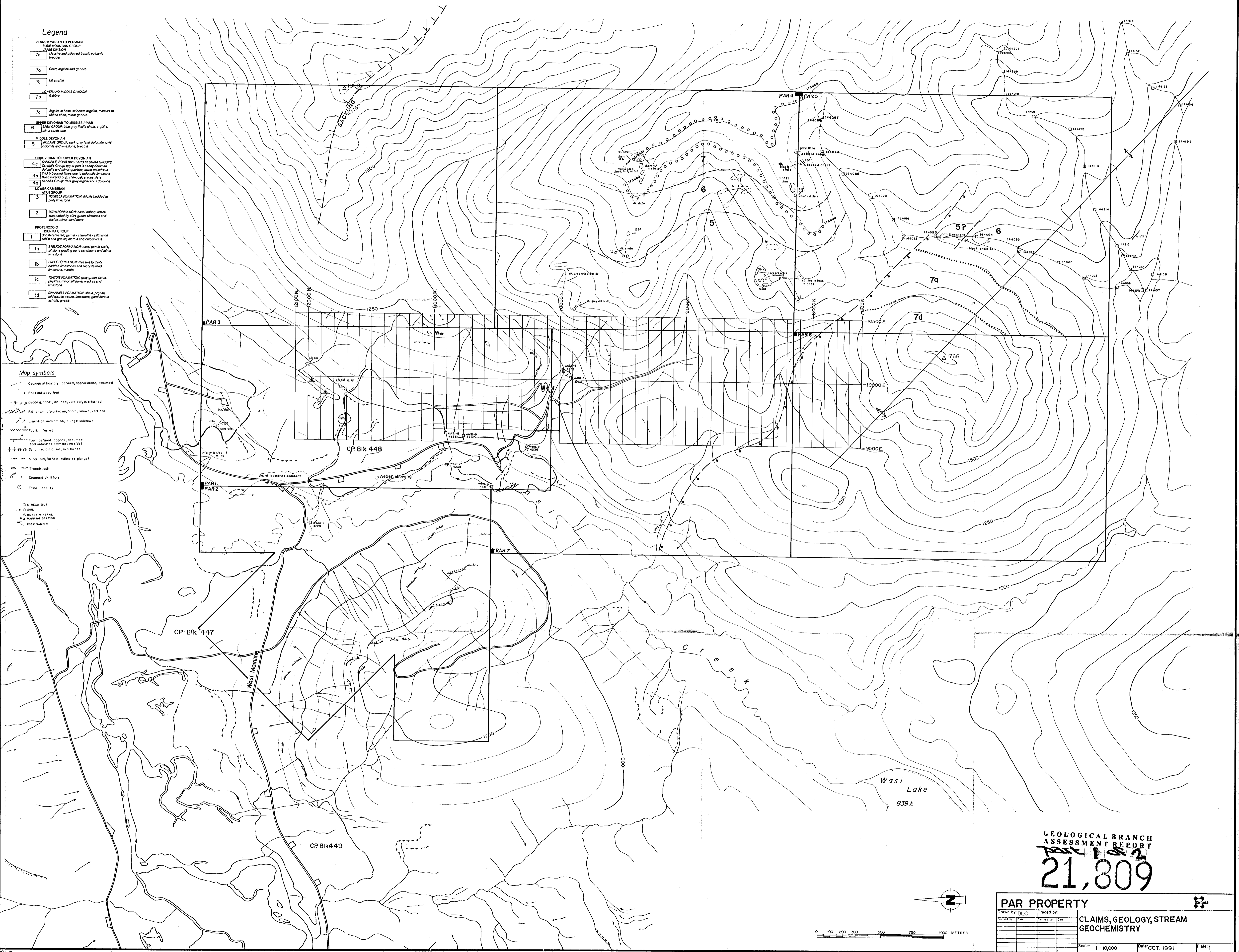


Legend

- PENNSYLVANIAN TO PERMIAN**
- SLOPE MOUNTAIN GROUP**
- UPPER DIVISION**
- 7b Massive and pillowed basalt, volcanic breccia
- 7d Chert, argillite and gabbro
- 7c Ultramafite
- LOWER AND MIDDLE DIVISION**
- 7b Gabbro
- 7a Argillite at base, siliceous argillite, massive to fibrous chert, minor gabbro
- UPPER DEVONIAN TO MISSISSIPPIAN**
- LARK GROUP**: blue gray fissile shale, argillite, minor sandstone
- 6
- MIDDLE DEVONIAN**
- 5
- ORONOVICAN TO LOWER DEVONIAN**
- SANDPILE ROAD AREA AND KECHEWA GROUPS**: Sandpile Group: upper part to sandy dolomite, dolomite and minor quartzite, lower massive to finely bedded limestone to dolomitic limestone
- 4b
- ROCKY MOUNTAIN GROUP**: shaly, calcareous shale
- 4a
- YACHTA GROUP**: thick gray argillaceous dolomite
- LOWER CAMBRIAN**
- ATLAN GROUP**
- 3
- ROSELLE FORMATION**: shaly bedded to shaly limestone
- 2
- BOYA FORMATION**: basal orthoquartzite succeeded by olive green siliceous and shaly, minor sandstone
- PROTEROZOIC**
- WISCONSIN GROUP**
- 1
- STURGEON FORMATION**: local quartzite, shaly limestone grading up to sandstone and minor limestone
- 1a
