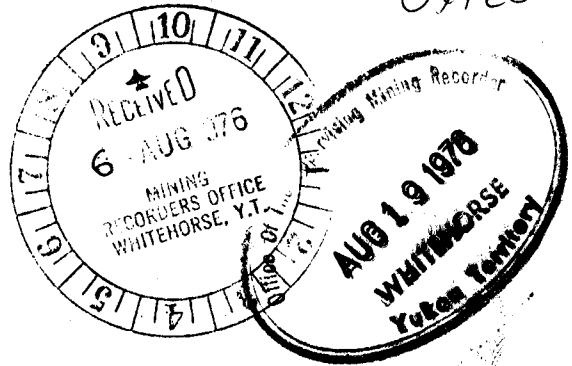


# BOLIDEN - PREUSSAG

EXPLORATION

414 - 850 West Hastings Street  
Vancouver, B. C., Canada V6C 1E1



August 4, 1976

Mining Recorder  
Whitehorse Mining District  
Room 220 - Federal Building  
WHITEHORSE, Yukon  
Y1A 2B5

Dear Sirs:

TENAS CLAIMS  
Your File 340-17-6

Enclosed is the data requested in your letter of 29th July,

DDH 75-1

Bearing: Grid North (N25E)  
Dip 50° Grid North  
Length: 500 feet  
Location: 750 feet N85W of the common corner of  
Tenas 1, 2, 3 and 4 on Tenas No. 2

DDH 75-2

Bearing: Grid North (N25E)  
Dip 50° Grid North  
Length: 503 feet  
Location: 850 feet N10W from the common corner of  
Tenas 5, 6, 7 and 8 on Tenas No. 5

Complete geologic drill logs and assay data are enclosed and the core is stored on the property at the drill sites.

Yours very truly,

BOLIDEN-PREUSSAG EXPLORATION

H. LINDER  
Enclosures

P.O. BOX 197  
TORONTO-DOMINION CENTRE  
TORONTO, ONT., CANADA  
M5K 1H6

TELEPHONE  
(416) 863-0381

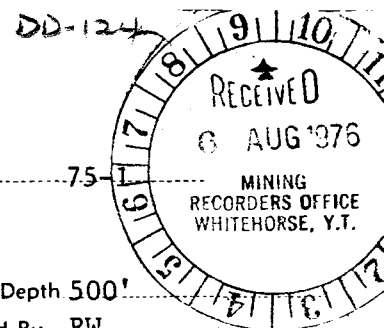
TELEX  
06-22577

CABLE  
BOLPRE TORONTO

# DIAMOND DRILL RECORD

PROPERTY TENAS

HOLE No. 75-1



DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. 75-1 Sheet No. 1 Lot 154 + 25W  
 Section 539 + 50E Dep. 539 + 50E  
 Date Begun 11/11/75 Bearing N25°E at -50'  
 Date Finished 21/11/75 Elev. Collar 3010'

Total Depth 500'  
 Logged By RW  
 Claim Tenas #1  
 Core Size BQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0 - 5'	Casing						
5 - 39'	Quartz-Chlorite phyllite, greyish green, fine grained, strongly foliated, thin 1 mm siliceous laminations, more graphitic from 9' - 11', 20 - 21, 31 - 33', scattered minor po in pin head blebs in this quartz laminae, 8" quartz vein at 17' with 1/4" blebs of po, 1-1/2" bedding plane tringer at 22' with 1 - 2% po, 1" cross cutting stringer at 23', with blebs po, sparse blebs po at 35.5 becoming biotite rich at 37' - 39', cleavage at 75° to C.A.						
39' - 46'	Chlorite phyllite <sup>+</sup> graphite, strong cleavage, sparse quartz stringers, brown chlorite(?)						
46' - 51'	Graphite schist <sup>+</sup> chlorite, sparse quartz stringers, bedding plane stringers at 80° to C.A., strongly crenulated at 48 to 49'.						
51' - 122'	Sericite phyllite <sup>+</sup> chlorite, pale grey, strong cleavage, thin silty units 1/4" to 1/2", brown chlorites present, broad cyclical sedimentary characteristics evident with more massive sections from 57' - 59', 65' - 67', 92 - 95', 74 - 76', 105', bedding parallel to cleavage at 80° to C.A. at 75', widespread scattered small blebs of po.						

