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WESTFIELD MINERALS LIMITED

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REPORT

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BRISTOL " WNSHIP PROPERTY

Project 404

RECEIVED

NOV - 6 **1985**

MINING LANDS SECTION

Seutember 1985

<u>by</u> -

A. J. Deevy



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Scale

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Plan 6	Plan of 38W Zone	<u>)</u> " = 40"
Plan 7	Plan of Cabin Zone	1" = 40'

APPENDIX 1

Report on Magnetic Survey; Robert S. Middleton, Exploration Services Inc.

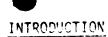
SUMMARY

A vinorous exploration cammaion was mounted to assess the mold potential of this 160 claim property in Bristol Townshin some 10 miles west-south-west of Timmins. Most of the work consisting of meochemical sampling, mapping, stripping, trenching and rock sampling was carried out on the central section of the property where overburden was considered to be not too thick. A magnetometer survey was run over the NE of the property. There was also a limited VLF survey.

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Despite some initial encouragement, the detailed sampling of blasted trenches did not outline any extent of gold values over significant widths. Accordingly, the option on the property has been dropped.

It can be concluded, however, that there is widespread gold mineralization in the area and there are also the types of bedrock alteration that favour cold emplacement, hence, there is no reason to believe that a more longer term exploration approach to the area might not be successful.



This 160 claim property was offered to Westfield Minera's by Mr. R. E. Allerston in the summer of 1984. It occupies the central portion of Bristol Township. The option area is a continuous block of claims but contains within it several small packages not held by Mr. Allerston. The property is located 10 miles west-southwest of Timmins and is readily accessible by dirt roads off Hwy 101 West. (See Index Plan 1).

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There is a long history of previous excloration in the area with the first do'd values being cut by diamond drilling as far back as 1925. More recently, the property was worked on by Canico, Cominco, Kidd Creek Mines and Rio Algom. Various phases of geophysics, geological mapping, lithogeochemistry, trenching and drilling (both core and reverse circulation) were carried out by these companies.

The principal area of interest for the previous operators was a red-stained area of carbonate alteration which is several hundred feet wide and can be traced along strike for about 7,000 feet. An assay of as much as 0.24 oz Au/ton over six feet was returned by one of the previous operators from this zone. The reverse circulation drilling returned results as high as 170,000 ppb gold from the heavy mineral concentrates.

Away from the main carbonate alteration zone, traces of nold were returned from outcron samples. This cold appears to be associated with quartz tourmaline veining cutting through sheared rhyolite tuff.

GEOLOGICAL SETTING

Bristol Two is near the western end of the Abitibi Greenstone Belt. The property deology can be largely divided into bale green to almost white quartz-eye rhyolitic tuffs or flows which occur north and west of the Thunder Creek Fault and meinly dark green to grey-green andesitic to dacitic rocks occuring south and east of this fault. (See Plan 2). The area has been extensively sheared and metamorphosed with much of the acidic rocks north of the fault showing a good deal of sericitic alteration, and those south from it being both chloritized and sericitized.

A suite of near north striking diabase dykes cuts the property. These have escaped the regional metamorphism but they appear to have been displaced by some of the faulting. They are locally carbonate altered.

MINERALIZATION

Most of the gold mineralization on the property occurs in the Main Carbonate Zone. This zone is readily recognizeable in outcrop by its bright red weathered surface. On fresh surfaces, it is buff to pale green and looks to be a carbonate alteration phase of interbedded sericite and chlorite schist which originally were intermediate flows or tuffs. The gold is associated with narrow, randomly orientated, nuartz veins cutting through the carbonate altered schist. Occasionally, the gold is coarse enough to be visible but mostly it only shows up in assay results. There seems to be some association between gold and the presence of pyrite and tourmaline in the veins, but this association is by no means universal.

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Outside the Main Carbonate Zone, visible cold has been intersected in oraphitic breccia in a drill hole near the Thunder Creek Fault (not on the Allerston property). Narrow quartz veins with a N65°E strike which cut sericitized rhyo'ite some 2300 feet north-north-west of the Fault also have traces of gold. Some minor tournaline has been noted in some of . ese quartz veins and one vein was found also to have traces of molybdenum.

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1984-1985 WORK PROGRAM

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A review of previous reports on the claim block was made and from this a work program was laid out. Most of the property is overlain by deep glacial overburden. However, it was considered that the area around the Thunder Creek and associated Faults would be the most prospective area. Accordingly, a section of the property where overburden was considered to be relatively thin was selected for a humus geochemical sampling programme. At this stage, ten claims in the SW of the 190 claim block were excluded from the optioned area.

The NE portion of the claim block was covered by a magnetic survey which was run to provide basic geological data. This survey was carried out by Robert S. Middleton, Exploration Services Inc. (See Appendix 1). Apart from diabase dykes, the magnetic results were essentially flat suggesting a homogeneous suite of acidic rocks.

<u>Humus samples</u> were collected at fifty feet intervals along lines 400 feet apart using the old Allerston Grid (Base line Azimuth 70⁰) for location reference. Analyses was done by Bondar Clegg & Co. Ltd. at Ottawa using the fusion and carbon rod AA analytical method. (Results of this brogram are presented on Plan 3). The majority of values are in the 10 ppb Au or less range. The threshold is considered to be 15 bob and values above that figure are anomalous. As can be seen from Plan 3, most of the anomalous values occur in close proximity to the Main Carbonate Zone with a top value of 1587 bob at 8±505 on line 00. Outside the Main Carbonate Zone, there are other concentrations of anomalous values, eq. (a) close to the Thunder Creek lault: two values of 160 bb at 60W/5±50N and 20W/10±50N; (b) close to 35N; 99 bbb at 28W/38N, 27 bbb at 20W/32N, 55 bbb at 4E/27±50N and 20E/34N; and (c) values of 51 and 35 bbb close to McDonald Lake. Table 1 summarizes the results of the initial around follow-up work on the anomalous areas. Many of the anomalies occur in swampy areas or areas of obvious deep overburden.

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TABLE

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SAMPLE NUMBER	<u>CO-ORD.</u>	GOLD VALUE (ppb)	REMARKS
C-231	160W, 5+50N	160	Swampy, creek 50' east, outcrop at 0-226, no sample.
C-281	152W, 4N	67	Black spruce swamp no sample.
C-259	152W, 5S	80	A'der & spruce swamp.
C-186	148W, 7+50N	27	Spruce swamp no sample.
C-291	148%, 2S	80	No outcrop observed.
C-303	148W, 8S	40	No outcrop observed.
L-304	148W, 8+50S	49	No outcrop observed.
L-175	L44W, 6S	39	Swampy area, no outcrop.
L-258	140W, 28N	25	Low land, no outcrop.
C-100	140W, 3S	27	Deep overburden.
C-223	L36W, 5+50N	30	Rise in topo, but no outcrop no samples.
C-122	L36W, 1+50S	126	Deen overburden.
C-135	L36W, 85	27	Deep overburden.
C- 136	L36W, 8+50S	740	Deep overburden.
D-388	L32W, 34+50N	35	Swampy low area rises to outcrop to north, no samples.
L-389	128W, 38N	99	No outcrop observed.
C-200	128W, 5S	919	Swampy.
C-87	124W, 8S	י 4 י	Swampy.
D-57	120W, 5N	69	Diabase float. No outcrop.
D-68	10+50N	160	Trenched: 2 grab samples negative results.
D-יין	120W, 32N	27	Outcrop in area, no sample.
C-39	L16W, 2+50S	35	Outcrop. No sample.
C-46	L16W, 6+00S	36	Outcrop to south. No sample.
D-599	18W, 48+50N	35	Swamp (musken)

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TABLE 1 (con't)

SAMPLE	<u>CO-ORD</u> .	GOLD VALUE	REMARKS
D-694	14W, 46+50N	51	Outcrop to North & South but in swamp. No sample.
D-17	LAN, 8+50S	35	Outcrop no alteration. No sample.
L-13?	L00, 8+50S	י 587	Alder swamp.
D-772	L45, 37+50N	55	No outcrop observed.
C-573	L85, 10+50N	27	Pine and cedar forest. No outcrop.
D-804	L12E, 7+50N	28	
L-58	L'2E, 3+50S	116	Outcrop, trenched and sampled.
L-56	L12E, 4+50S	202	Cutcrop, trenched and sampled.
L-55	L12E, 5+50S	30	Outcrop to north. No sample.
L-53	1125, 6+50S	734	No outcrop. No sample.
L-103	L'6E, 1S	535	No outcrop. No sample.
L-81	L16E, 12S	46	Possibly contaminated by drill sludge.
L-534	L20E, 29+50N	36	Cedar Swamp.
L-650	L20E, 34N	55	Dense poplar, lots of B-horizon. No outcrop.
L-649	L20E, 33+50N	25	Dense poplars, lots of B-horizon. No outcrop.
L-660	- L20E, 39N	30	Dense poplar. No outcrop.
C-546	L245, 7N	27	Mixed forest. Deep overburden.
C-441	1285, 28N	26	Mixed forest. Deep overburden, some boulders. No samp
C-456	128E, 35+50N	29	Mixed forest, deep overburden, tuffs & diabase boulders. No samples.

<u>WLF survey</u> using the Seattle transmitting station was carried out over part of the property where it was considered that the overburden was too thick to allow any meaningful response from bedrock hosted cold to show through in the hurus soil horizon. For the most part, the VLF profiles were flat, suggesting thick overburden. However, considerable activity was encountered at the north end of the lines which may be indictive of thinning overburden and possibly the presence of the main carbonate altered zone. (See Plan 4).

<u>Outcron sampling and trenching</u> was carried out in follow-up to the peochemical program and also to verify some of the better gold values obtained by previous workers on the property. Manual stripping and bedrock sampling was carried out around 12W/3S, 22W/11N and 45W/5S. Around 12E/4S, old trenches were cleaned out and check sampled and a 60 feet long trench was drilled, blasted and sampled alongside an existing trench. Similarily at 38W/4S, some 75 feet of fresh surface was blasted beside an old trench. Also, an old trench at 12E/27N was cleaned out and sampled as were several old trenches around 16W/33N. The results of this trenching are presented on Plan 5. The samples were analysed for gold and values greater than 500 pob were usually assayed. This work was again done by Bondar Clegg of Ottawa.

Neoative values were returned from 22W/11N (Thunder Creek Fault Area), 12W/3S and 12E/27N. At 12E/4S values of up to 6230 ppb Au were returned. This value was from a narrow quartz vein. However, as this area has been well drill - tested by previous workers, it was concluded that not too much could be gained by further follow-up work. Two values greater than 100 ppb Au were returned from the 45W/5S area but the 0.2 oz/ton Au obtained by Texas Gulf was not repeated. Most encouragement was gleaned from the trench at 38W/4S where 0.12 oz/ton Au was obtained across five feet. This five feet section was check sampled and returned 1.04 oz/ton Au across one foot and 0.001 and 0.009 across 2-two feet sections, respectively. It

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was found that the one foot sample was somewhat more siliceous and quantz voined than the surrounding rocks and also it had about 2% pyrite content as opposed to about 0.5% in the adjacent strata. The quantz veins and the enclosing rock from the one foot section were sampled independently and the quantz vein fraction returned 1.15 oz/ton Au as against 0.05 for the enclosing rock. It can be concluded from this that the gold is again associated with the quantz veining.

The area around 16W/33N also dave some encouragement. Grab samples of quartz veins from spoil heads returned up to 1990 ppb Au. One of the samples analysed 104 nom Mo as well as 1430 ppb Au.

The last two mentioned areas were deemed to be sufficiently encouraging to warrant follow-up in the form of <u>power stripping</u>. A Case 880 Shovel was moved on site on July 16th and an area some 100 feet X 50 feet was stripped in the 38%/45 area (38% Zone) as well as 395 feet of linear trenching and 8 test pits (which failed to reach bedrock). The exposed bedrock areas were cleaned and washed off with a high pressure hose and selected areas were drilled off, blasted and chip sampled, (total 87 samples). Most of the bedrock exposed was brown weathered and homeoeneous-looking but the fresh rock (after blasting) exhibited quite a mood deal of variety and the chip sample interval was altered to accomodate the changes in lithology.