- ESPEE FORMATION**: massive to shaly bedded limestone and recrystallized limestone, marble
- 1b
- TSAGHIZ FORMATION**: gray green shales, phyllite, minor siliceous, marbles and limestone
- 1c
- SHANNON FORMATION**: shale, phyllite, micaceous shale, limestone, pentacrinite, actinolite, gneiss
- 1d

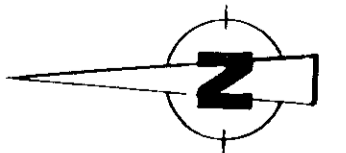
Map symbols

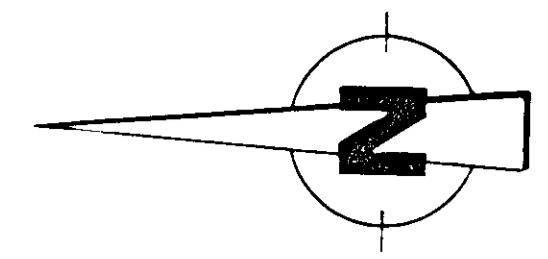
- Geological boundary: defined, approximate, assumed
- Rock outcrop, floor
- Bedding, horiz.: inclined, vertical, overturned
- Foliation: dip unknown, horiz., known, vertical
- Lineation: inclination, plunge unknown
- Fault, inferred
- Fault defined, optics, assumed (dot indicates downthrown side)
- Syncline, anticline, overturned
- Minor fold, (arrow indicates plunge)
- Trench, adit
- Diamond drill hole
- Fossil locality
- STREAM SILT
- SOIL
- HEAVY MINERAL
- MAPPING STATION
- ROCK SAMPLE



GEOLOGICAL BRANCH
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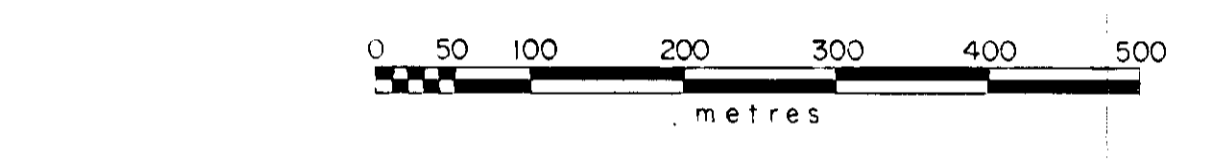
PAR PROPERTY	
Drawn by: DLC	Traced by:
Revised by: Eue	Revised by: Eue
CLAIMS, GEOLOGY, STREAM GEOCHEMISTRY	
Scale: 1 : 10,000	Date: OCT. 1991
Plate: 1	