# DIAMOND DRILL RECORD

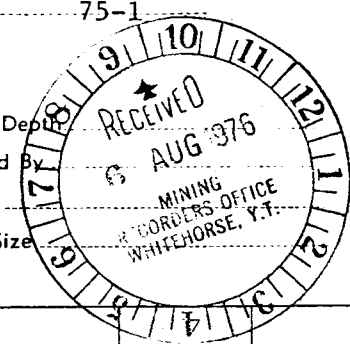
PROPERTY TENAS

HOLE No. 75-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. 75-1 Sheet No. 2 Lat. \_\_\_\_\_  
 Section \_\_\_\_\_ Dep. \_\_\_\_\_  
 Date Begun \_\_\_\_\_ Bearing \_\_\_\_\_  
 Date Finished \_\_\_\_\_ Elev. Collar \_\_\_\_\_

Total Depth \_\_\_\_\_  
 Logged By \_\_\_\_\_  
 Claim \_\_\_\_\_  
 Core Size \_\_\_\_\_



DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
57 - 122' (Cont)	(S 1/4%), 1" quartz vein at 73' with 1/4" blebs of po, 8" quartz vein at 78'						
122' - 126'	Chlorite - graphite phyllite, strong cleavage, cleavage controlled quartz stringers and scattered augen with traces po, minor epidote along fractures						
126' - 133'	Graphitic phyllite, dark grey, with thin quartz chlorite phyllite beds, bedding at 45° to C.A. minor po in silty beds						
133' - 162'	Chlorite sericite phyllite <sup>+</sup> quartz, med. grey/green, strong cleavage, 9" quartz vein, at 153' with 1/4" blebs of po, strongly crenulated at 157' - 159' bedding. Cleavage at 70° to C.A. at 153', minor cross cutting 1/8" quartz stringers from 140 - 144'	36601 (162')	12"	0.01	0.01	0.01	0.01
162 - 183.5'	Graphitic phyllite <sup>+</sup> chlorite, strongly crenulated with kink banding and overfold axis at 171', quartz augen and stringers with scattered blebs of po, cleavage at 70° to C.A. at 180'.						
183.5' - 215'	Chlorite phyllite <sup>+</sup> sericite, <sup>+</sup> quartz, grey/green, more massive in character, with cleavage at 45° to C.A. at 210', sparse epidote fractures, 6" quartz vein at 199' with blebs of po 1/4" diameter.						

# DIAMOND DRILL RECORD

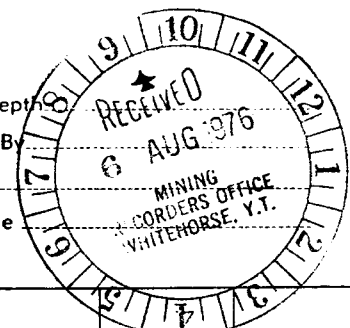
PROPERTY TENAS

HOLE No. 75-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. 75-1 Sheet No. 3 Lat. \_\_\_\_\_  
 Section \_\_\_\_\_ Dep. \_\_\_\_\_  
 Date Begun \_\_\_\_\_ Bearing \_\_\_\_\_  
 Date Finished \_\_\_\_\_ Elev. Collar \_\_\_\_\_

Total Depth \_\_\_\_\_  
 Logged By \_\_\_\_\_  
 Claim \_\_\_\_\_  
 Core Size \_\_\_\_\_



DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Pb	Zn	Ag
215' - 287'	Graphite schist <sup>+</sup> chlorite, variable angles of cleavage to C.A., 45° to C.A. at 215', 35° at 248', strongly crenulated at 222 to 224', locally small breccia at 230', porphyritic andesite from 266 - 269', traces po throughout with small blebs in quartz augen + quartz stringers ( 1/4% over 5')	36602 (248' - 251') 36603 (255' - 257')	3' 2'	- 0.01	0.01 0.01	0.01 0.01
287' - 334'	Chlorite phyllite <sup>+</sup> graphite <sup>+</sup> sericite, pale grey, strong cleavage, thin silty members, cleavage at 10° to bedding at 314, 65° to C.A., more graphitic from 287 to 298, 314 to 317, more massive + silty from 318 - 321. Graphitic schist from 293 to 299' with 2" stringers of po, dilatant quartz gashes from 300 - 315 with trace po throughout especially in quartz stringers but less than 1/2%. 6" quartz vein at 330' (kink banding locally present)					
334 - 353'	Graphite - chlorite phyllite, dark grey, sparse quartz stringers and augen, 4" quartz vein at 345', traces po, cleavage at 75° to C.A.					
354 - 365'	Chlorite - quartz phyllite, dark to med. green, strong cleavage, massive aspect, quartz gashes and stringers from 358 - 365' with sparse po.					

also semi-quantitative spec. analysis

# DIAMOND DRILL RECORD

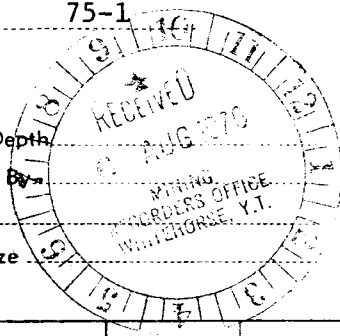
PROPERTY TENAS

HOLE No. 75-1

DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. 75-1 Sheet No. 4 Lat. ....  
 Section ..... Dep. ....  
 Date Begun ..... Bearing .....  
 Date Finished ..... Elev. Collar .....

Total Depth .....  
 Logged By .....  
 Claim .....  
 Core Size .....



DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Cu	Pb	Zn	Ag
365' - 427'	Chlorite - graphite phyllite <sup>+</sup> sericite, dark to med. grey, with interbedded chlorite + graphite sections, thin silty members (1/2") present, graded bedding indicates "tops up hole". From 381 - 382', 384 - 387' abundant quartz stringers with blebs of po, cleavage 60° to C.A. at 370', trace sphalerite(?) at 404', blebs of po up to 1/4" in quartz augen + stringers but 1/2% over 5' section, 1/2" stringer of po at 420'. Crenulated zone 384 - 386'	36604 (370')	3' (.373')	0.01	0.02	0.01	0.01
427 - 444'	Chlorite - sericite phyllite, pale grey/green, traces po in quartz stringers, 6" quartz vein at 437'						
444' - 492'	Chlorite phyllite <sup>+</sup> graphite (minor) with silicified zone 458 - 460', 2" quartz vein with minor po at 447', overfold at 472', cleavage at 78° to C.A. at 480'.						
492' - 500'	Chlorite graphite phyllite, with sparse po in quartz augen, 2" quartz vein at 494' with rare 1/4" blebs of po. Cleavage at 85° to C.A. at 495.						
500'	End of hole.						