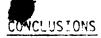
Assay results were disaphointing. (See Plan 6). There was no lateral extent to the one fout section containing the better than one ounce cold. In fact, the best result from the chip sampling was 0.013 oz/ton over 5 feet.

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Some 785 linear feet of trenching in four trenches was done with the backhoe on the 16W/33N area (Cabin Tone) and an old shaft obviously sunk on a quartz vein was mucked out to a depth of 15 feet as was an old test pit to a depth of 9 feet. These old workings were samuled and then filled-in immediately for safety reasons. Following washing, the more interesting sections were drilled and blasted and a total of 22 samples were taken from this area including the sampling of the old workings. No assay results of any consequence were obtained from the Cabin Zone. The best value was 0.025 oz/ton over 1 feet. (See Plan 7).

Four claims were surveyed prior to leasing during the option period.

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The detailed sampling of the 38W Zone did not confirm the optimism generated by the initial encouraging results from this area. Similarily, the trenching and sampling carried out on other areas of the property likewise did not outline any targets for immediate follow-up. Because of this, no further work is planned.

Despite the essentially negative results from this program, the widespread presence of carbonate alteration, shearing and faulting together with ubiquituous cold values both in bedrock and till, make this a property which may be bought ahead by a loncer term exploration approach. However, the lack of success of this current phase of exploration, taken together with the extensive prior work, and the excessive overburden cover mitigates against an easy discovery.

Respectfully submitted,

Deevy; Project Geology

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Mining Lands Section

File No 2.8601

Control Sheet

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TYPE OF SURVEY _____ GEOPHYSICAL _____ GEOLOGICAL _____ GEOCHEMICAL _____ EXPENDITURE

MINING LANDS COMMENTS:

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S. Hurst

Signature of Assessor

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heb 13/80.

Date

March 26, 1986

Your Files: 409/85,62-86 Our File: 2.8601

Mining Recorder Ministry of Northern Development and Mines 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Sir:

RE: Approval letter dated March 7, 1986 Data for Assaying submitted on Mining Claims P 451541, et al, in Bristol Township

With reference to the above-noted letter, there was a typographical error on the statement of assessment work credits. Enclosed is a corrected statement.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

J.C. Smith, Supervisor Mining Lands Section Whitney Block, 6th Floor Queen's Park Toronto, Ontario M7A 1W3 Telephone: (416) 965-4888 SH/mc EC: Ralph Allerston Anthony J. Deevy 107 Wilson Avenue 543 Pine North Timmins, Ontario Timmins, Ontario P4N 258 P4N 6L9 Resident Geologist Timmins, Ontario

Encl.

March 7, 1986

Your Files:#409/85;62/86 Our File:2.8601

Mining Recorder Ministry of Northern Development and Mines 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Str;

RE: Approval Letter dated February 19, 1986 Data for Assaying submitted on Mining Claims P 451541, et al, in Bristol Township

Please disregard the above-noted approval letter. Additional information has been submitted by the claim holder and the file has been reassessed. The assessment work credits as shown on the attached statement have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

J.C. Smith, Supervisor Mining Lands Section Whitney Block, 6th Floor Queen's Park Toronto, Ontario M7A 1W3 Telephone: (416) 965-4888 SH/mc cc: Ralph Allerston Anthony J. Deevy 543 Pine North 107 Wilson Avenue Timmins, Ontario Timmins, Ontario P4N 6L9 P4N 258 Resident Geologist Timmins, Ontario Encl.



Ministry of Northern Development and Mines

	File
	2 8601
Date	Anning Recorder's Report of Work No. 409/85
1986 02 19	409/85

Recorded Holder	
Township or Area RALPH ALLER	STON
BRISTOL TOW	NSHIP
Type of survey and number of	Mining Claims Assessed
Assessment days credit per claim Geophysical	•
Electromagnetic days	
	\$1217.00 SPENT ON ASSAYING SAMPLES TAKEN FROM
Magnetometer days	MINING CLAIMS:
Radiometric days	P.451541-42-43
	515967
Induced polarization days	699056 • 848498
Other days	• 040490
Section 77 (19) See "Mining Claims Assessed" column	
Geological days	
Geochemical days	81 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN
Man days 🗍 🔹 Airborne 🗌	ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.
	K.S.U. 1900.
Special provision Ground	
Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections	
to work dates and figures of applicant.	
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o credits have been allowed for the following mining cl	aims
not sufficiently covered by the survey	insufficient technical data filed
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	n order that the total number of approved assessment days recorded on each claim does no

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of Northern Development and Mines

	File
	2.8601
Date	Mining Recorder's Report of Work No.
March 26,1986	409/85, 62/86

ownship or Area RALPH ALLERST	ON
BRISTOL TOWNS	HIP
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Radiometric days	413423
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	451541-42-43-44-48 453999
Other days	453999
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udys	848498
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Special provision	
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Credits have been reduced because of corrections	IN ACCORDANCE WITH SECTION 76(6) OF THE MINING
to work dates and figures of applicant.	ACT R.S.O. 1980.
pecial credits under section 77 (16) for the following mi	ning claims
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Feb. 17/86	corded Hotel or sent (Si	gnature)	1105	Date Approved	as Recorded	Branch Dire	ctor	
ertification Verifying Repo			·					
I hereby certify that I have a or witnessed same during and	personal and intimate kno /or after its completion ar	weage of the	e facts set fo	orth in the Report i	of Work annex	ed hereto, ha	aving performed t	he work
lame and Postal Address of Pers	ion Certifying							
Anthony J. Deevy		267:	7946	Data Carrit		10		
107 Wilson Ave.;	Timmins, Ont.	P4N 2	S8	Date Certified Feb. 17/	86	Certified by	(Sree Stree)	
52 (81.9)						1 all	1 7/2	

107 Wilson Avenue Timmins, Ontario P4N 2S8

February 17, 1986

REFERENCE: 2.8601

Ms. Susan Hurst Mining Lands Section Ministry of Northern Development & Mines Witney Block, 6th Floor Queen's Park Toronto, Ontario M7A IW3

Dear Ms. Hurst:

The enclosed copy of a work report with the attached photocopies of cancelled cheques is in support of an application for 1105 days credits relating to the analytical cost of \$16,587.93 for the Humus Geochemical Program carried out during the summer of 1985 in Bristol Township. A Report of Work has also been deposited with the Mining Recorder at Timmins.

The results of this survey are plotted on Plan 3 of the geotechnical report submitted last fall and coded 2.8601.

Yours sincerely, Anthony J. Deevy Project Geologist

AJD/1f Encl.

RECEIVED

FEB 21 1986

MINING LANDS SECTION

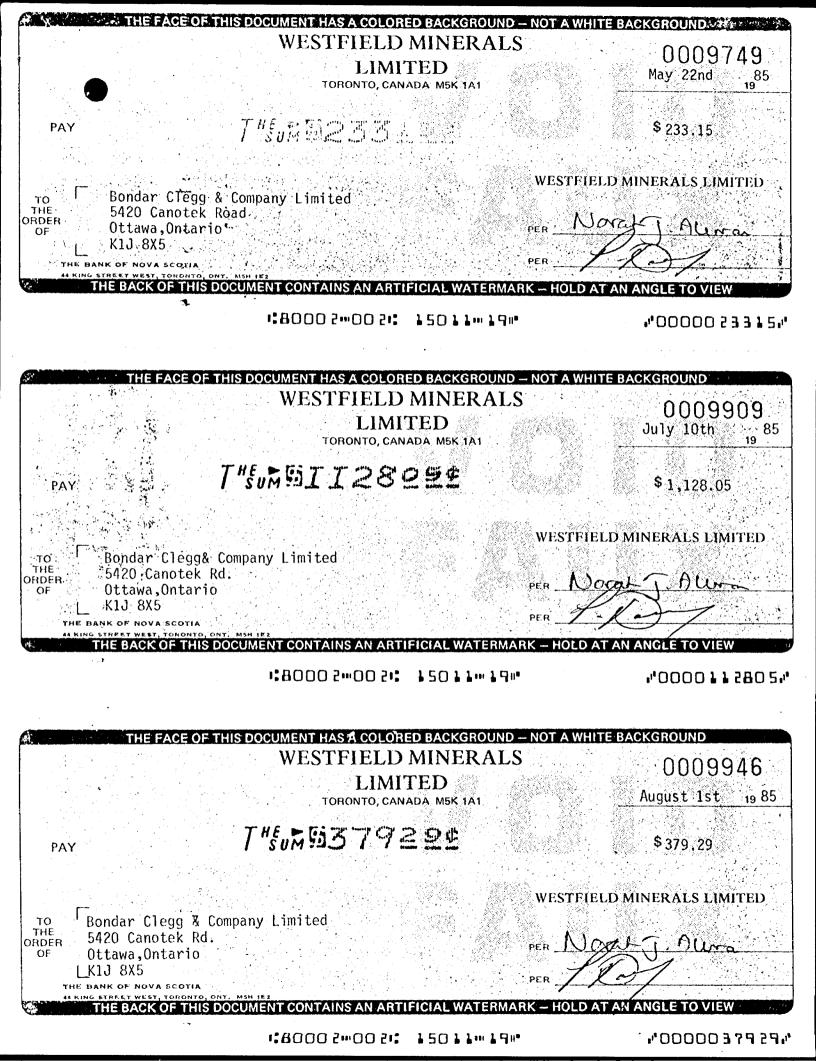
Natural Resources (Geo	oort of Work ophysical, Geological, chemical and Expendi	tures)	Minin		_ Note: _	Please type or print. If number of mining claims traversed exceeds space on this form, attach a list. Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. Do not use shaded areas below.			
Type of Survey(s)				y ACI	Township c		shaded areas below	N	
Claim Holder(s)	eochemical Ana E. Allerston	lysės			Bri		's Licence No. 613		
	ne N.; Timmin:	s. Ontar	rio P41	619					
Survey Company		o, oncu		Date of Survey	(from & to)	···· [·	Total Miles of line	Cut	
Westf1	eld Minerals L	imi ted			85 10 1	0 85			
Name and Address of Author (o			T d d .						
Anthony J. Deevy	-			ns, Ontario	P4N 2S8				
Credits Requested per Each (Special Provisions	Γ	Days per	provide the second s	Claims Traversed (Mining Claim	Expend.		nce) ining Claim	Expend,	
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	Geochemical		< · · · ·	848196	60				
Man Days	Geophysical	Days per Claim		806243	40				
Complete reverse side	- Electromagnetic			806244	40				
and enter total(s) here									
	- Magnetometer			806245	40				
	- Radiometric			848498	60				
	- Other			699065	40				
	Geological			699066	40			1 m 1	
	Geochemical			1					
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		Claim		699068	40			· · · · · · · · · · · · · · · · · · ·	
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	Badiometric								
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Type of Work Performed	<u> </u>			783006	40				
Geochemical Anal	yses			783007	40				
Performed on Claim(s) 699055, 699058,	600050 at al		ł	783008	40				
033033, 033030,	099059 et al.			781399	40				
					40				
Calculation of Expenditure Day	s Credits	Total		781400					
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Instructions						report of		L7	
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Date Re	corded Heter Orgent (Signature)		Date Approved	as Recorded	Branch Di	rector		
Feb. 17/86	1 De	17							
Certification Verifying Repo	ort of Work	\Rightarrow	L						
I hereby certify that I have a	personal and intimate k	•			of Work annex	ked hereto,	having performed	the work	
or witnessed same during and Name and Postal Address of Per		and the anne	exed report i	s true.		.			
Anthony J. Deevy							/		
			•••••	Date Certified		Certified	Signer (re)_		
107 W11son Ave.;	Timmins, Ont.	PAN	258	Feb. 17/	86		K ser	2	
1362 (81/9)								<u></u>	