LEGEND

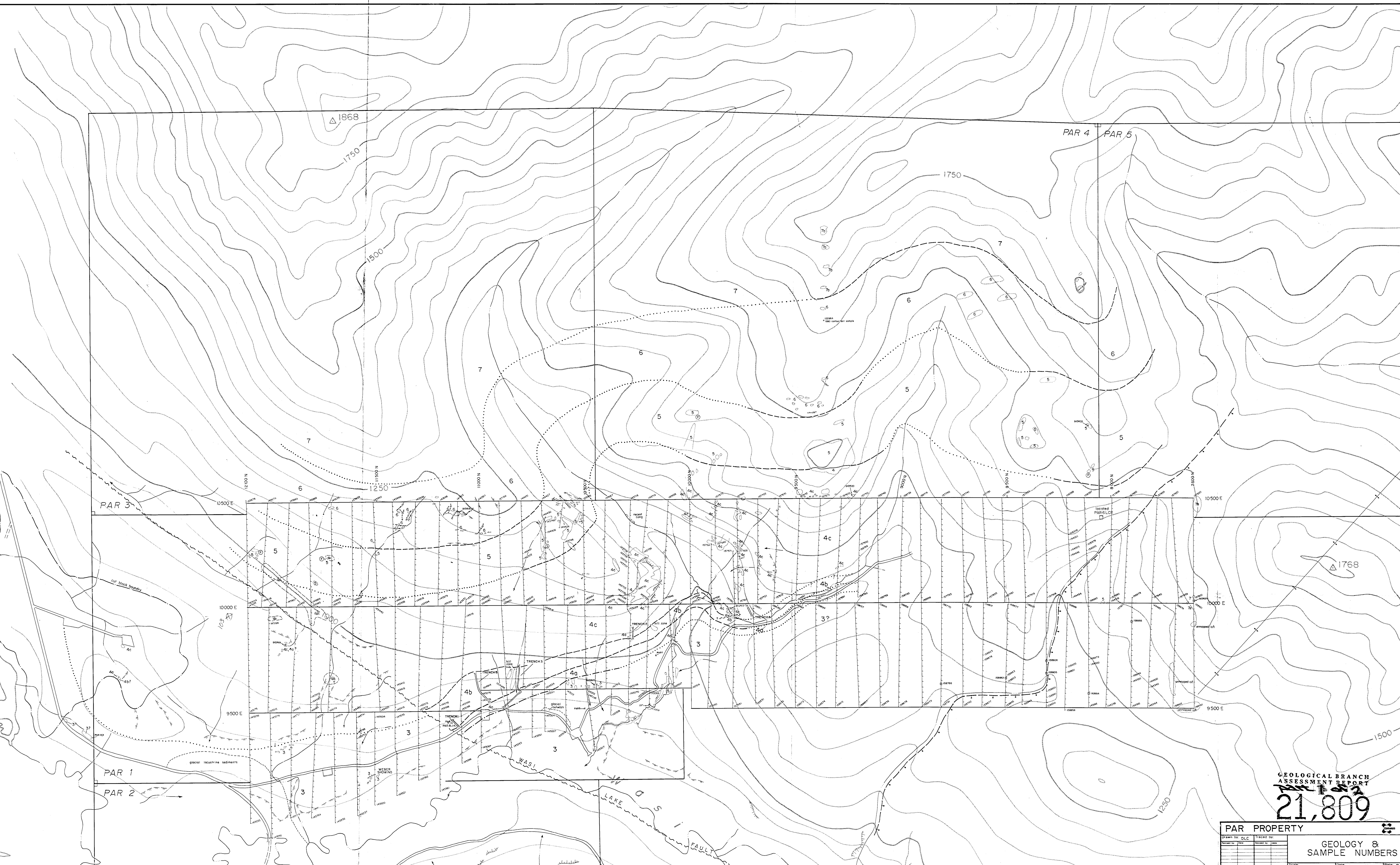
- PENNSYLVANIA TO PERMANIAN**
1500 MIDDLE DEVONIAN
 7a Massive and polished basalt, volcanic breccia
 7b Chert, aggrite and galena
 7c Lithomela
LOWER AND MIDDLE DEVONIAN
 7d Galena
 7e Aggrite at base, siliceous aggrite, massive to nodular chert, minor galena
DEVONIAN TO CARBONIFEROUS
 6 Lower Group: blue gray shale, black aggrite, lime structure
MIDDLE DEVONIAN
 5 Middle Group: dark gray sand dolomite, gray limestone and limestone, breccia
ORISKANY TO LOWER DEVONIAN
 4c Sandstone, rock, red and yellow groups
 4b Sandstone, shale, gray and black shaly limestone, mostly bedded limestone to columnar limestone
 4a Fine-grained Group: dark gray argillaceous dolomite
LOWER DEVONIAN
 3 ATKA GROUP
 3a MIDDLE FORMATION: shaly bedded to lumpy limestone
 2 BONA FORMATION: hard orthoquartzite, metamorphosed to blue green schistose and shaly, minor structure
PROTEROZOIC
ROSELIA GROUP
 1a Lower part: green, micaceous, calcareous, shaly and green, marble and calcarenite
 1b Upper part: shaly, micaceous and shaly
 1c Lower part: massive to shaly bedded limestone and micaceous limestone, marl
 1d Upper part: gray green sand, shaly, minor structure, micaceous and shaly
UNCONFORMABLE FORMATION
 1e Shaly, micaceous, shaly, calcareous, shaly, green



