite, coarse gr.						209	219	10	100	T12559	1.03	0.88	0.15	.008	.10	
220	hornblende biotite diorite, fine gr.				4	1	219	229	10	100	T12560	1.78	1.50	0.28	.010	.12	
230	amalgamating muscovite & diagen. cpx, py, & Cu wood						229	241	12	100	T12561	1.28	1.31	-0.03	.008	.09	
240					3	1	241	246	5	100	T12546	4.09	4.00	0.09	.026	.26	
250	granite						246	251	5	100	T12547	2.62	2.45	0.17	.020	.20	

PTH	COMMENTS	MINERALS					SAMPLES					Cu %	Cu Ox. %	Cu Sul. %	Au g/t	Ag g/t
		Py.	Cp.	Bo.	Col. Ox.	Blk. Ox.	FROM	TO	INTERVAL	Rec. %	SAMPLE No.					
	hornblende biotite granite, med to coarse gr. with occ. malachite stained qtz flooding						256	266	10	82	T12576	0.52	0.46	0.06	.012	.15
260										88						
							266	276	10	96	T12577	0.84	0.79	0.05	.038	.29
270										88						
							276	286	10	87	T12578	2.60	2.51	0.09	.074	.59
280					2					96						
	HBD, fine gr strong fol 40°				3		286	296	10	100	T12579	3.12	3.05	0.07	.057	.66
290										95						
							296	306	10	100	T12580	0.78	0.74	0.04	TR	.01
300										92						
							306	316	10	93	T12581	0.78	0.74	0.04	TR	.01
310	weak fol 70°									94						
							316	326	10	86	T12582	0.33	0.33	NIL	TR	TR
320	qtz + k-spar flooding				10					92						
							326	335	9	87	T12583	0.56	0.56	NIL	TR	TR
330										100						
	end Cu zone									93						
	crossed bands of granodiorite						335			82						
340	unmineralized HBD									82						
										82						
	EOH 345'									90						

COORDINATES 1200' N 260' E	DATE STARTED 3-11-90	DEPTH	COLLAR		
ELEVATION	DATE COMPLETED 5-11-90	DIP	-50		
BORE SIZE <i>NO</i>	FINAL DEPTH 351'	AZIMUTH	246		

PTH	COMMENTS	MINERALS					SAMPLES					Cu %	Cu Ox. %	Cu Sul. %	Au g/t	Ag g/t
		Py.	Cp.	Bo.	Col. Ox.	Bik. Ox.	FROM	TO	INTERVAL	Rec. %	SAMPLE No.					
10	<i>overburden</i>															
15	<i>hornblende diorite</i>															
20	<i>porphyry dike</i>															
30	<i>hornblende diorite</i>															
40																
50																
60	<i>porphyry dike</i> <i>granodiorite</i>															
70	<i>interior qtz flooding</i>															
80																
90	<i>hornblende biotite diorite, fine gr</i> <i>granodiorite</i>															
100																
110																

DEPTH	COMMENTS	MINERALS					SAMPLES					Cu %	Cu Ox. %	Cu Sul. %	Au g/t	Ag g/t	
		Py.	Cp.	Bo.	Col. Ox.	Blk. Ox.	FROM	TO	INTERVAL	Rec. %	SAMPLE No.						
130	granodiorite																
140	porphyry dike																
150	hornblende diorite, coarse gr.																
160																	
170																	
180																	
190	weak fol 60°																
200	hornblende diorite diorite, fine coarse gr. local qtz strong fol 40°					tr	199.5	209.5	10	92	T12584	1.58	1.36	0.22	.27	4.7	
210	} fault gouge flooding					1/2	209.5	219.5	10	80	T12585	1.15	1.08	0.07	.24	5.4	
220						1	219.5	229.5	10	62	T12586	0.64	0.59	0.05	.21	2.0	
230						1	229.5	237	7.5	94	T12587	0.61	0.54	0.07	.21	1.8	
240	hornblende diorite, fine gr, locally bx, weak fol.					1/2	237	246	9	90	T12588	1.73	1.37	0.36	.55	5.7	
250						2	246	256	10	90	T12589	1.18	1.05	0.13	.34	4.4	