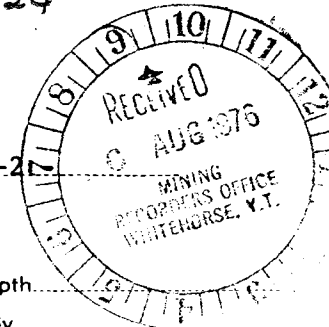




# DIAMOND DRILL RECORD

PROPERTY TENAS CREEK

HOLE No. 75-2

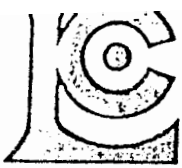


DIP TEST		
Footage	Angle	
	Reading	Corrected

Hole No. <u>75-2</u> Sheet No. <u>3</u>	Lat. ....	Total Depth. ....
Section. ....	Dep. ....	Logged By. ....
Date Begun. ....	Bearing. ....	Claim. ....
Date Finished. ....	Elev. Collar. ....	Core Size. ....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Cu	Pb	Zn	Ag
284 - 341'	Chlorite phyllite <sup>+</sup> graphite, <sup>+</sup> sericite, med. to dark grey, graphitic partings present, strong cleavage, 72° to C.A., interbedded characteristics with siltier units evident from 335 to 341' with strong graphitic zone from 335 to 337', traces pyrite present along cleavage, traces po in 1/8" blebs in sparse quartz augen and quartz ribs, kink banding locally present.						
341 - 368'	Meta-tuff, pale grey/green, chlorite <sup>+</sup> epidote <sup>+</sup> actinolite <sup>+</sup> quartz, impersistent cleavage, 6" quartz vein at 358', gradational into phyllite at 368'	36609 (367')	6"	-	-	0.60	0.07
368 - 401'	Chlorite, phyllite <sup>+</sup> graphite, almost schistose, strong cleavage, 70° to C.A., strongly bedded sections from 373 - 374, 382 - 387, "tops" up the hole(?), strongly crenulated zone at 382 - 384, tension gashes at 40° to C.A. with 1 - 3% po at 391 - 394, blebs of po in silty members, traces po throughout, 1 - 2% po from 375 - 380, trace sphalerite(?), barite, in fractures, 3 - 5% po from 383' - 388' in bedding replacements and minor fractures, quartz augen with sparse po present.	36610 (375' - 380')	5'	0.01	0.02	0.02	0.01
		36611 (383' - 388')	5'	0.01	0.02	0.07	0.06
						Au =	0.003
							Also semi-quantitative spec.





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

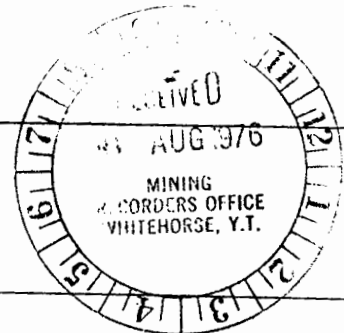
TO: Boliden Preussag Explor.  
 414 - 850 W. Hastings,  
 Vancouver, B.C.

CERTIFICATE NO. 30901  
 INVOICE NO. 15919  
 RECEIVED Dec. 5/75  
 ANALYSED Dec. 15/75

ATTN:

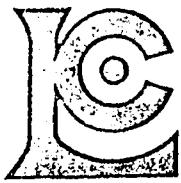
SAMPLE NO. :	% Copper	% Lead	% Zinc	Oz/Ton Silver	Oz/Ton Gold
36601A	<0.01	0.01	<0.01	<0.01	
36602			<0.01	<0.01	
36603		0.01	0.01	<0.01	
36604	<0.01	0.02	0.01	<0.01	
36605		0.01	<0.01	<0.01	
36606			0.01	0.03	
36607		0.02	0.02	<0.01	
36608	0.03	0.02	0.54	0.06	
36609			0.60	0.07	
36610 A	<0.01	0.02	0.02	0.01	
36611	0.01	0.02	0.07	0.06	<0.003
36612			0.06	<0.01	
36613			0.01	<0.01	

Spectro to follow on samples 36603, 36611 & 36605



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*W. Amisani*  
 REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

A-2

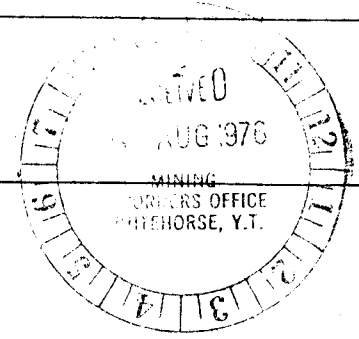
## CERTIFICATE OF ANALYSIS

TO: Boliden Preussag Explor.  
414 - 850 W. Hastings,  
Vancouver, B. C.