- Map symbols**
- Geological boundary: defined, approximate, assumed
 - Back surface, floor
 - Bedding, horizontal, vertical, vertical
 - Fault: dip-slip, normal, thrust, strike-slip
 - Location: indicated, slope unknown
 - Fault: inferred
 - Fault: defined, slope assumed
 - Fault: defined, slope assumed
 - Moor, low, terrace, indicates plough
 - Trench, soil
 - Deposited drill hole
 - Forest locality
 - Stream, dry
 - Well
 - Water, natural
 - Water station
 - Water sample

Geochemistry Values

LAB NO.	FIELD NUMBER	AL	SI	KA	PL
9110479 PAR-1	5480	2970	11.9	67	
9110480 PAR-1	4730	2830	6.7	83	
9110481 PAR-1	4470	2700	4.6	E50000	
9110482 PAR-1	4070	24400	19.5	2022	
9110483 PAR-1	3750	E13000	1.4	950	
9110484 PAR-1	3610	E14500	1.4	1347	
9110485 PAR-10	188	E4550	1.4	912	
9110486 PAR-11	75	2450	1.4	422	
9110487 PAR-11	55	41	1.4	741	
9110488 PAR-11	44	E12700	13.9	E1122	
9110489 PAR-11	81	29	1.4	445	
9110490 PAR-11	44	E12000	1.7	338	
9110491 PAR-14	742	3610	8	347	
9110492 PAR-15	28	80	1.4	339	
9110493 PAR-15	12	28	1.4	339	
9110494 PAR-15	29	E13500	1.2	126	
9110495 PAR-15	12	28	1.4	339	
9110496 PAR-15	1210	E12400	20.7	584	
9110497 PAR-15	12	8000	1.2	37	
9110498 PAR-15	63	24	1.4	E4400	
9110499 PAR-15	63	E4300	4.6	E24500	
9110500 PAR-15	24	241	1.4	1437	



GEOLOGICAL BRANCH ASSESSMENT REPORT
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PAR PROPERTY
 Drawn by: DLC Traced by: []
 Date: [] Date: []
GEOLGY & SAMPLE NUMBERS
 Scale: 1:5000 Date: October 1991 Page: 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT
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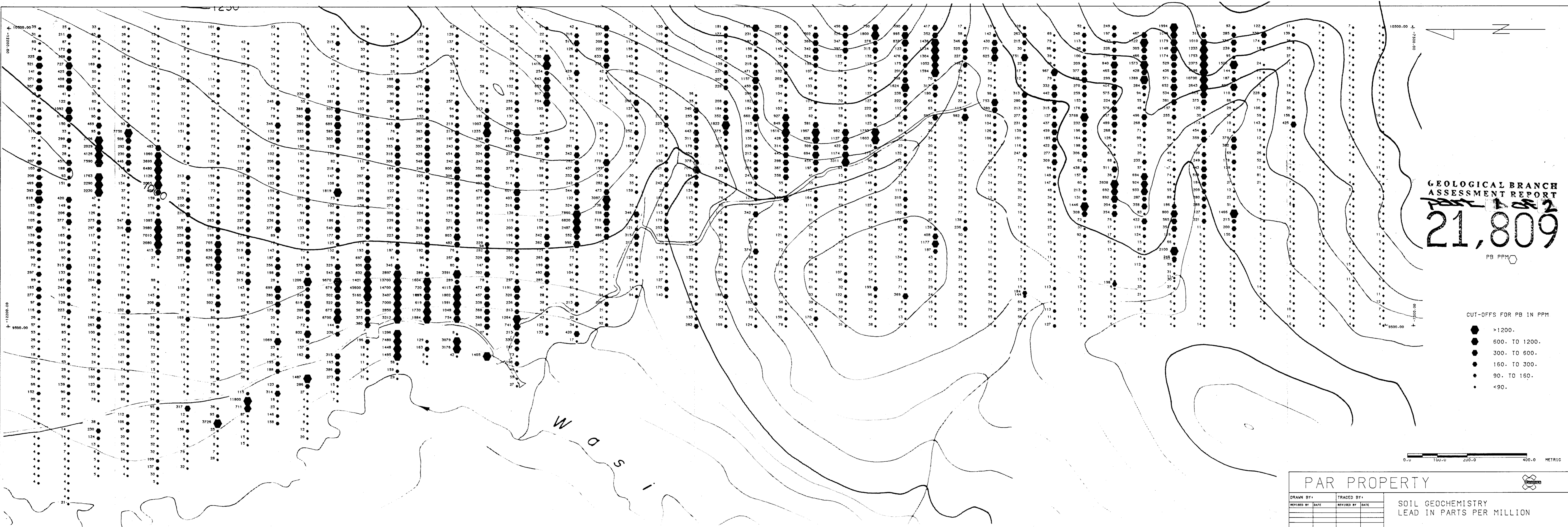
PB PPM