1971 - DIAMOND DRILL HOLE ASSAYS

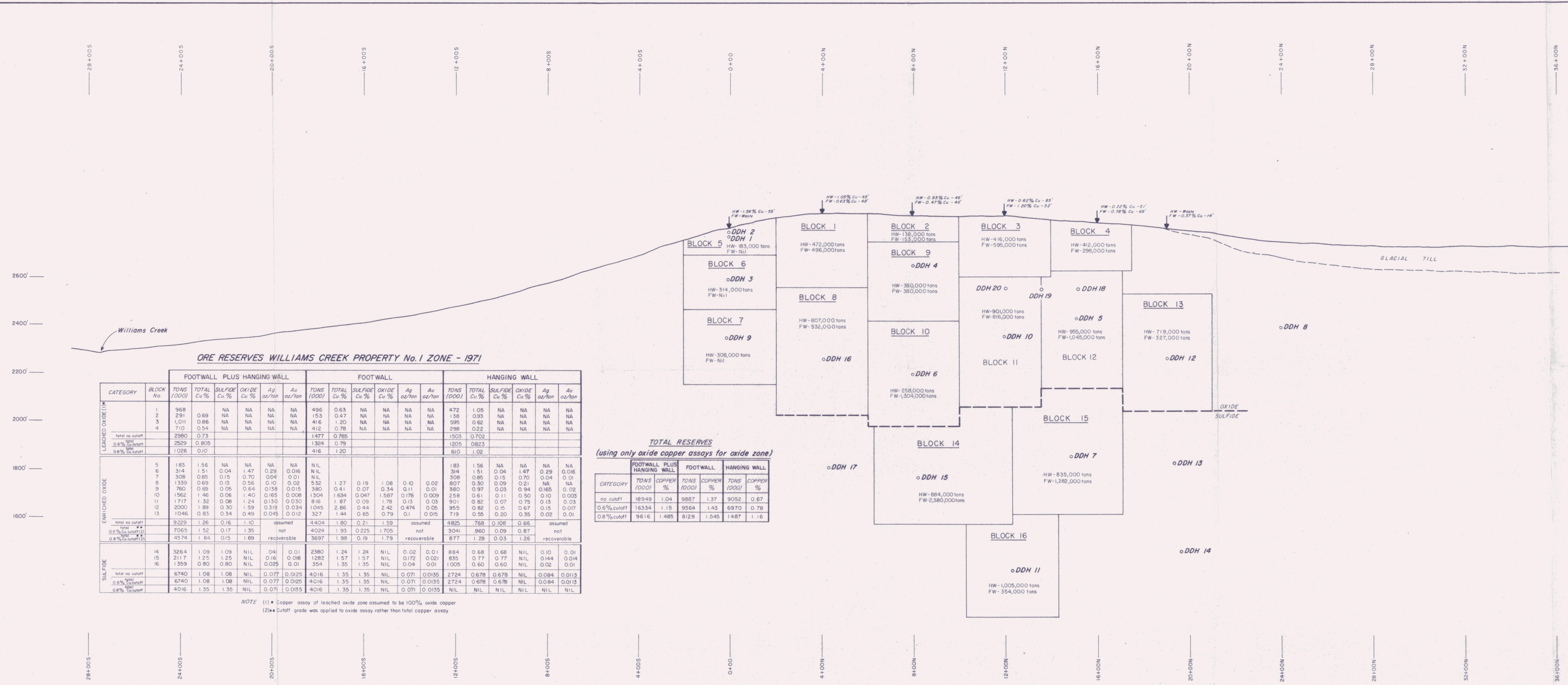
HOLE No.	WALL	TRUE WIDTH (ft)	TOTAL COPPER %	OXIDE COPPER %	SULFIDE COPPER %	SILVER oz/ton	GOLD oz/ton
1970 X-RAY HOLES, ASSAYS NOT RELIABLE							
3	HW	40	1.51	1.47	0.04	0.29	0.016
	FW	24	0.20	0.13	0.07	NA	NA
4	HW	33	0.97	0.94	0.03	0.165	0.02
	FW	33	0.41	0.34	0.07	0.11	0.01
5	HW	66	0.82	0.67	0.15	0.15	0.017
	FW	70	2.86	2.42	0.44	0.476	0.09
6	HW	17	0.61	0.50	0.11	0.05	0.003
	FW	86	1.634	1.587	0.047	0.178	0.009
7	HW	41	0.77	NIL	0.77	0.144	0.014
	FW	63	1.57	NIL	1.57	0.172	0.021
UNMINERALIZED							
9	HW	28	0.85	0.70	0.15	0.04	0.01
	FW	16	0.05	NA	NA	NA	NA
10	HW	57	0.82	0.75	0.07	0.13	0.003
	FW	48	1.97	1.79	0.09	0.13	0.003
11	HW	71	0.60	NIL	0.60	0.02	0.01
	FW	25	1.35	NIL	1.35	0.04	0.01
12	HW	44	0.55	0.35	0.20	0.02	0.01
	FW	20	1.44	0.79	0.65	0.10	0.015
13	HW	89	0.274	---	---	---	---
	FW	36	0.67	---	---	---	---
TRACES OF MINERALIZATION							
14	HW	18	0.41	---	---	---	---
	FW	---	---	---	---	---	---
15	HW	39	0.68	NIL	0.68	0.10	0.01
	FW	106	1.24	NIL	1.24	0.02	0.01
16	HW	44	0.30	0.21	0.09	NOT ASSAYED	---
	FW	29	1.27	1.08	0.19	0.02	0.01
17	HW	32	0.18	NIL	0.18	NOT ASSAYED	---
	FW	---	---	---	---	---	---