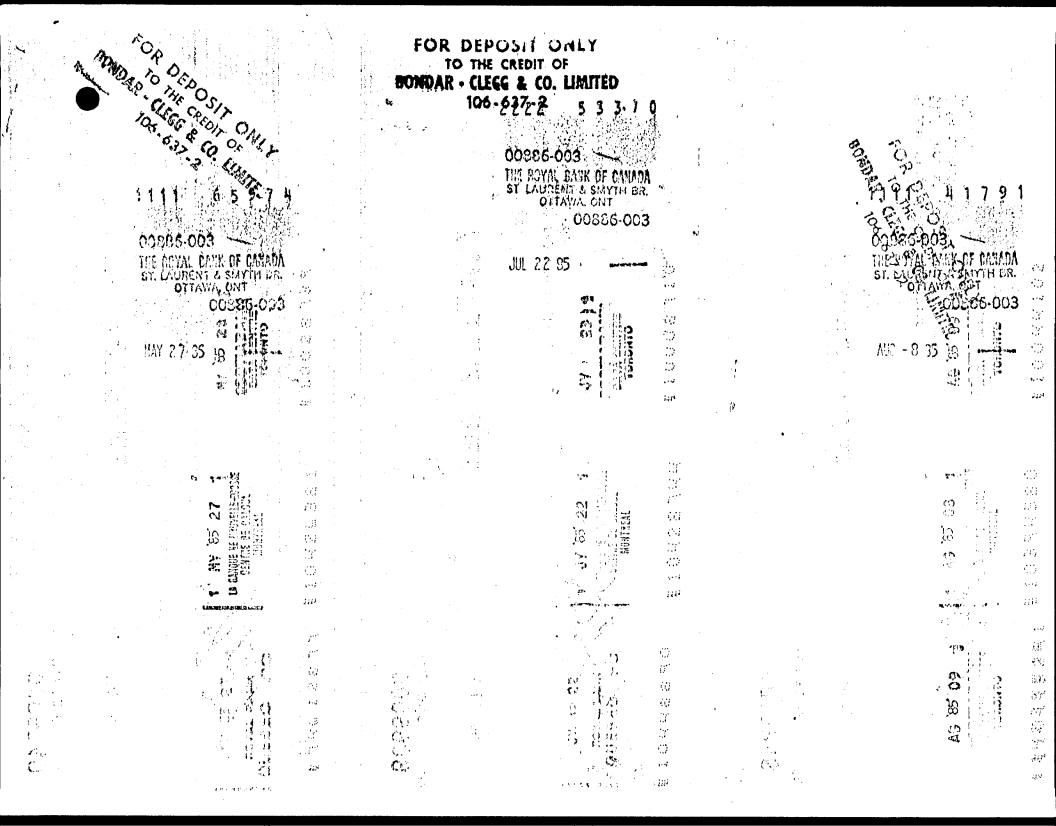
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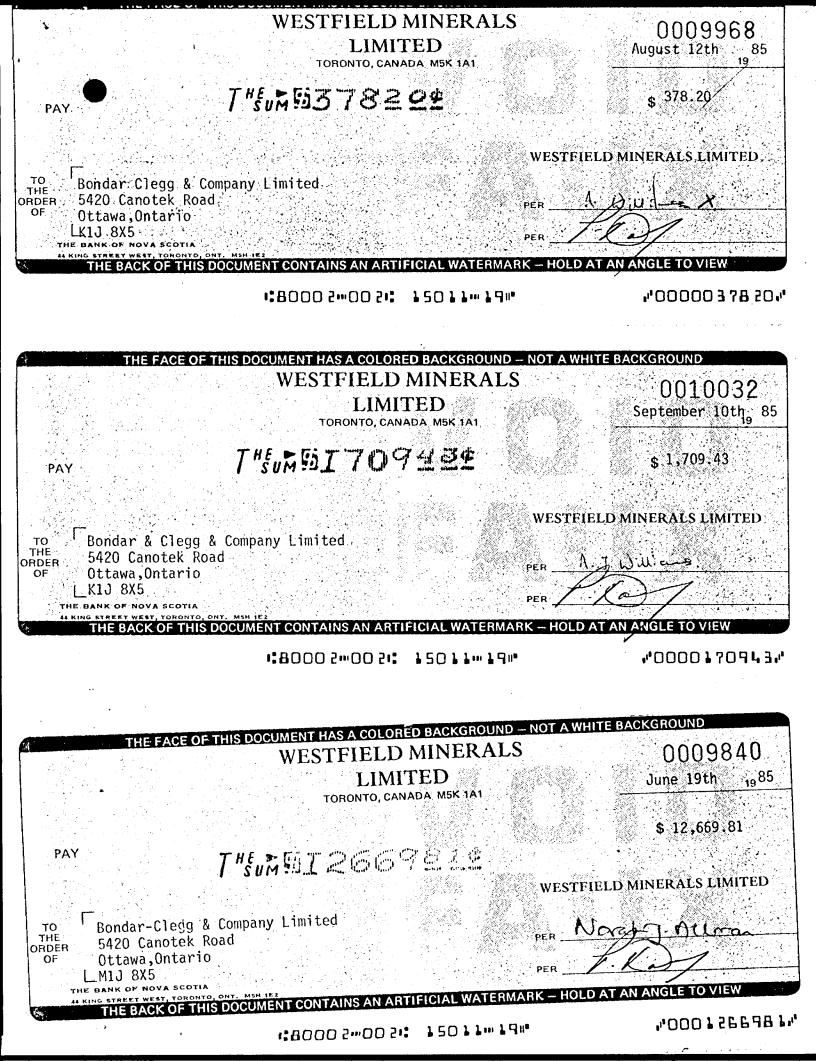
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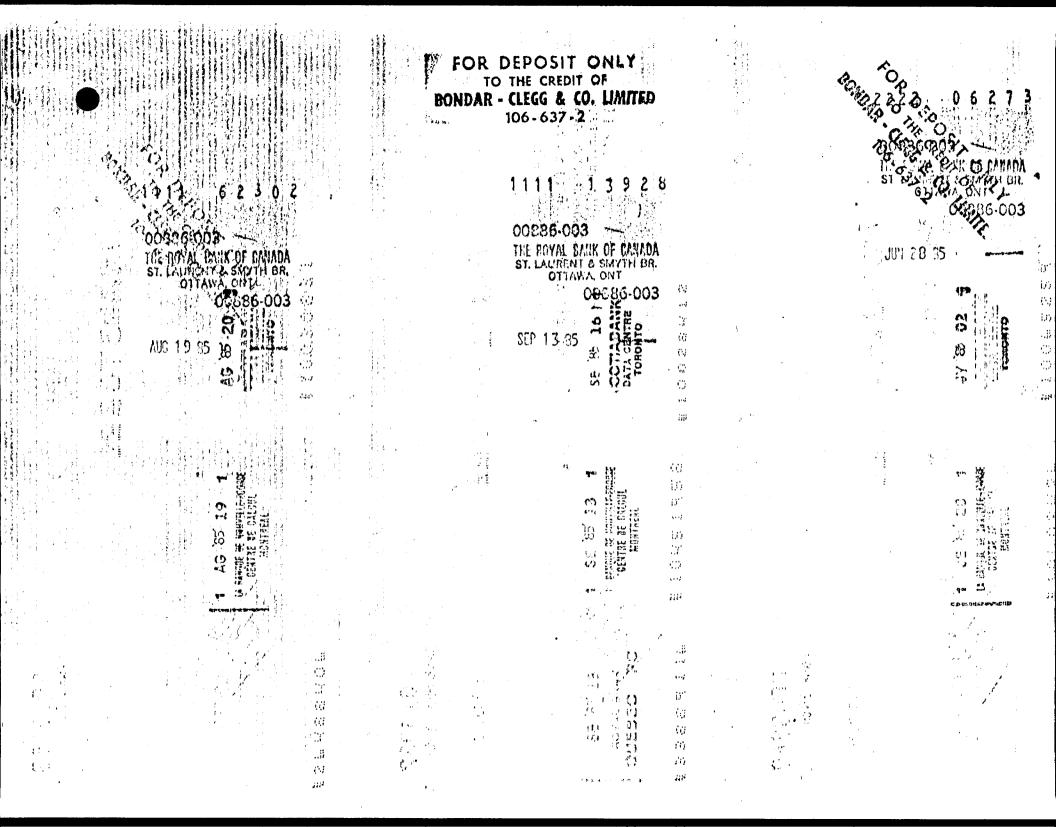
Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey													
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Type of Survey												9 <u></u>	
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The FACE OF THIS DOCUMENT HASA COLORED BACKGROUND - NOT A WHITE BACKGROUND WESTFIELD MINERALS LIMITED TORONTO, CANADA M5K 1A1 PAY TO TO TO Bondar-Clegg & Company Limited OF Bondar-Clegg & Company Limited OF Glous ter, Ontario K1J : 8X5 HE DOCUMENT HASA COLORED BACKGROUND - NOT A WHITE BACKGROUND UESTFIELD MINERALS OF Glous ter, Ontario K1J : 8X5

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

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February 19, 1986

Your File: 409/85 Our File; 2.8601

Mining Recorder Ministry of Northern Development and Mines 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Sir:

RE: Assaying submitted under Section 77(19) of the Mining Act RSO 1980, on Mining Claims P 451541, et al, in Bristol Township

The enclosed statement of assessment work credits for assaying expenditures has been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt, Director Land Management Branch

Mining Lands Section Whitney Block, 6th Floor Queen's Park Toronto, Ontario M7A 1W3

Telephone: (416) 965-4888

SH/mc

cc: Resident Geologist Timmins, Ontario Ralph Allerston 543 Pine North Timmins, Ontario P4N 6L9 Anthony J. Deevy 107 Wilson Avenue Timmins, Ontario P4N 258

Encl.



Ministry of Northern Development and Mines

	File
	2.8601
Date	Mining Recorder's Report of Work No.
March 7, 1986	409/85, 62/86

Recorded Holder RALPH ALLERS	TON
Township or Area BRISTOL TOWN	
Type of survey and number of	Mining Claims Assessed
Assessment days credit per claim	Mining Claims Assessed
Electromagnetic days	\$17,804.93 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:
Magnetometer days	P 413232•
Radiometric days	413423 444487-89-94-95-96
Induced polarization days	4515 41-42-43-44-48 453999•
Other days	454000 • 479503 •
Section 77 (19) See "Mining Claims Assessed" column	480318* 522040-
Geological days Geochemical days	525965 to 969 inclusive. 699055 to 060 inclusive. 8484 96- 98
Man days Airborne	040 430-30
Special provision	1186 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED
Credits have been reduced because of partial coverage of claims.	IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.
Credits have been reduced because of corrections to work dates and figures of applicant.	
Special credits under section 77 (16) for the following mi	ning claims
No credits have been allowed for the following mining cla	
not sufficiently covered by the survey) insufficient technical data filed

I ne Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does no exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

Ministry of Rep	oort of Work				tructions: –	Please typ	e or print.	Dec. 2
V Resources	ophysical, Geological, chemical and Expendi	tures)	Hining	10/85 Ins 2860 1	 Note:	exceeds sp Only day "Expendit in the "I	of mining clair ace on this form, s credits calcula ures" section ma Expend. Days Cr	attach a list. ated in the y be entered r." columns.
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Ralph Allersto	on					M136	513	
ddress 543 Pine N.;	Timmins, Ontar	io P4N	6L9	Date of Survey	(from P. to)		Total Miles of line	
Westfield Mine	erals Limited					JQ 85		
	evy: 107 Wilso			nins, Ontari	0 P4N 2	S8		
edits Requested per Each pecial Provisions	1	ight Days per		aims Traversed (L	_ist in nume		ence) lining Claim	Expend.
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using the same grid: Enter 20 days (for each)	- Other			699058				•
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and enter total(s) here				848498	 		 	
	- Magnetometer							
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choice. Enter number of da in columns at right.	ys credits per claim selec	ted	Total Day Recorded	s Cr. Date Recorded		Minnes	efficier	1
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Certification Verifying Rep	port of Work		L	Q.			10	· · · · · · · · · · · · · · · · · · ·
I hereby certify that I have or witnessed same during a	nd/or after its completion	knowledge of and the appr	the facts set exed report i	forth in the Report s true.	of Work anno	exed hereto	, having performed	d the work
Name and Postal Address of Pr Anthony J. Deevy							~	/
an a		B 1 1 1 1 1 1		Date Certified		Certified	by in that	77/
107 Wilson Ave.: 362 (81/9)	limmins, Ont.	P4N 2S8	3	0ct. 10)/85	\bot	A H	12
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Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey GEOCHEMICAL		······	
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Technical Days X 7 =	Technical Days Line-cuttl Credits Days		lo. of Days per Claims Claim
Type of Survey			
Technical Days X 7 =	Technical Days Line-cutti Credits Days		No. of Days per Claims Claim
C. L	Laws Harney LeBarren Deevy	Field	
	Franolla Deevy	Drafting & Report	