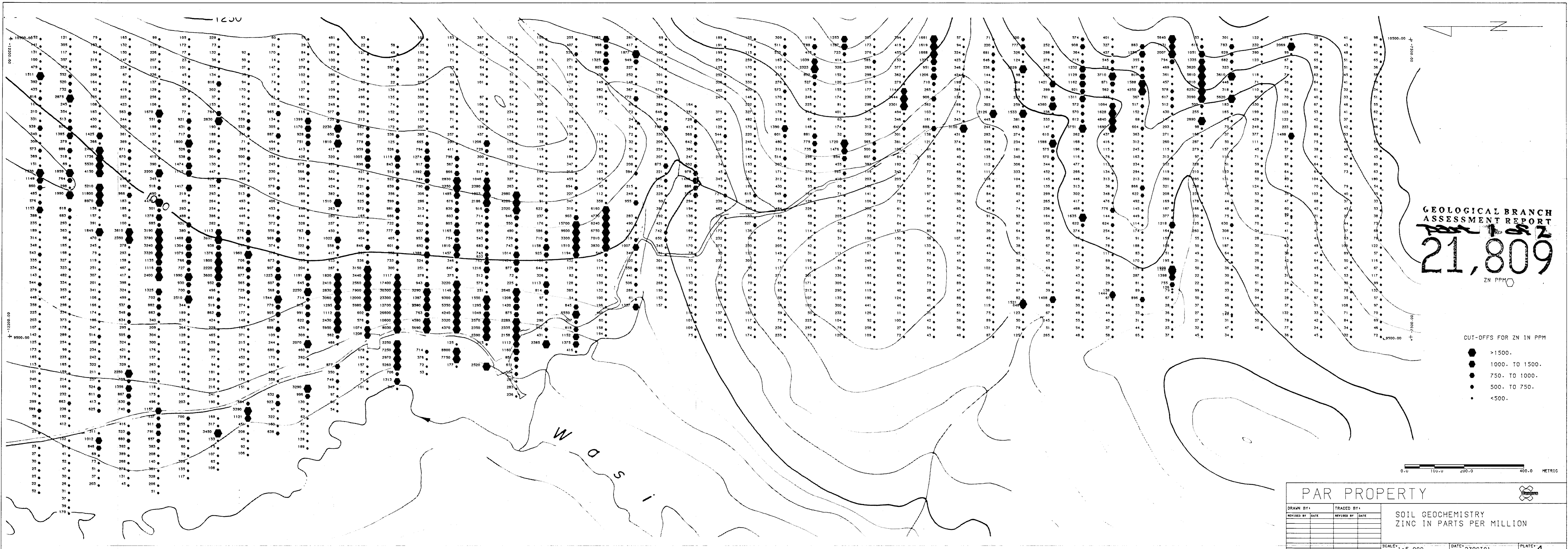
CUT-OFFS FOR PB IN PPM

- >1200.
- 600. TO 1200.
- 300. TO 600.
- 160. TO 300.
- 90. TO 160.
- <90.