1990 - DIAMOND DRILL HOLE ASSAYS

HOLE No.	WALL	TRUE WIDTH (ft)	TOTAL COPPER %	OXIDE COPPER %	SILVER oz/ton	GOLD oz/ton
18	HW	58	0.43	0.39	0.04	0.004
	FW	102	2.28	2.10	0.18	0.027
19	HW	89	0.72	0.66	0.06	0.10
	FW	50	1.38	1.34	0.04	0.009
20	HW	48	1.16	1.01	0.15	0.12
	FW	76	1.80	1.49	0.31	0.19

LEGEND

- Assays from surface trenching
- Hole location on footwall of zone
- NA - Not assayed
- HW - Hanging wall
- FW - Footwall



ORE RESERVES WILLIAMS CREEK PROPERTY No. 1 ZONE - 1971

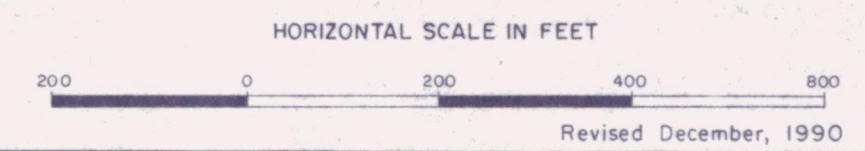
CATEGORY	BLOCK No.	FOOTWALL PLUS HANGING WALL					FOOTWALL					HANGING WALL							
		TONS (000)	TOTAL Cu %	SULFIDE Cu %	OXIDE Cu %	Ag oz/ton	Au oz/ton	TONS (000)	TOTAL Cu %	SULFIDE Cu %	OXIDE Cu %	Ag oz/ton	Au oz/ton	TONS (000)	TOTAL Cu %	SULFIDE Cu %	OXIDE Cu %	Ag oz/ton	Au oz/ton
LEACHED OXIDE (1)	1	968					496	0.63	NA	NA	NA	NA	472	1.05	NA	NA	NA	NA	NA
	2	291	0.69	NA	NA	NA	153	0.47	NA	NA	NA	NA	158	0.95	NA	NA	NA	NA	NA
	3	1,011	0.86	NA	NA	NA	416	1.20	NA	NA	NA	NA	595	0.62	NA	NA	NA	NA	NA
	4	710	0.54	NA	NA	NA	412	0.78	NA	NA	NA	NA	298	0.22	NA	NA	NA	NA	NA
total no cutoff		2980	0.73				1477	0.785					1503	0.702					
total 0.6% Cu cutoff		2529	0.805				1324	0.79					1205	0.823					
total 0.8% Cu cutoff		1026	0.10				416	1.20					610	1.02					
ENRICHED OXIDE	5	183	1.56	NA	NA	NA	NIL						183	1.56	NA	NA	NA	NA	NA
	6	314	1.51	0.04	1.47	0.23	0.016	NIL					314	1.51	0.04	1.47	0.29	0.016	0.01
	7	308	0.85	0.15	0.70	0.04	0.01	NIL					308	0.85	0.15	0.70	0.04	0.01	NA
	8	1339	0.69	0.13	0.56	0.10	0.02	532	1.27	0.19	1.08	0.10	0.02	807	0.30	0.09	0.21	NA	NA