Natural Resources (Ge Geo	port of Work ophysical, Geological, ochemical and Expendi	tures)	# *	4/1/	d.	Note:	If numbe exceeds sy Only day "Expendi in the " Do not us	be or print. In of mining cla bace on this form ys credits calcu tures'' section ma Expend. Days C e shaded areas bel	, attach a list lated in the ay be entered Cr.'' columns
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	A	<u> </u>		\cap				or's Licence No.	
	lerston — N	Jola	.n	00	<u>مـ</u>		M	13613	
Address 513 Pine	N.: Timmins, C	ntario	ΡΔ						
Survey Company	<u></u>	1100			Date of Survey			Total Miles of lin	ne Cut
Westfiel Name and Address of Author (d Minerals Ltd.				Bay MG		I.Q. 8,5.		
Anthony J. Deev		venue;	Ti	mmins,	Ontario P4	4N 2S8			·.
redits Requested per Each	· · · · · · · · · · · · · · · · · · ·				ims Traversed (· · · · · · · · · · · · · · · · · · ·	erical sequ	ence)	
Special Provisions	Geophysical	Days per Claim		Mir Prefix	ning Claim Number	Expend. Days Cr.	Prefix	Vining Claim	Expend. Days Cr.
For first survey:	- Electromagnetic	20		P	848504				
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	Geological			1-12 (344) 					
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and enter total(s) here									
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	 Radiometric 			800000					-
	- Other						NhV _		
	Geological			an a				4 1985	
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Airborne Credits		Days per		-				1	
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to Airborne Surveys	Magnetometer				4000				
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Type of Work Performed									иц
Performed on Claim(s)			1			11		NOV - 1	
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in columns at right.				Total Days Recorded	Cr. Date Recorde		Mining	Collins .	los D
Date	Recorded Harder Agent	(Signature)	٦	11	Nau Date Approve		d Branch	Actor ·	<i>Y</i>
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Certification Verifying Re	port of Work	=		5.		· · · · · · · · · · · · · · · · · · ·	-		
I hereby certify that I have	a personal and intimate i					t of Work and	nexed hereto	o, having perform	ed the work
or witnessed same during a Name and Postal Address of F		i ane-me an	mex	eu report is					
Anthony J. Dee								~	1
107 Wilson Ave	.; Timmins, Ont	: P4N	25	8	Date Certifie	0/85	Certifie	a by is grant	77/
1362 (81/9)	• 5 • • • • • • • • • • • • • • • • • •		'	~				A CH	\leq

107 Wilson Avenue Timmins, Ontario P4N 2S8

February 6, 1986

REF: 2.8601

Ms. Susan Hurst Mining Lands Section Ministry of Northern Development and Mines Whitney Block 6th Floor Queen's Park Toronto, Ontario M7A IW3

RECEIVED

FEB 1 2 1095

MINING LANDS SECTION

Dear Ms. Hurst:

Thank you for your help in our telephone conversations.

Attached are the completed forms as requested with the man days break-down for each individual who worked on the geochemical survey. The total number of technical days comes to 121. As geochemical credits are only being claimed for seven of the claims in the block shown on Plan 3 of the technical report, one third of this figure (on the basis of area) is thought applicable.

Yours sincerely,

Lan Anthony J. Deevy

Project Geologist



Ministry of

and Mines

1.	Type of SurveyGeochemical
2.	Township or Area _Bristol_Township
3.	Numbers of Mining Claims Traversed by Survey Assessment Credits Claimed for seven

4.	Number of Miles of Line Cut NONE Flown NONE
*5,	Number of Stations Established
*6.	Make and type of Instrument Used NIL
*7.	Scale Constant or Sensitivity NIL
*8.	Frequency Used and Power Output NIL
9.	Summary of Assessment Credits (details on reverse side) Total 8 hour Technical Days (Include Consultants, Draughting etc.) <u>40.3</u> Total 8 hour Line-Cutting Days <u>NONE</u>
	Calculation
	$\frac{40}{\text{Technical}} \times 7 = \frac{280}{\text{Line-cutting}} + \frac{280}{\text{Line-cutting}} = \frac{280}{\text{Number}} \div \frac{7}{\text{Number}} = \frac{40}{\text{Assessment credits}}$
	The dates listed on this form represent working time spent entirely within the limits of the above listed claims Check If otherwise, please explain The dates listed amount to 121 technical days
	for the whole geochemical survey of which 40.3 are deemed applicable to the claims
	listed above.
	Dated: February 6, 1986 Signed:
	-

Note: (A) * Complete only if applicable. Complete list of names, addresses and dates on reverse side. (B)

- (C) Submit separate breakdown for each type of survey.
 - (D) Submit in duplicate.

FIELD WORK

			Number of
Type of Work	Name & Address	Dates Worked	8 hour days
GEOCHEMICAL SAMPLING	CLANCY LEBARON	(as per attached page)	15
GEOCHEMICAL SAMPLING	GREGG LAWS		18
GEOCHEMICAL SAMPLING	DAVE HARNEY	II II	29
GEOCHEMICAL SAMPLING	ANTHONY DEEVY		28
CONSULTANTS			
			Number of
Name & Address	Dates Worked (specify	in field or office)	8 hour days
DRAUGHTSMAN, TYPING, OT	CHERS (specify)		
Name & Address	Type of Work	Dates Worked	Number of <u>8 hour days</u>
ANTHONY DEEVY	REPORT PREPARATION	(as per attached page)]4
LINDA FRANOLLA	TYPING & REPORT PRE	PARATION (as per attached pg)8
RODEL ORTIZ	DRAFTING	II II	
		TOTAL 8 HOUR TECHNICAL DAY	rs 121
LINE-CUTTING			

LINE-CUTTING

Number of

Name	Address	Dates Worked	<u>8 hour days</u>

TOTAL 8 HOUR LINE-CUTTING DAYS



Clancy LeBarron 91 2nd Avenue Smooth Rock Falls	May 13 to May 27 (Inc.)	15
Gregg Laws P.O. Box 2145 Station P Thunder Bay, Ontario	May 13 to May 30 (Incl)	18
Dave Harney	May 13 to June 2 (Incl)	21
94 Prospect Ave.	June 25	1
Kirkland Lake, Ont	July 2, 3, 6, 8, 9, 10, 15	7
Anthony Deevy	May 2, 3, 6, 7, 9, 13-16 (Incl)	10
107 Wilson Avenue	June 3, 4, 11, 14, 15, 17, 21, 24	8
Timmins, Ontario	July 2, 3, 6, 8-10, 15, 18-20 (Inc)	10

DRAUGHTSMAN, TYPING, OTHERS

Anthony Deevy 107 Wilson Avenue Timmins, Ontario Aug. Sept Oct.	12, 13, 26, 27, 28 . 10, 11, 12, 18, 23 8, 9, 10, 11	5 5 4
Linda Franolla 75 Maple N. Timmins, Ontario Sept Oct.	. 10, 12, 19, 20, 23 10, 11, 15	5 3
Rodel Ortiz 502-1050 Broadview Ave. Toronto, Ontario Aug. Sept	26, 27, 28, 29, 30	5 4
тота	L 8 HOUR TECHNICAL DAYS	121

January 29, 1986

File: 2.8601

.

Mr. Anthony J. Deevy 107 Wilson Avenue Timmins, Ontario P4N 2S8

Dear Sir:

RE: Geochemical Survey submitted on Mining Claims P 699055, et al, in Bristol Township

With reference to your letter of January 14, 1986 enclosed are two copies of the Man-days Breakdown forms. Please complete both copies and return them to this office, quoting file 2.8601.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt, Director Land Management Branch

Mining Lands Section Whitney Block, 6th Floor Queen's Park Toronto, Ontario M7A 1W3

SH/mc

cc: Mining Recorder Timmins, Ontario #409,410 & 411

Encl.

Mr. Ralph Allerston 543 Pine Street North Timmins, Ontario P4N 6L9



Ministry of Natural Resources

M21 186 1985 12 18 File: 2.8601 PREPARE REPLY COMMENTS PLEASE RECEIVED S. E. YUNDT J. R. MORTON Mr. Ralph Allerston JAN 2 1 1225 J. C. SMITH 543 Pine Street North, W. P. DROOK Timmins, Ontario MINING LANDS SECTION M. J. HOGAN P4N 6L9 D. W. SCOTT S. KEEN Dear Sir: Return To: R.6643 Geophysical (Electromagnetic) and Geochemical RE: Survey and Data for Assaying submitted on Mining <u>Claims P 699055 et al Bristol Township.</u> Ja- 14 In order to complete the geochemical portion of the above-No form the attracted form one g trust for Successed mentioned survey, please complete the enclosed "Man-Days" breakdown form (in duplicate) and return them to this office quoting File 2.8601.

RECEIVED LAND MANAGEMENT BRANCH

For further information, if required, please contact Susan Hurst at (416) 965-4888.

Yours sincerely,

iche Me

.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-4888

- SH:bc
- ċ Encl.
 - cc: Mining Recorder Timmins, Ontario #410, 411, 409
 - Mr. Anthony J. Deevy cc: Timmins, Ontario



Ministry of Natural Resources

1985 12 18

File: 2.8601

Mr. Ralph Allerston 543 Pine Street North, Timmins, Ontario P4N 6L9

Dear Sir:

RE: Geophysical (Electromagnetic) and Geochemical Survey and Data for Assaying submitted on Mining Claims P 699055 et al Bristol Township.

In order to complete the geochemical portion of the abovementioned survey, please complete the enclosed "Man-Days" breakdown form (in duplicate) and return them to this office quoting File 2.8601.

For further information, if required, please contact Susan Hurst at (416) 965-4888.

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Phone:(416)965-4888

SH:bc Encl.