0.0 100.0 200.0 400.0 METRIC

PAR PROPERTY			
DRAWN BY:	TRACED BY:		
REVISED BY:	DATE:	REVISED BY:	DATE:
SCALE: 1:5,000		DATE: 2300T91	PLATE: 3

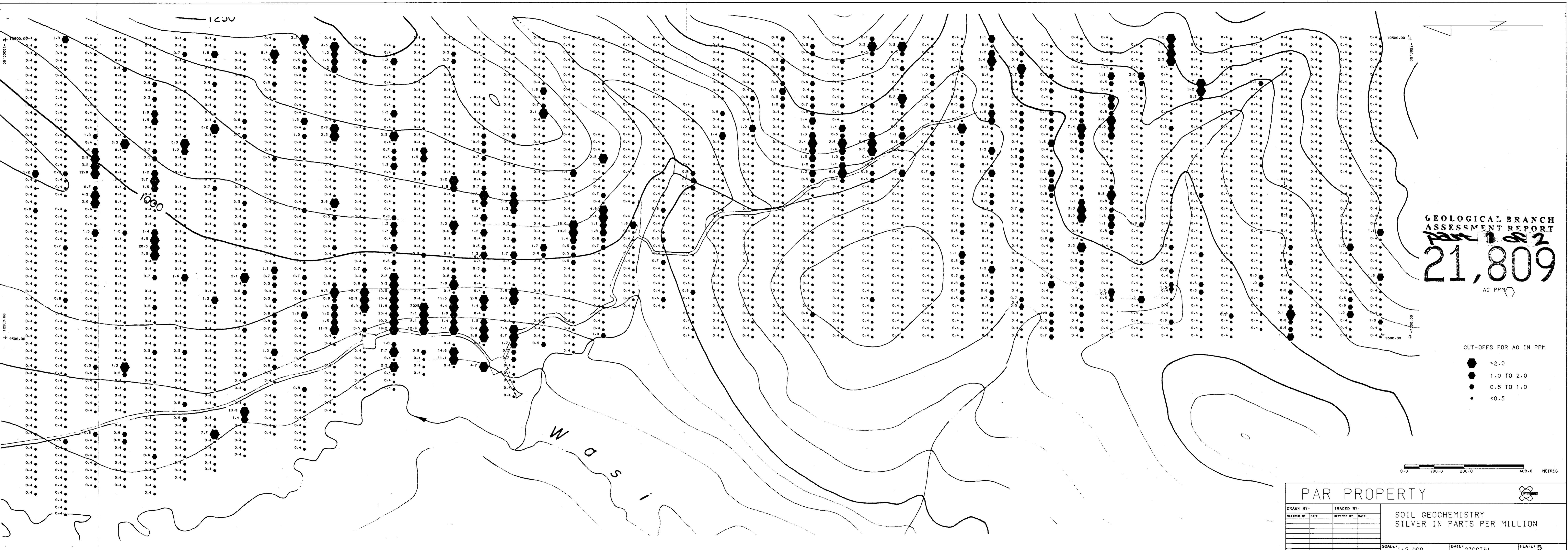




GEOLOGICAL BRANCH
ASSESSMENT REPORT
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ZN PPM

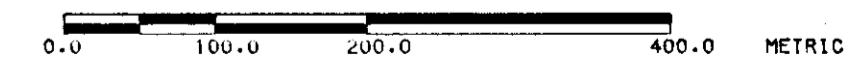
- CUT-OFFS FOR ZN IN PPM
- >1500.
 - 1000. TO 1500.
 - 750. TO 1000.
 - 500. TO 750.
 - <500.

PAR PROPERTY			
DRAWN BY:	TRACED BY:	SOIL GEOCHEMISTRY	
REVISED BY:	REVISED BY:	ZINC IN PARTS PER MILLION	
DATE:	DATE:	SCALE:	DATE:
		1:5,000	23OCT91
			PLATE: 4