	9	760	0.69	0.05	0.64	0.138	0.015	380	0.41	0.07	0.34	0.11	0.01	380	0.97	0.03	0.94	0.165	0.02
	10	1562	1.46	0.06	1.40	0.165	0.008	1304	1.634	0.047	1.67	0.178	0.009	258	0.61	0.11	0.50	0.10	0.003
	11	1717	1.32	0.08	1.24	0.150	0.030	816	1.87	0.09	1.78	0.13	0.03	901	0.82	0.07	0.75	0.13	0.03
	12	2000	1.89	0.30	1.59	0.319	0.034	1045	2.86	0.44	2.42	0.474	0.05	955	0.82	0.15	0.67	0.15	0.017
	13	1046	0.83	0.34	0.49	0.045	0.012	327	1.44	0.65	0.79	0.1	0.05	719	0.55	0.20	0.35	0.02	0.01
	total no cutoff		9229	1.26	0.16	1.10	assumed	4404	1.80	0.21	1.59	assumed		4825	0.68	0.108	0.66	assumed	
	total 0.6% Cu cutoff (2)		7065	1.52	0.17	1.35	not recoverable	4024	1.93	0.225	1.705	not recoverable		3041	0.960	0.09	0.87	not recoverable	
	total 0.8% Cu cutoff (2)		4574	1.84	0.15	1.69	recoverable	3697	1.98	0.19	1.79	recoverable		877	1.29	0.03	1.26	recoverable	
	SULFIDE	14	3264	1.09	1.09	NIL	0.04	0.01	2380	1.24	NIL	0.01	0.01	884	0.68	NIL	0.10	0.10	0.01
15		2117	1.25	1.25	NIL	0.16	0.018	1282	1.57	NIL	0.02	0.021	835	0.77	0.77	NIL	0.144	0.014	
16		1359	0.80	0.80	NIL	0.025	0.01	354	1.35	1.35	0.04	0.01	1005	0.60	0.60	NIL	0.02	0.01	
total no cutoff		6740	1.08	1.08	NIL	0.077	0.0125	4016	1.35	1.35	NIL	0.071	0.0135	2724	0.678	0.678	NIL	0.084	0.013
total 0.6% Cu cutoff		6740	1.08	1.08	NIL	0.077	0.0125	4016	1.35	1.35	NIL	0.071	0.0135	2724	0.678	0.678	NIL	0.084	0.013
total 0.8% Cu cutoff		4016	1.35	1.35	NIL	0.071	0.0135	4016	1.35	1.35	NIL	0.071	0.0135	NIL	NIL	NIL	NIL	NIL	NIL

NOTE (1) * Copper assay of leached oxide zone assumed to be 100% oxide copper
 (2) * Cutoff grade was applied to oxide assay rather than total copper assay