CERTIFICATE NO. 36489  
INVOICE NO. 15913  
RECEIVED Dec. 10/75  
ANALYSED Dec. 15/75

ATTN:

SAMPLE NO.	D.D.H.	footage	unit	PPM Copper	PPM Lead	PPM Zinc	PPM Vanadium	PPM Tungsten	Rock Geochem
740351	75-2	144'		152	20	120	260	< 4	
740352	"	32'		146	24	285	170	< 4	
740353	"	333'		40	28	420	1340	4	
740354	"	358'		18	16	120	120	< 4	
740355	"	433'		60	60	86	460	< 4	
740356	"	383'		10	26	248	400	4	
740357	"	495'		72	30	80	100	< 4	
740358	75-1	255		74	20	375	1960	30	
740359	"	319		80	54	211	440	< 4	
740360	"	68		54	72	160	100	< 4	
740361	"	297		46	16	174	190	4	



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY: *San Americano*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. SP 1011

TO: Boliden Preussag Explor,  
 414 - 850 W. Hastings,  
 Vancouver, B.C.  
 V6C 1E1

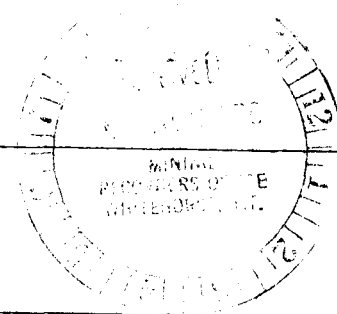
INVOICE NO. 15905

RECEIVED

ATTN:

ANALYSED Dec. 11/75

SAMPLE NO. :	Lower Concentration Limit (PPM)	75-1 255'	75-2, 128'	75-2, 383'	
		36603 257	36605 132	36611 388	
Antimony	50	bcl	bcl	bcl	
Arsenic	50	50	bcl	bcl	
Barium	5	2000	1000	1000	
Beryllium	5	5	bcl	bcl	
Bismuth	5	bcl	bcl	bcl	
Boron	20	100	50	50	
Cadmium	20	bcl	bcl	bcl	
Calcium	0.05%	0.5%	0.2%	5%	
Chromium	10	200	200	200	
Cobalt	10	20	10	20	
Copper	1	100	50	100	
Gallium	2	20	20	20	
Germanium	20	bcl	bcl	bcl	
Iron	0.05%	2%	2%	2%	
Lead	5	20	10	20	
Magnesium	0.02%	2%	1%	1%	
Manganese	5	1000	200	1000	
Molybdenum	10	20	bcl	10	
Nickel	5	100	50	50	
Niobium	50	bcl	bcl	bcl	
Silver	1	bcl	bcl	bcl	
Strontium	20	200	50	500	
Tantalum	200	500	bcl	200	
Tellurium	200	bcl	bcl	bcl	
Thorium	100	bcl	bcl	bcl	
Tin	10	10	bcl	bcl	
Titanium	5	5000	5000	5000	
Vanadium	10	1000	100	500	
Zinc	50	100	50	1000	
Zirconium	20	200	500	200	



### SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

>5000 ppm => 5000 ppm      50 ppm = 25-100 ppm  
 5000 ppm = 2500-10000 ppm      20 ppm = 10-50 ppm  
 2000 ppm = 1000-4000 ppm      10 ppm = 5-20 ppm  
 1000 ppm = 500-2000 ppm      5 ppm = 2-10 ppm

500 ppm = 250-1000 ppm      2 ppm = 1-4 ppm  
 200 ppm = 100-400 ppm      1 ppm = 0.5-2 ppm  
 100 ppm = 50-200 ppm      bcl = below concentration limit