- cc: Mining Recorder Timmins, Ontario #410, 411, 409
- cc: Mr. Anthony J. Deevy Timmins, Ontario

1985 11 15

¥11e: 2.8601

Mining Recorder Ministry of Northern Affairs and Mines 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Str:

Me received reports and maps on November 6, 1985 for Geophysical (Electromagnetic) Geological and Geochemical Surveys submitted under Special Provisions (credit for Performance and Coverage) and Data for Assaying on Mining Claims P 699055, et al. in Bristol Township.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with your office prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-4888

AB/mc

cc: R. Allerston 322 Elm Street North Timmins, Ontario P4N 6B2



GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) <u>VLF EM</u>	
Township or Area Bristol	
Claim Holder(s) R. E. Allerston	MINING CLAIMS TRAVERSED List numerically
Survey Company	(prefix) (number)
Author of Report	(prefix) (number)
Address of Author	848504
Covering Dates of SurveyJune 26/35 - Oct. 10/85 (linecutting to office)	048004
Total Miles of Line Cut	848505
	848506
SPECIAL PROVISIONS CREDITS REQUESTEDDAYS per claim ElectromagneticENTER 40 do(i - 1 - 1)	
ENTER 40 days (includes line cutting) for first —Magnetometer	
survey. –Radiometric	
ENTER 20 days for each –Other	
additional survey using Geological	
same grid. Geochemical	
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	
MagnetometerElectromagneticRadiometric (enter days per claim)	
DATE: SIGNATURE:Author of Report or Agent	
Res. Geol Qualifications	DOMESTREES FOR BOARS ON
Previous Surveys File No. Type Date Claim Holder	DECELVEN
	NOV 1985
·····	
	TOTAL CLAIMS3

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey Number of Stations 293	
Number of Stations 293 Number of Readings 293	
Station interval 50'Line spacing400'	
Profile scale $1/10" = 10\%$	
Contour interval	
Unstrument	
Accuracy – Scale constant Diurnal correction method Base Station check-in interval (hours)	· · · · · · · · · · · · · · · · · · ·
Diurnal correction method	
Base Station location and value	•
Geonics Itd EM 16 Sovial No. 16000	
Instrument <u>Geonics Ltd. EM 16 Serial No. 16890</u> Coil configuration Coil separation Accuracy Method: XX Fixed transmitter	
Coil configuration	
Coil separation	
Accuracy	
Method: K Fixed transmitter Shoot back In line] Parallel line
Frequency Seattle 24.8 kHz (specify V.L.F. station)	
Parameters measured Inphase Dip Angle and Quadrature	
Instrument	
Scale constant	
Corrections made	<u></u>
Corrections made	
Base station value and location	
Elevation accuracy	
Instrument	
Method	
Parameters – On time Frequency	
Off time Range	
— Delay time	
Delay time Integration time	
- Off third Range Range	
Electrode array	
Electrode spacing	
Type of electrode	

INDUCED POLARIZATION



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SELF POTENTIAL	
Instrument	Range
Corrections made	
S	
RADIOMETRIC	
Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Overburden	
	(type, depth — include outcrop map)
OTHERS (SEISMIC, DRILL W	/ELL LOGGING ETC.)
Instrument	
Accuracy	
Parameters measured	
Additional information (for une	derstanding results)
AIRBORNE SURVEYS	
Type of survey(s)	
Instrument(s)	
Accuracy	(specify for each type of survey)
	(specify for each type of survey)
Navigation and flight path recov	very method
Aircraft altitude	Line Spacing

Miles flown over total area_____Over claims only_____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken_____

Total Number of Samples	ANALYTICAL METHODS				
Type of Sample(Nature of Material) Average Sample Weight		per cent p. p. m. p. p. b.			
Method of Collection	Cu, Pb, Zn, Ni, Co,	, Ag, Mo,	As,-(circle)		
Soil Horizon Sampled	Others		····		
Horizon Development	Field Analysis (tests)		
Sample Depth	Extraction Method				
Terrain					
	Reagents Used				
Drainage Development					
Estimated Range of Overburden Thickness			•		
	Extraction Method	<u> </u>	<u></u>		
	Analytical Method				
	Reagents Used				
SAMPLE PREPARATION	Commercial Laboratory (.		tests)		
(Includes drying, screening, crushing, ashing)					
Mesh size of fraction used for analysis	Name of Laboratory Extraction Method Analytical Method				
• • • • • • • • • • • • • • • • • • •					
	Reagents Used				
	General				
General					

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Ministry of Natural Resources

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s)GEOCHEMI	CAL	
Township or Area Bristol	Twp.	
Claim Holder(s) R. Allers	ton	List numerically
10 00/1001		
Survey CompanyWestfield	d Minerals Limited	
Author of Report A. J. De		(prefix) (number)
Address of Author 107 Wilso		699055
Covering Dates of Survey Ma	y 13/85 - Oct. 10/85 (linecutting to office)	
Total Miles of Line Cut		
		699057
SPECIAL PROVISIONS CREDITS REQUESTED	DAYS per claim,	699058
	Geophysical Floatnomognatic	699059
ENTER 40 days (includes line cutting) for first	-Electromagnetic -Magnetometer	699060
survey.	-Radiometric	848498
ENTER 20 days for each		
additional survey using same grid.	Geological	
Same gria.	Geochemical	
	provision credits do not apply to airborne surveys)	
	nagnetic Radiometric nter days per claim)	
DATE: SIC	GNATURE:Author of Report or Agent	
Res. GeolQ	ualifications 2.7479	DECEIVE
Previous Surveys		
File No. Type Date	claim Holder	NOV - 4 1985
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	•••••	••• TOTAL CLAIMS

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837 (5/79)

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

		GEOTITSIC	AL IECHNICAL DA		, ~ `
G	ROUND SURVEYS	If more than one survey, sp	ecify data for each typ	c of survey	• •
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N	lumber of Stations		Number o	f Readings	
Station interval				-	
			•	-	
			·····		
	Instrument				
MAGNETIC		stant			
IN	•	ethod			
MA	Base Station check-in	interval (hours)			
		and value			
				-	
g	Instrument			· · · · · · · · · · · · · · · · · · ·	
ET	Coil configuration				
CON	Coil separation				
M	Accuracy				
ELECTROMAGNETIC	Method:	Fixed transmitter		🔲 In line	🗆 Parallel line
EC	Frequency				····
EI					
	rarameters measureu				
	Trature or t				
Z					
NI NI					
<u>GRAVITY</u>		l location			
0	Base station value and				
	Elevation accuracy				
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H		ime		<u></u>	······
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RESISTIVITY	8	tion time			
RE					
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	Type of electrode				

INDUCED POLARIZATION

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SELF POTENTIAL

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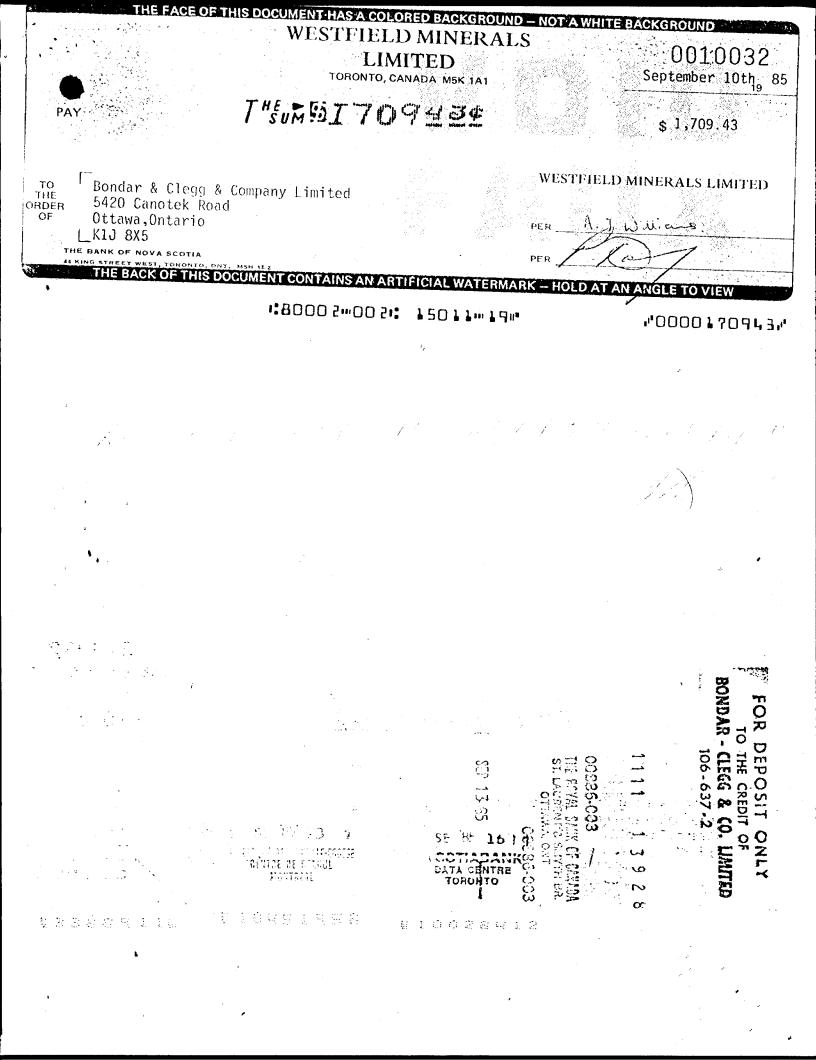
Instrument	Range
Survey Method	
-	
Corrections made	

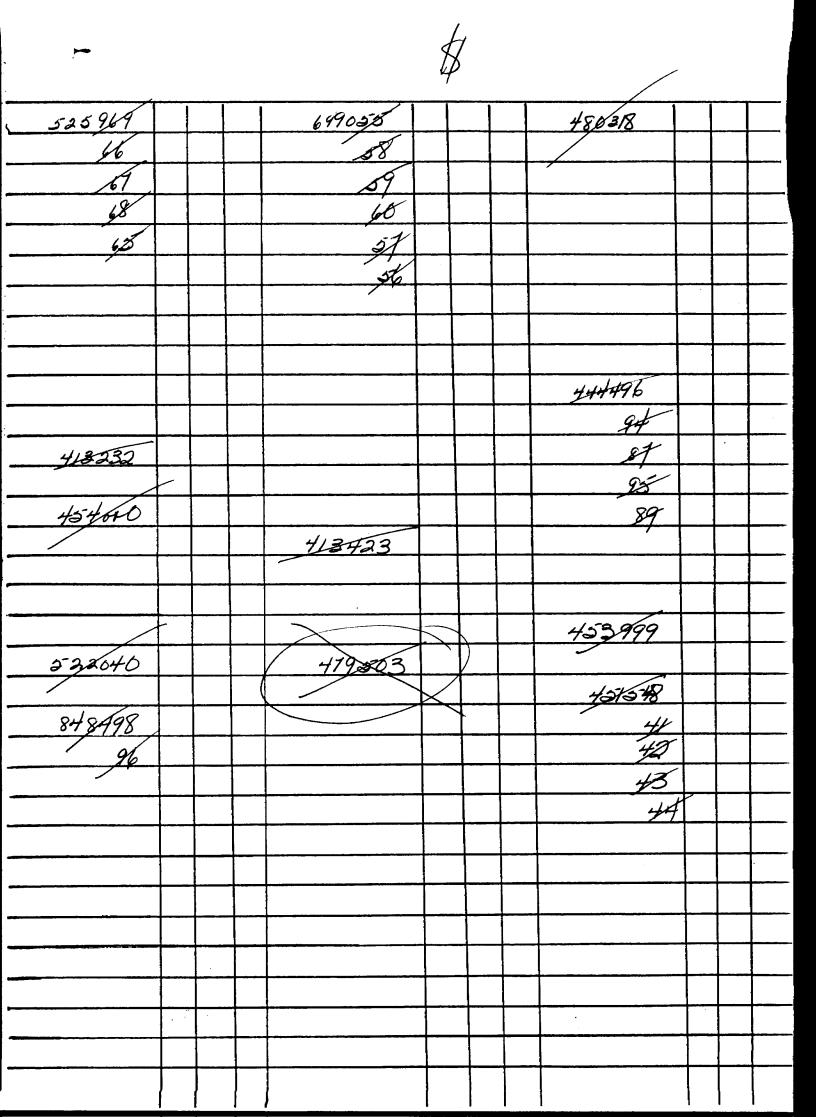
RADIOMETRIC

Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	
(type, dep	th — include outcrop map)
OTHERS (SEISMIC, DRILL WELL LOGGING ET	C.)
Type of survey	
Instrument	
Accuracy	
Parameters measured	
Additional information (for understanding results).	
AIRBORNE SURVEYS	
Type of survey(s)	
Instrument(s)	·····
(specify for Accuracy	or each type of survey)
(specify fo	or each type of survey)
Aircraft used	
Sensor altitude	
Navigation and flight path recovery method	
Aircraft altitude	Line Spacing
Miles flown over total area	Over claims only

Numbers of claims from which samples taken 699055, 699056, 699057, 699058, 699059 699060, 848498