TOTAL RESERVES (using only oxide copper assays for oxide zone)

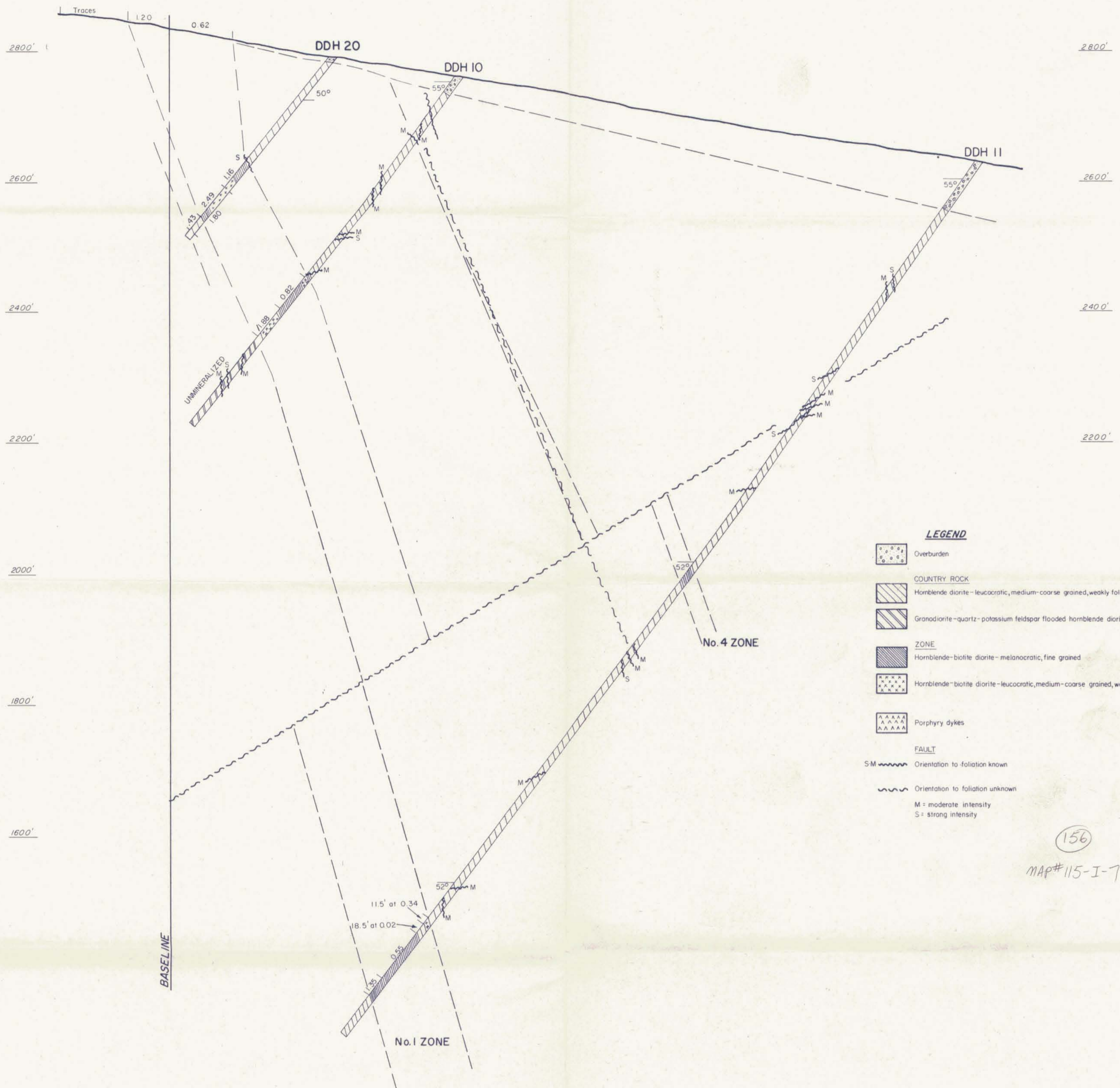
CATEGORY	FOOTWALL PLUS HANGING WALL		FOOTWALL		HANGING WALL	
	TONS (000)	COPPER %	TONS (000)	COPPER %	TONS (000)	COPPER %
no cutoff	18949	1.04	9887	1.37	9052	0.67
0.6% cutoff	16334	1.15	9564	1.43	6970	0.78
0.8% cutoff	9616	1.485	8129	1.545	1487	1.16