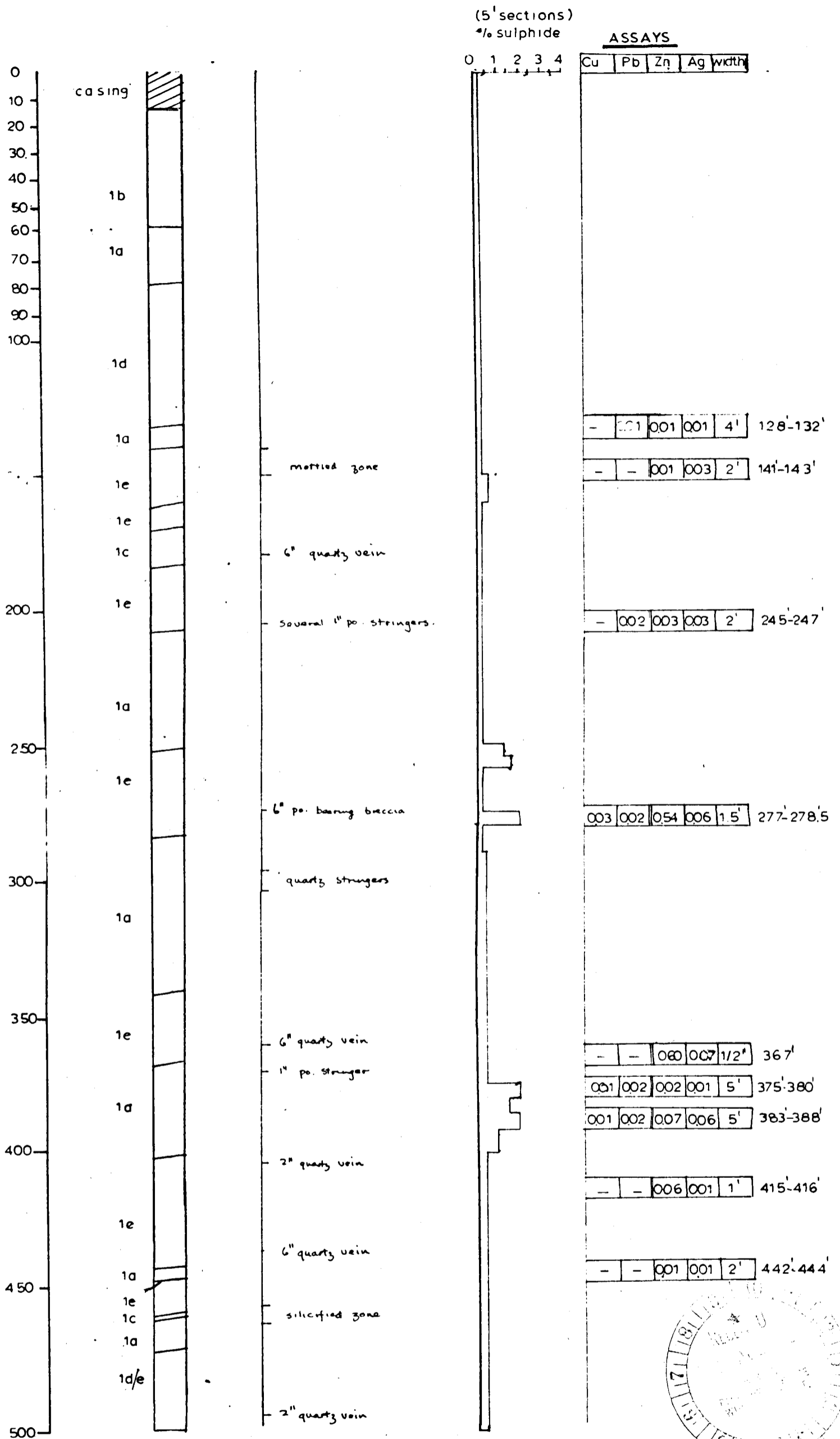
Ranges for Iron, Calcium & Magnesium are reported in %