GEOLOGICAL BRANCH
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AG PPM

- CUT-OFFS FOR AG IN PPM
- >2.0
 - 1.0 TO 2.0
 - 0.5 TO 1.0
 - <0.5

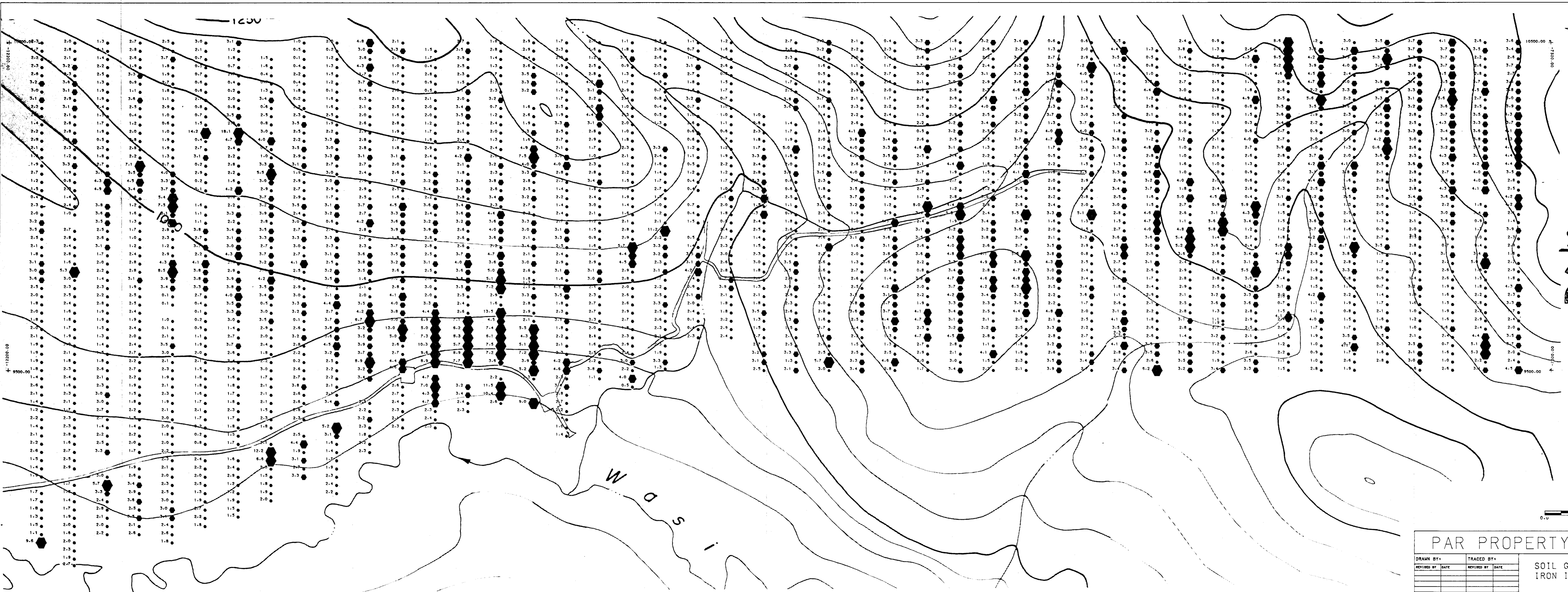


PAR PROPERTY

DRAWN BY:		TRACED BY:	
REVISED BY	DATE	REVISED BY	DATE

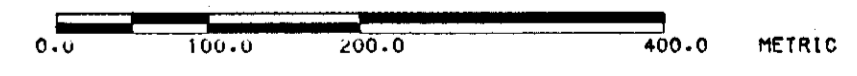
SOIL GEOCHEMISTRY
SILVER IN PARTS PER MILLION

SCALE: 1:5,000 DATE: 23OCT91 PLATE: 5

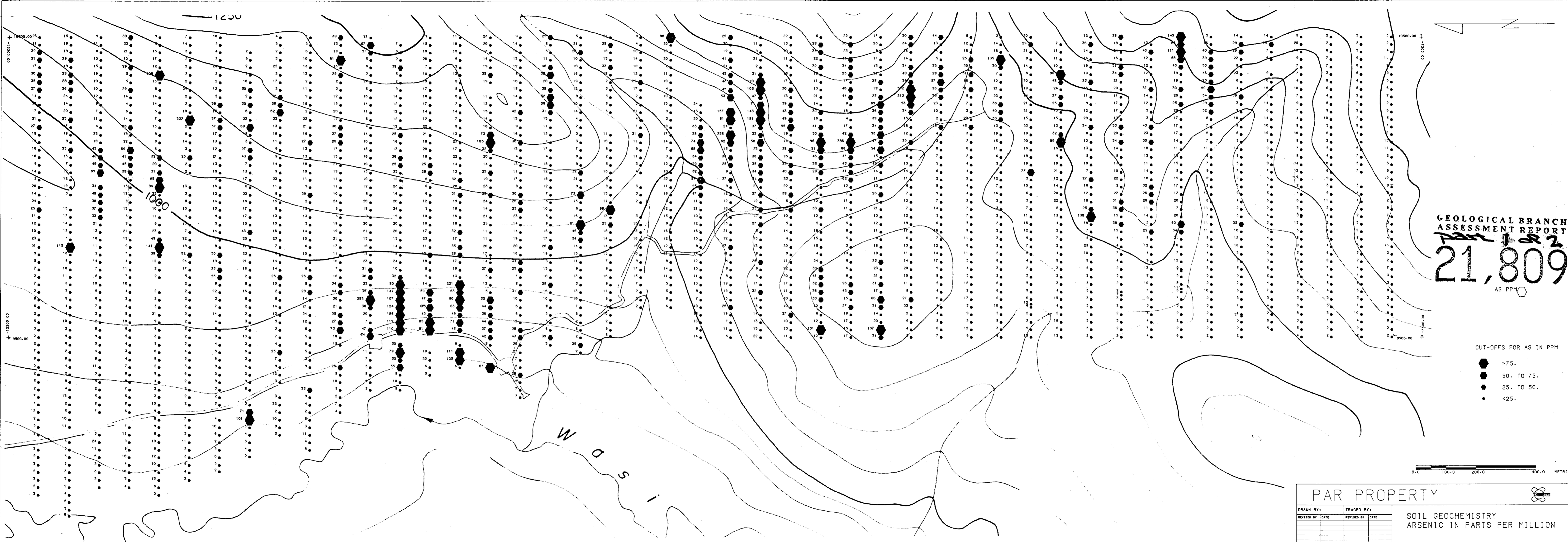


GEOLOGICAL BRANCH
ASSESSMENT REPORT
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- CUT-OFFS FOR FE IN %
- >5.0
 - 4.0 TO 5.0
 - 3.0 TO 4.0
 - <3.0