FIG. W 25
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ORTHOGONAL LONGITUDINAL SECTION*
ORE RESERVES No. 1 ZONE
 WILLIAMS CREEK PROPERTY



NOTE - Base elevation of 2800' obtained by aneroid barometer assuming Yukon River at Carmacks at 1550' above sea level
 * Section is on the plane of the footwall

SECTION 1200 NORTH



LEGEND

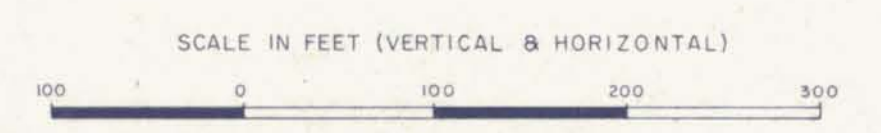
- Overburden
- COUNTRY ROCK**
- Hornblende diorite - leucocratic, medium-coarse grained, weakly foliated.
- Granodiorite-quartz-potassium feldspar flooded hornblende diorite
- ZONE**
- Hornblende-biotite diorite - melanocratic, fine grained
- Hornblende-biotite diorite - leucocratic, medium-coarse grained, weak to strong foliated
- Porphyry dykes
- FAULT**
- Orientation to foliation known
- Orientation to foliation unknown
- M = moderate intensity
- S = strong intensity