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

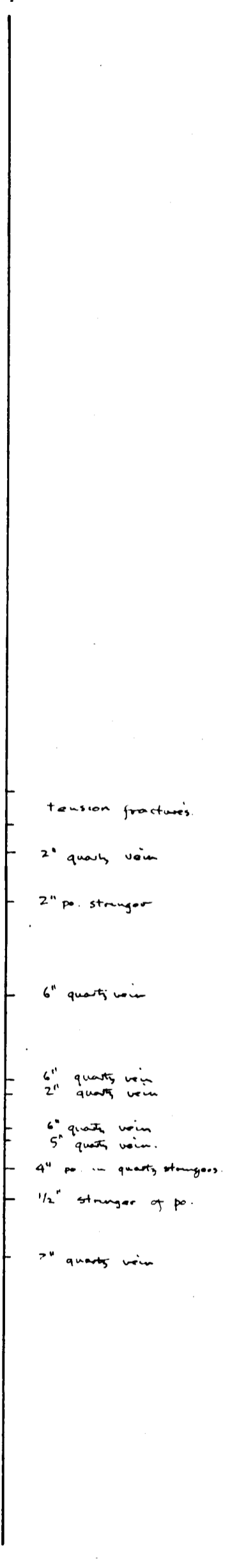
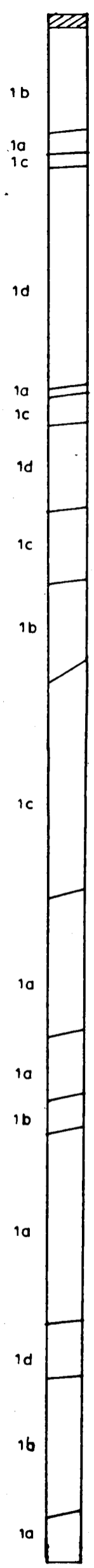
*Handwritten signature*



1a - chlorite-graphite phyllite  
 1b - chlorite phyllite  
 1c - graphite schist phyllite  
 1d - sericite chlorite phyllite  
 1e - meta tuff

BOLIDEN-PREUSSAG	
TENAS CLAIMS	
DRILL SECTION 75-2	
FIG. 6	DD-124

0  
10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
150  
200  
300  
400  
500