Total Number of Samples 571	ANALYTICAL METHODS
Type of Sample Humus (Nature of Material) Average Sample Weight 6 Ounces	Values expressed in: per cent p. p. m. p. p. b. X
Method of Collection Manual	Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)
Soil Horizon Sampled	Others Au
Horizon DevelopmentGood	Field Analysis (tests)
Sample DepthApprox. 3"	Extraction Method
TerrainFlat	Analytical Method
	Reagents Used
Drainage Development Poor - Moderate	Field Laboratory Analysis
Estimated Range of Overburden Thickness 0 - 80'	No. (tests)
	Extraction Method
	Analytical Method
	Reagents Used
<u>SAMPLE PREPARATION</u> (Includes drying, screening, crushing, ashing) Mesh size of fraction used for analysis <u>- 80#</u>	Commercial Laboratory (<u>571 + Repeats</u> tests) Name of Laboratory <u>Bondar Clegg; Ottawa</u> Extraction Method <u>Fluxing/Fusion</u> Analytical Method <u>Carbon Rod AA</u>
	Reagents Used
General	General

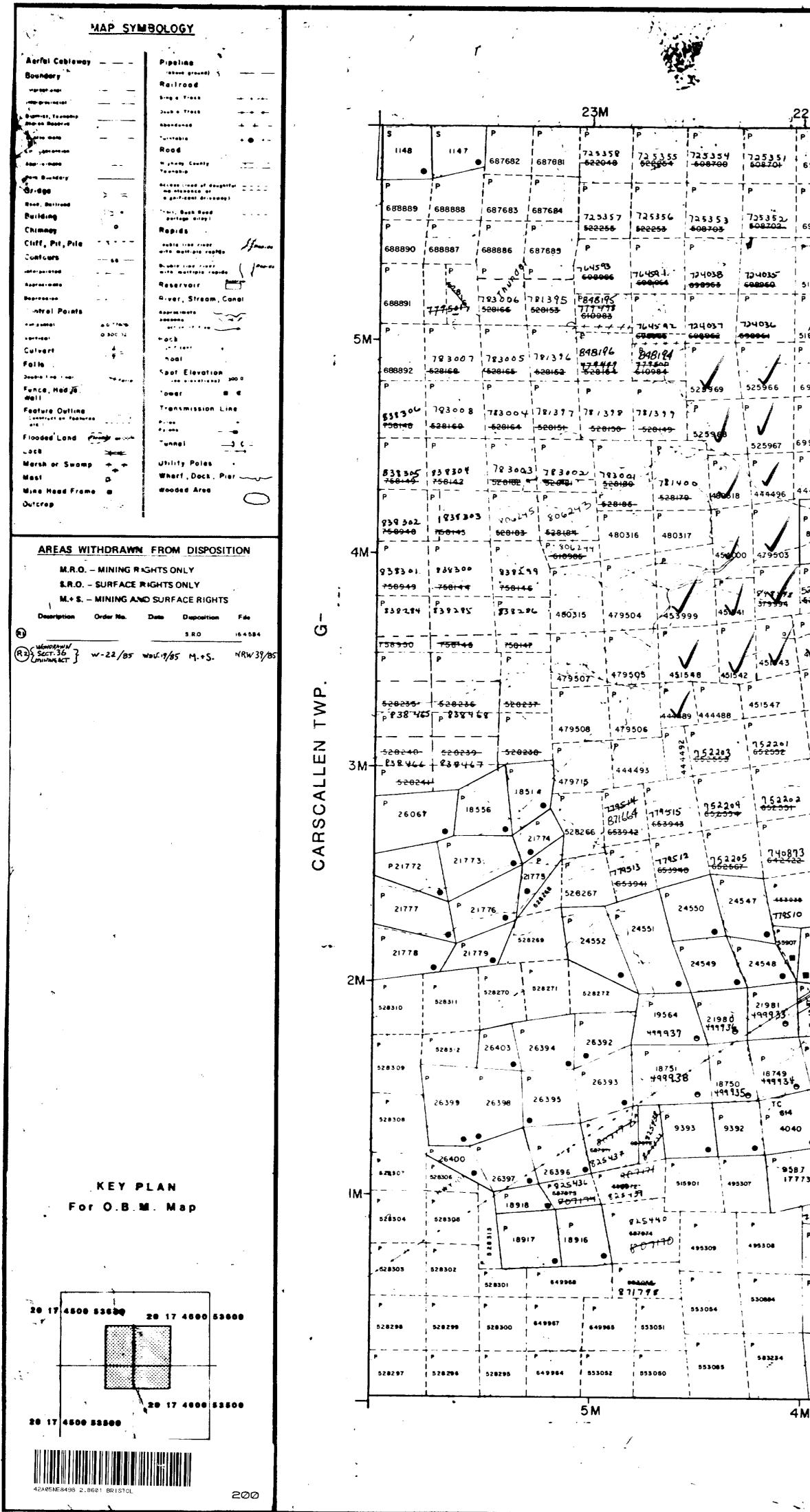




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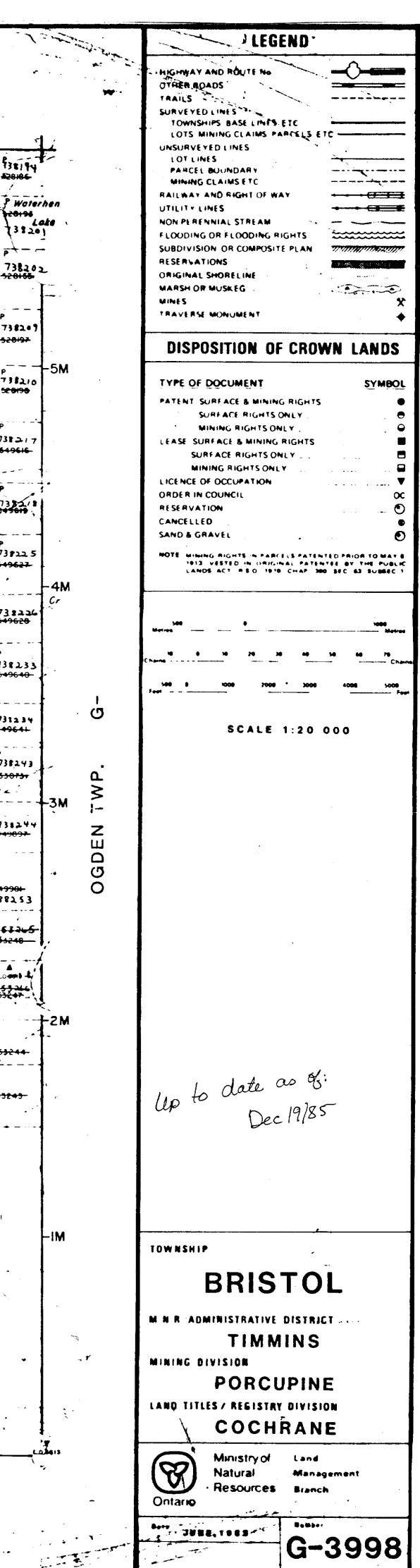
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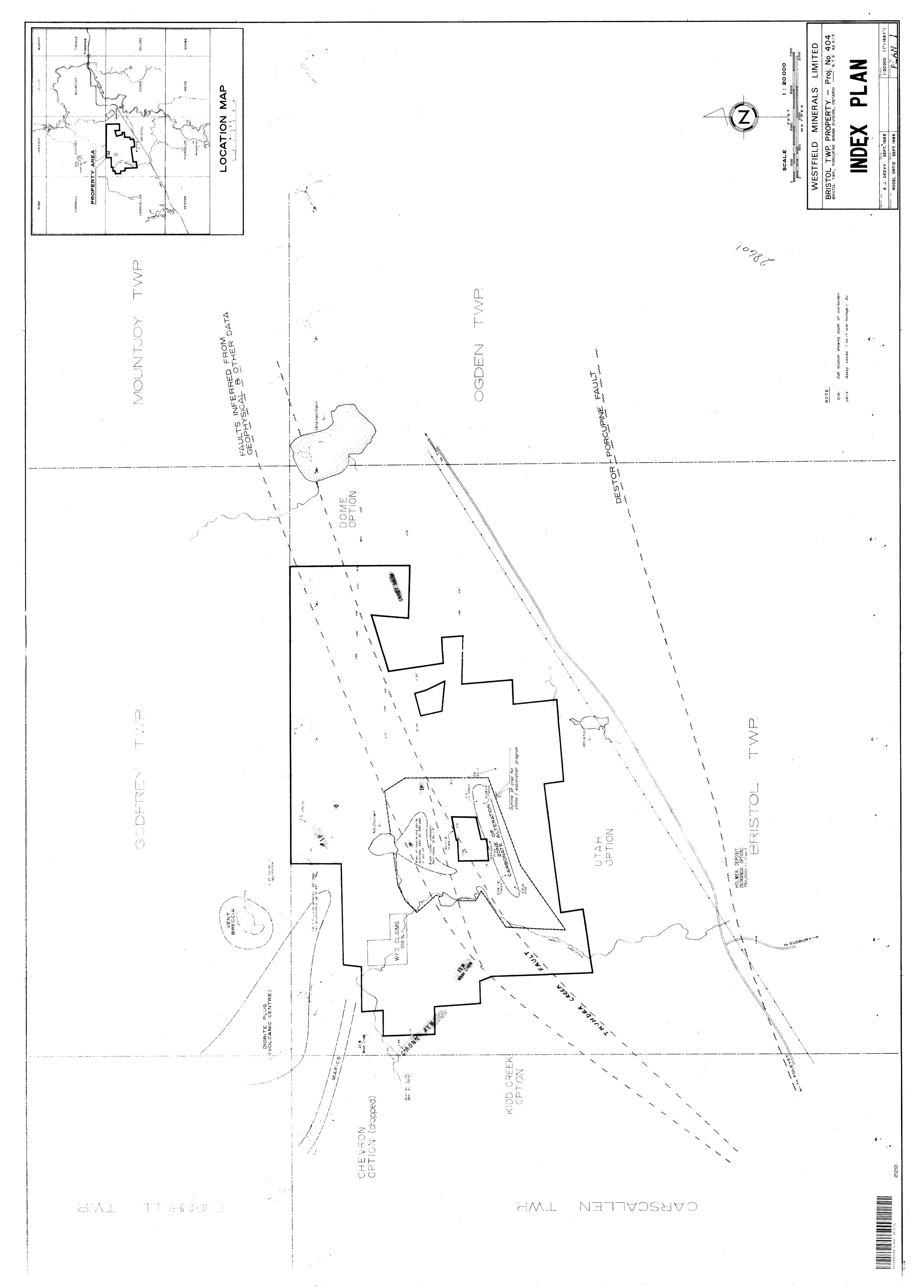
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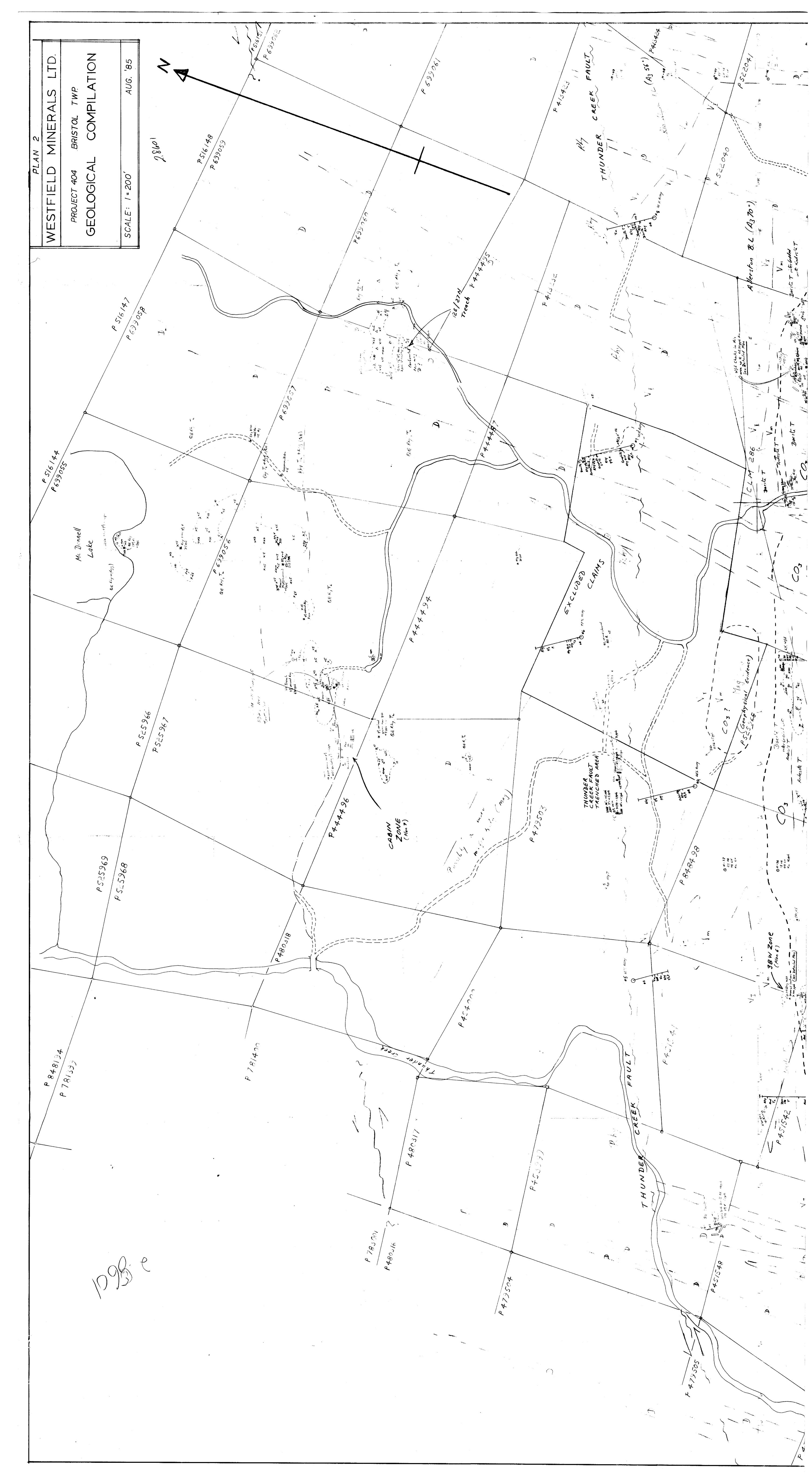
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Outeree Carlos		1		18343+3	yould	5 8062	13 528-81				P	9479	413262	1919-131 C		411-6	15/53	1 2357	V EVESO	P835911	1 835912	 	P 738222	738.2.3	+	73822.5
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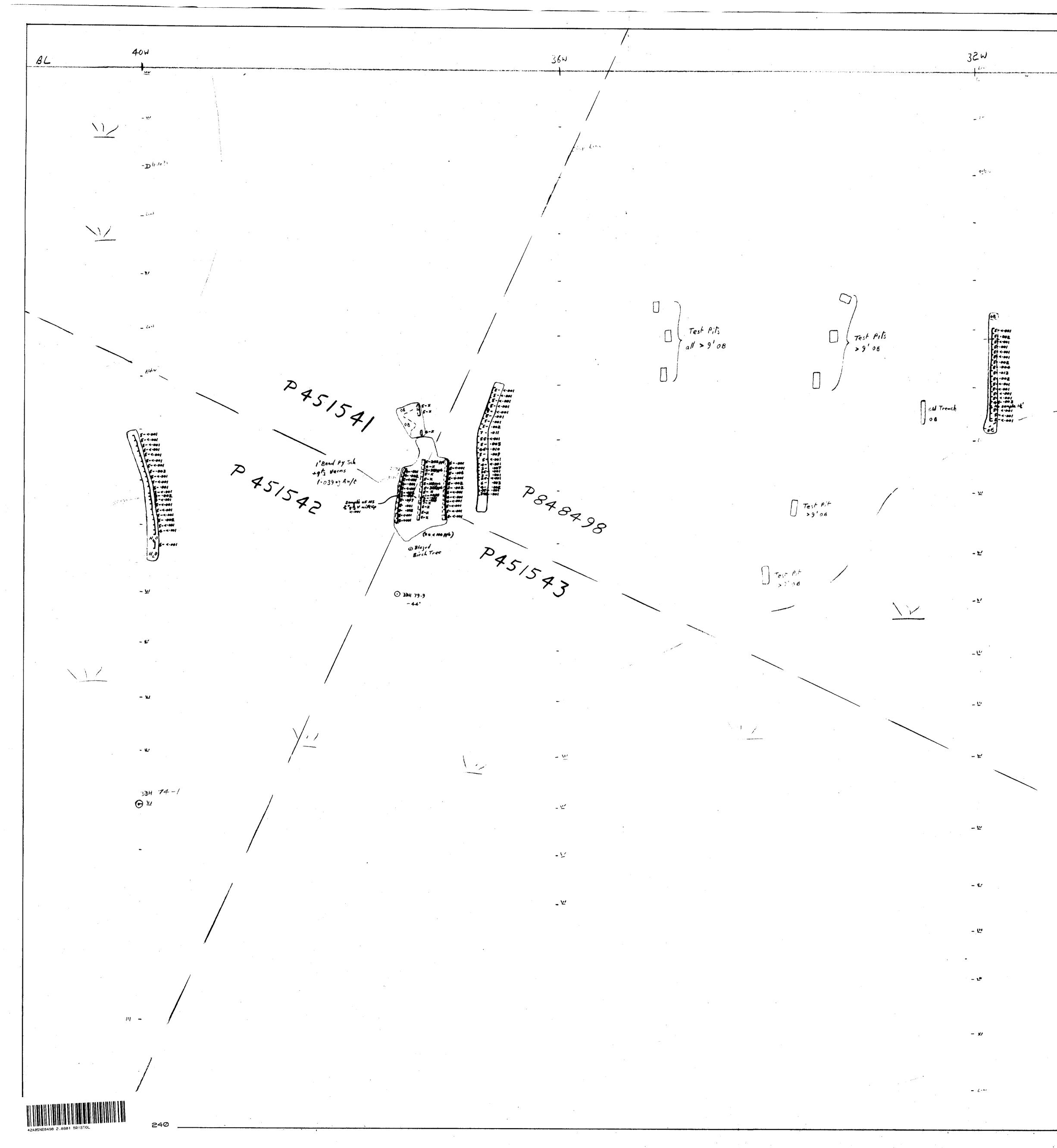
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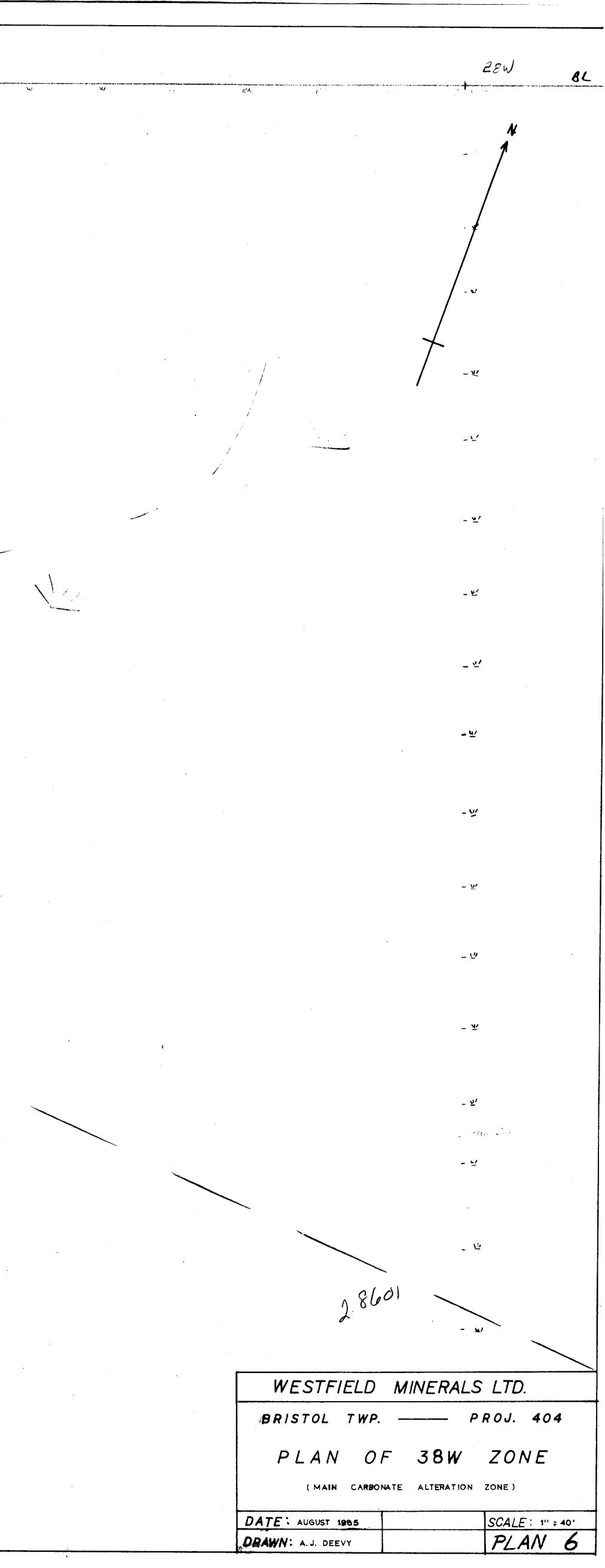
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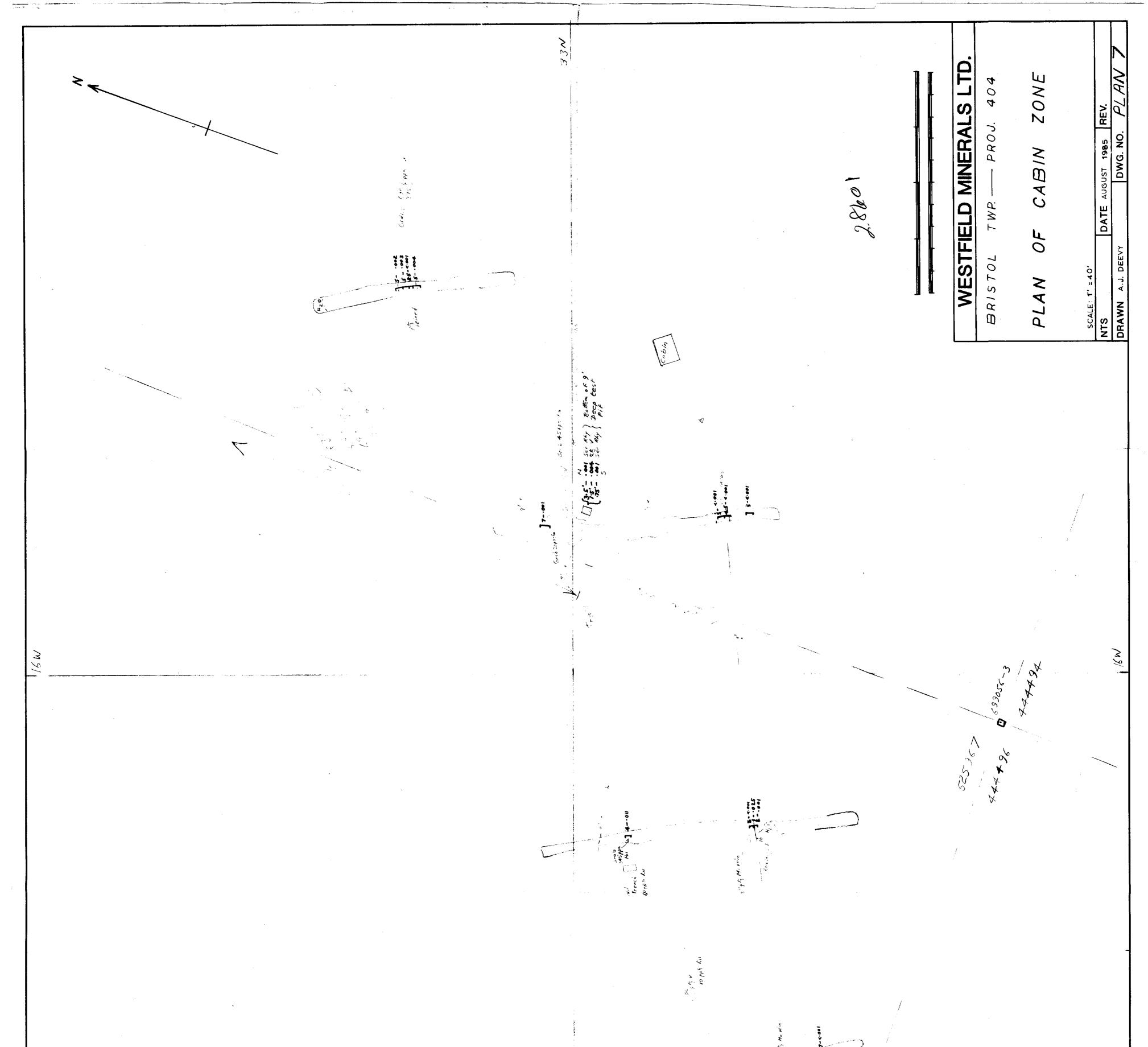
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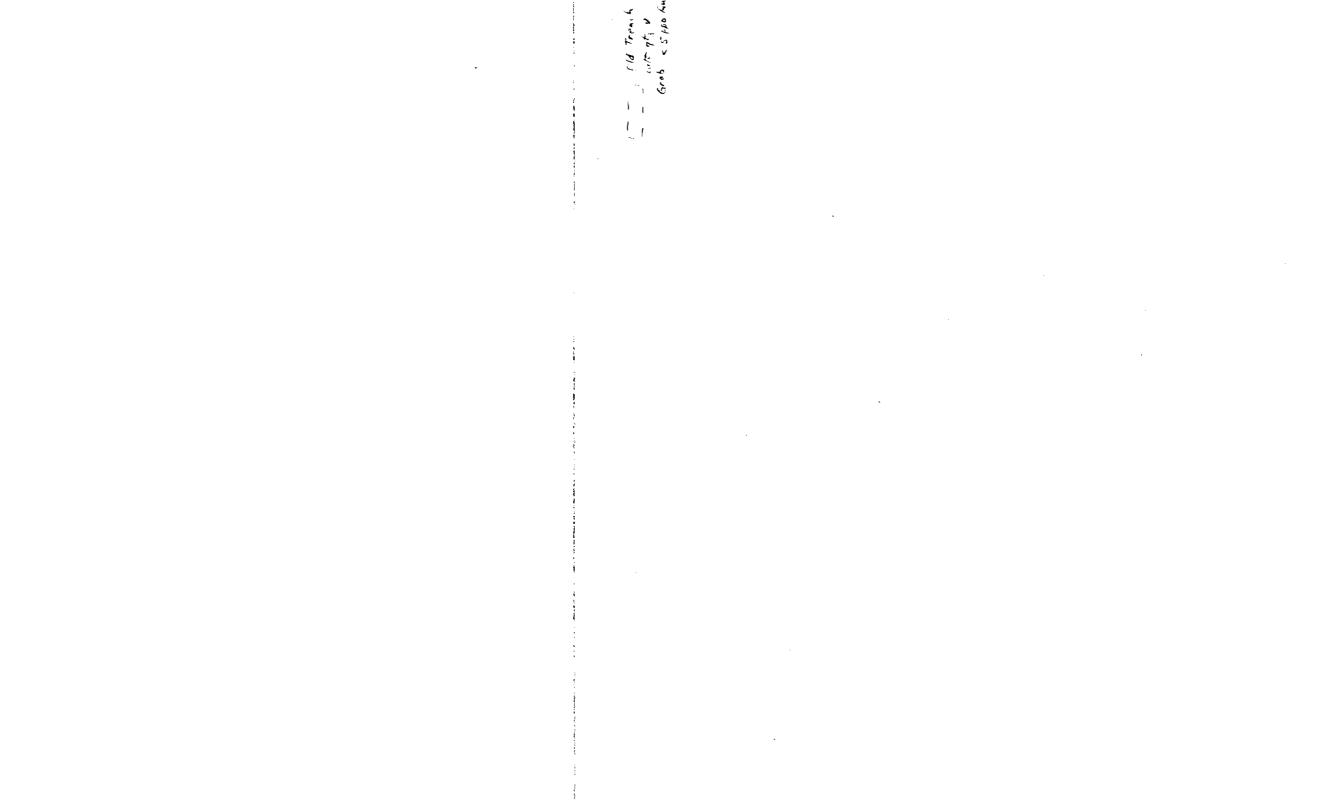