092944

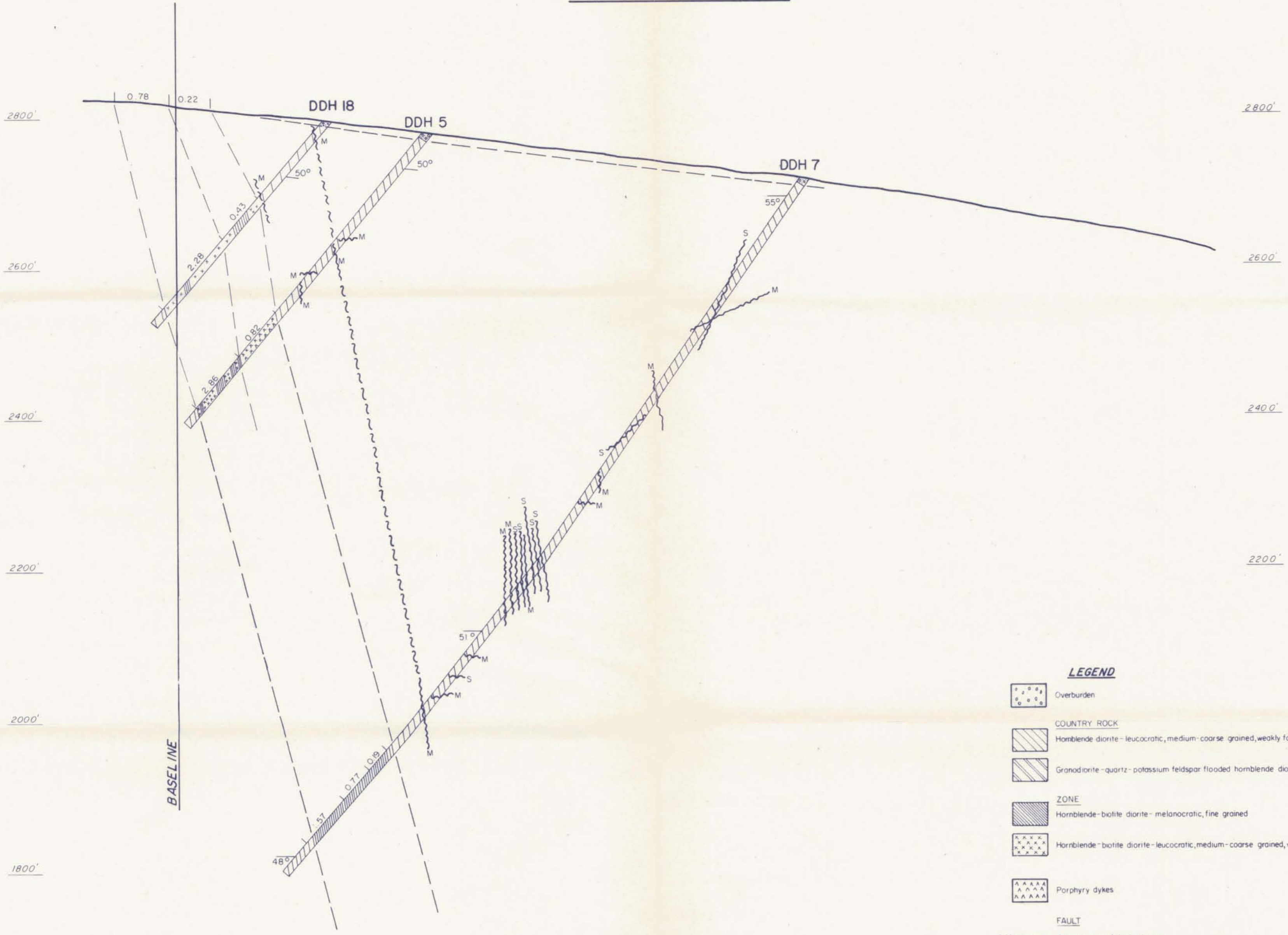
(156)
MAP# 115-I-7

NOTE:
DDH 11 intersection is 35' north of section
All sections looking northwest
Baseline and surface profile from 1971 surveyed baseline cut
at N 25° W from base station 100,000E, 100,000N at trench 0+00

FIG W 20A
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 1200 NORTH
No. 1 ZONE
WILLIAMS CREEK PROPERTY



SECTION 1500 NORTH



- LEGEND**
- Overburden
 - COUNTRY ROCK**
 - Hornblende diorite - leucocratic, medium-coarse grained, weakly foliated.
 - Granodiorite - quartz - potassium feldspar flooded hornblende diorite
 - ZONE**
 - Hornblende-biotite diorite - melanocratic, fine grained
 - Hornblende-biotite diorite - leucocratic, medium-coarse grained, weak to strong foliated
 - Porphyry dykes
 - FAULT**
 - S-M Orientation to foliation known
 - Orientation to foliation unknown
 - M - moderate intensity
 - S - strong intensity