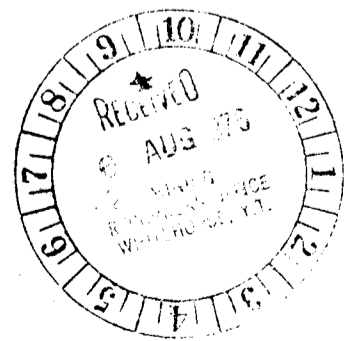
5 sections  
% sulphide  
0 1 2 3 4

ASSAYS  
Cu Pb Zn Ag width

001	001	001	001	1'	162'
-----	-----	-----	-----	----	------

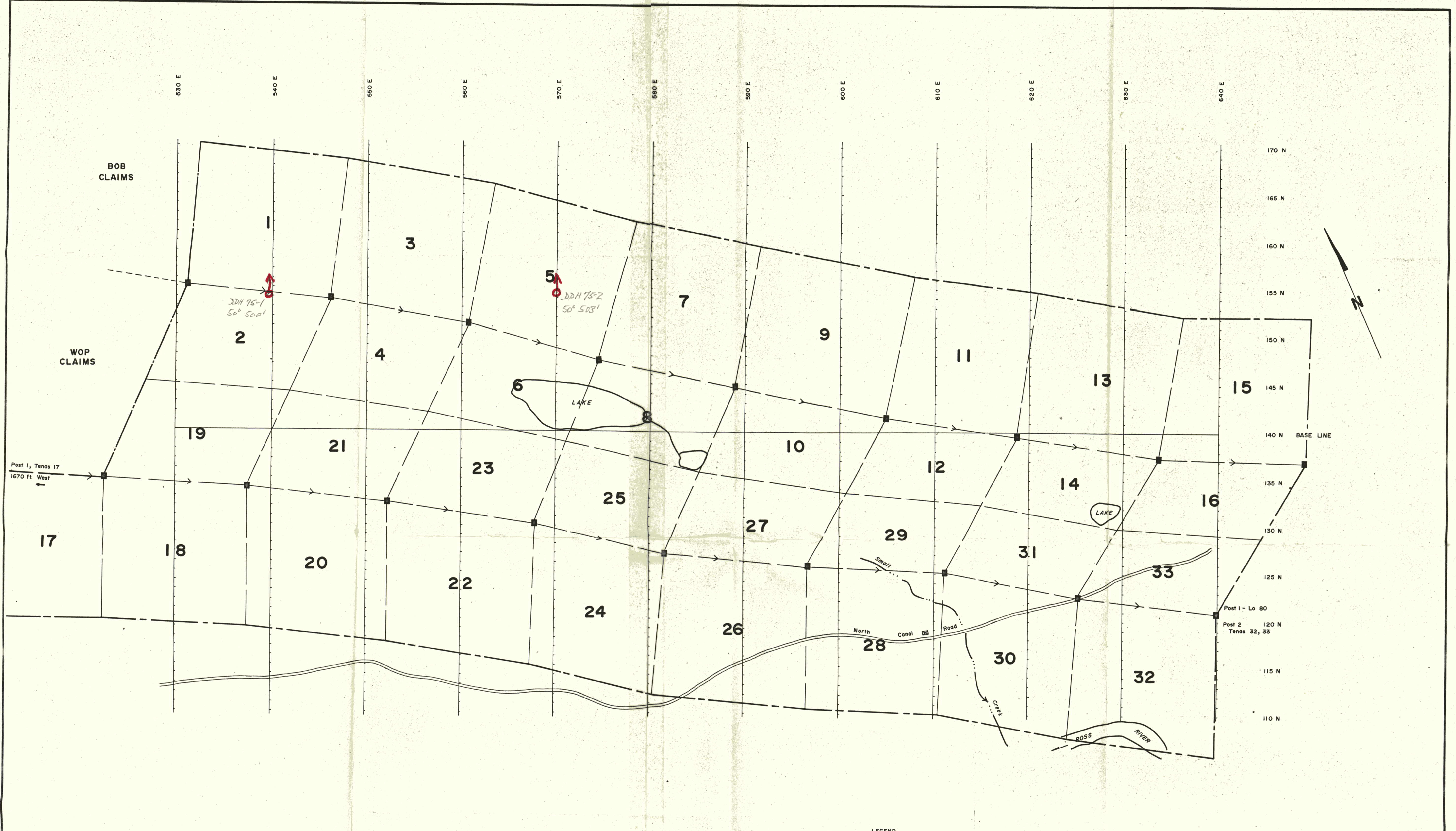
-	-	001	001	3'	248-251
-	001	001	001	2'	255-257

001	002	001	001	3'	370-373
-----	-----	-----	-----	----	---------



LEGEND ON MAP#6

BOLIDEN- PREUSSAG  
TENAS CLAIMS  
DRILL SECTION 75-1  
FIG 5



■ CLAIM POST LOCATION  
 —> CLAIM LOCATION LINE  
 - - - PROPERTY BOUNDARY

BOLIDEN - PREUSSAG EXPLORATION  
 WELCOME NORTH MINES LIMITED OPTION  
 Ross River Area, Yukon

---

**TENAS CLAIM GROUP  
 CLAIMS AND GRID**

---

DD-124

Scale: 1 Inch = 500 Feet

DRAWN BY: C.L.C.

TO ACCOMPANY REPORT  
 BY J.B.P. SAWYER, P. ENG.,  
 DATED Sept 5th 1975