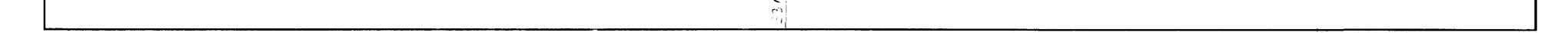


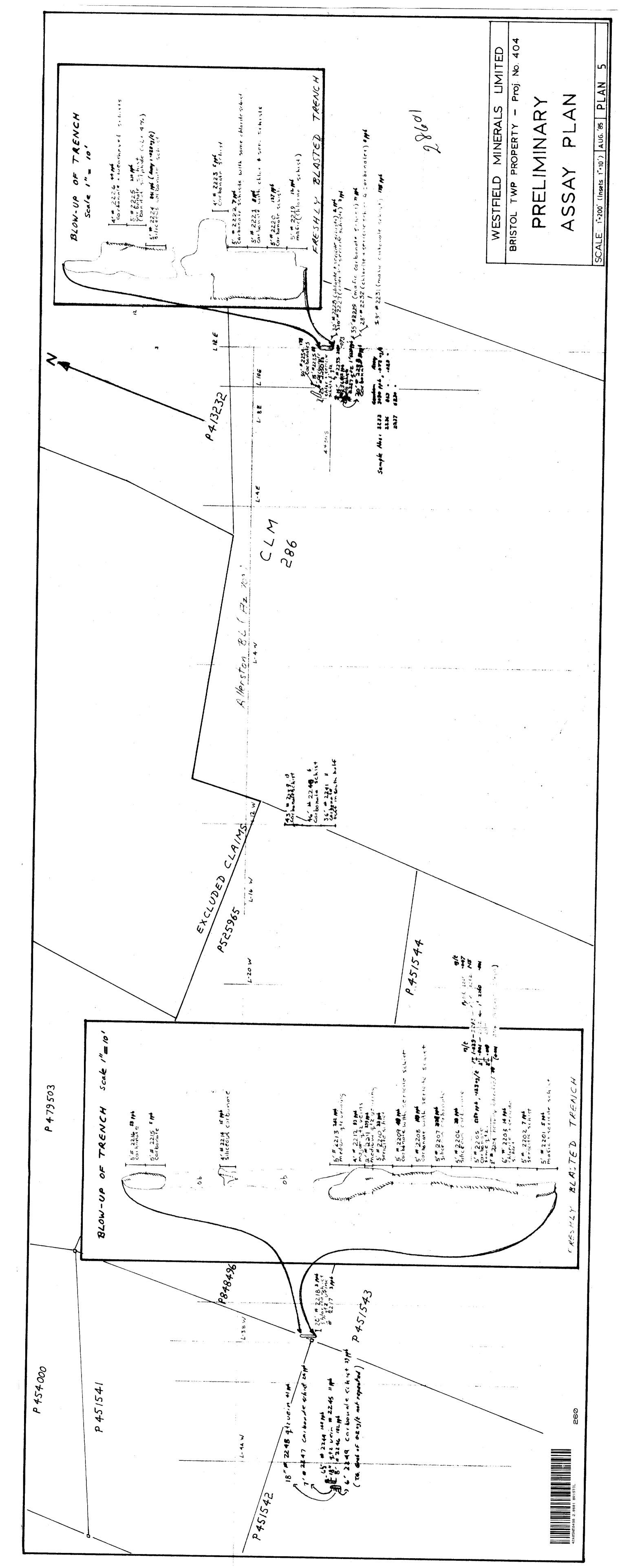
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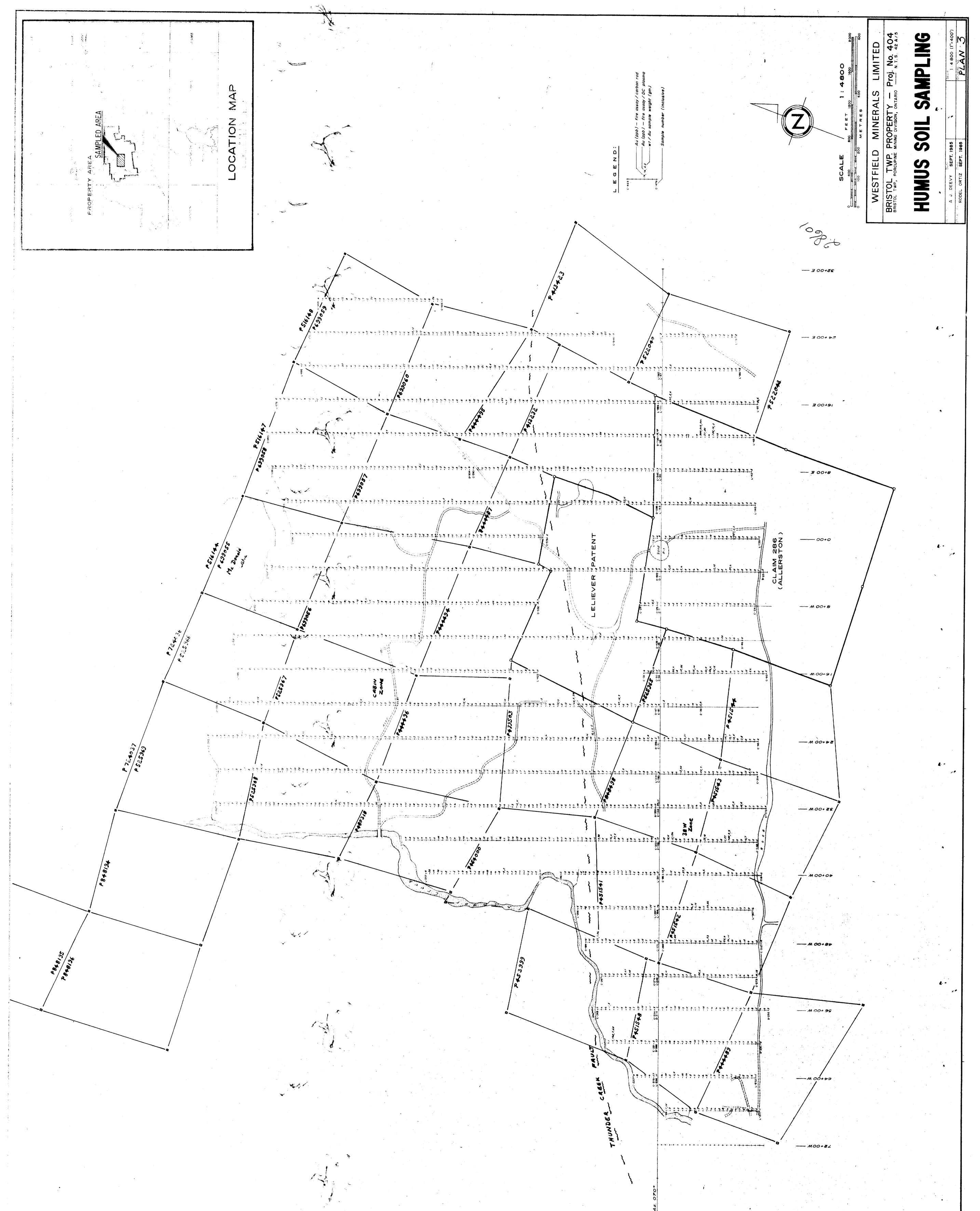
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