092944

NOTE

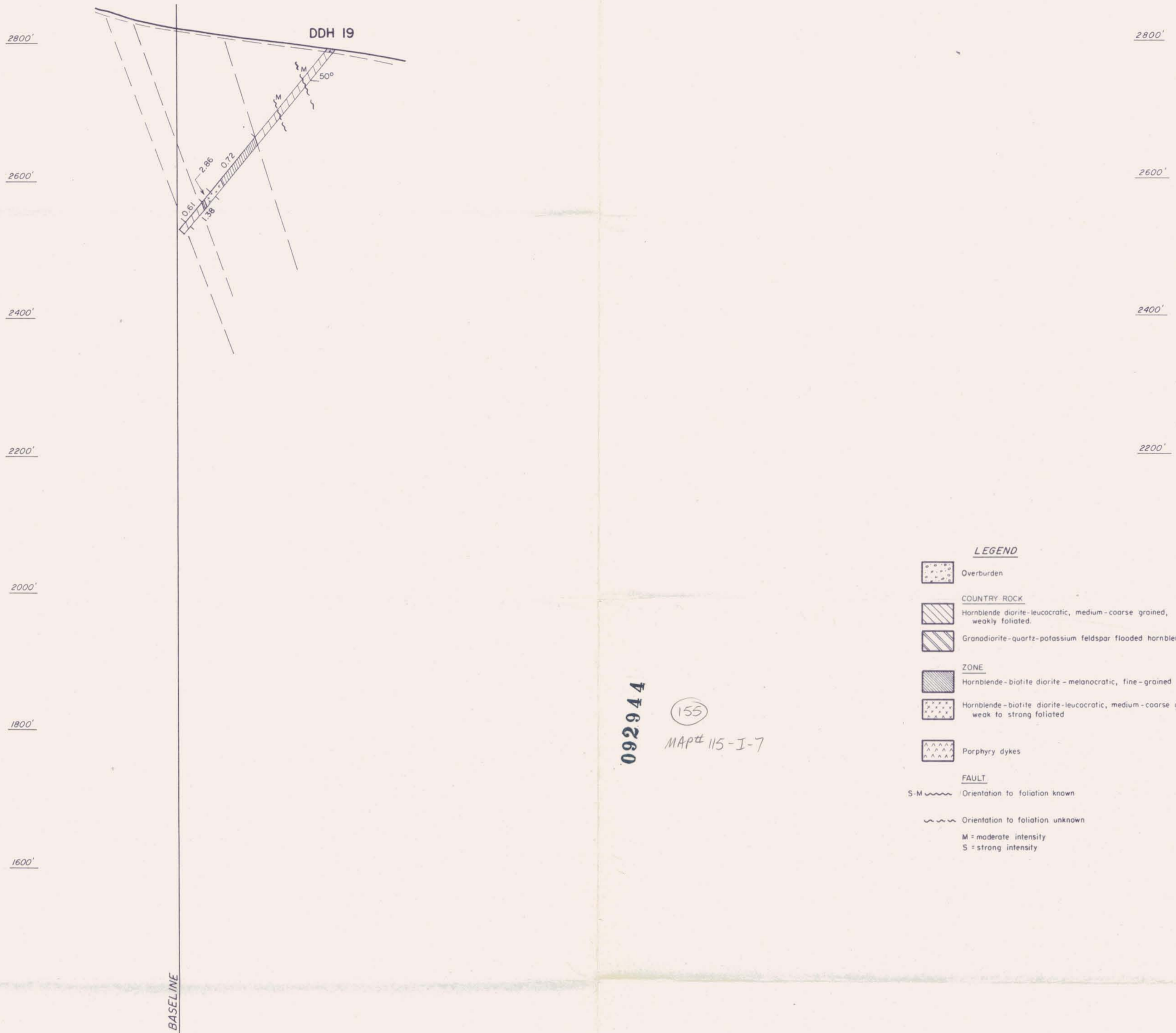
All sections looking northwest
 Baseline and surface profile from 1971 surveyed baseline cut
 at N 25° W from base station 100,000E, 100,000N at trench 0+00

153
 MAP# 115-I-7

FIG W 21A
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 1500 NORTH
No. 1 ZONE
 WILLIAMS CREEK PROPERTY



SECTION 1350 NORTH



LEGEND

- Overburden
- COUNTRY ROCK
- Hornblende diorite-leucocratic, medium-coarse grained, weakly foliated.
- Granodiorite-quartz-potassium feldspar flooded hornblende diorite.
- ZONE
- Hornblende-biotite diorite-melanocratic, fine-grained
- Hornblende-biotite diorite-leucocratic, medium-coarse grained, weak to strong foliated
- Porphyry dykes
- FAULT
- Orientation to foliation known
- Orientation to foliation unknown
- M = moderate intensity
- S = strong intensity

092944

155
MAP# 115-I-7

NOTE:

All sections looking northwest
Baseline and surface profile from 1971 surveyed baseline cut
at N 25°W from base station 100,000E, 100,000N of trench 0+00

FIG. W34
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 1350 NORTH
No.1 ZONE
WILLIAMS CREEK PROPERTY