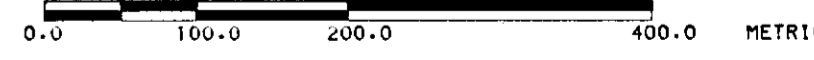


PAR PROPERTY			
DRAWN BY:	TRACED BY:	SOIL GEOCHEMISTRY	
REVISED BY:	REVISED BY:	IRON IN PARTS PER MILLION	
DATE	DATE	SCALE:	DATE:
		1:5,000	23OCT91
			PLATE: 6



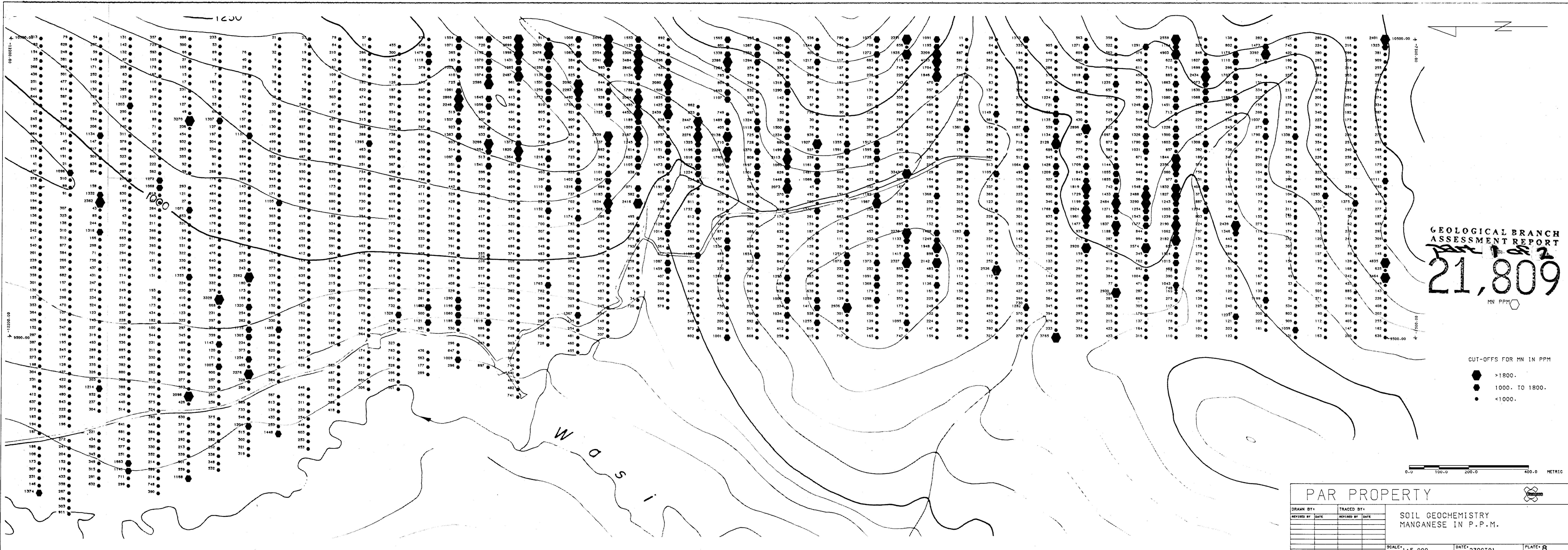
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,809
AS PPM

- CUT-OFFS FOR AS IN PPM
- >75.
 - 50. TO 75.
 - 25. TO 50.
 - <25.



PAR PROPERTY			
DRAWN BY:		TRACED BY:	
REVISED BY:	DATE:	REVISED BY:	DATE:
SCALE: 1:5,000		DATE: 23OCT91	PLATE: 7

SOIL GEOCHEMISTRY
ARSENIC IN PARTS PER MILLION

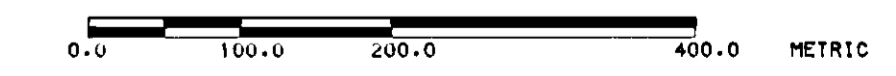


GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,809

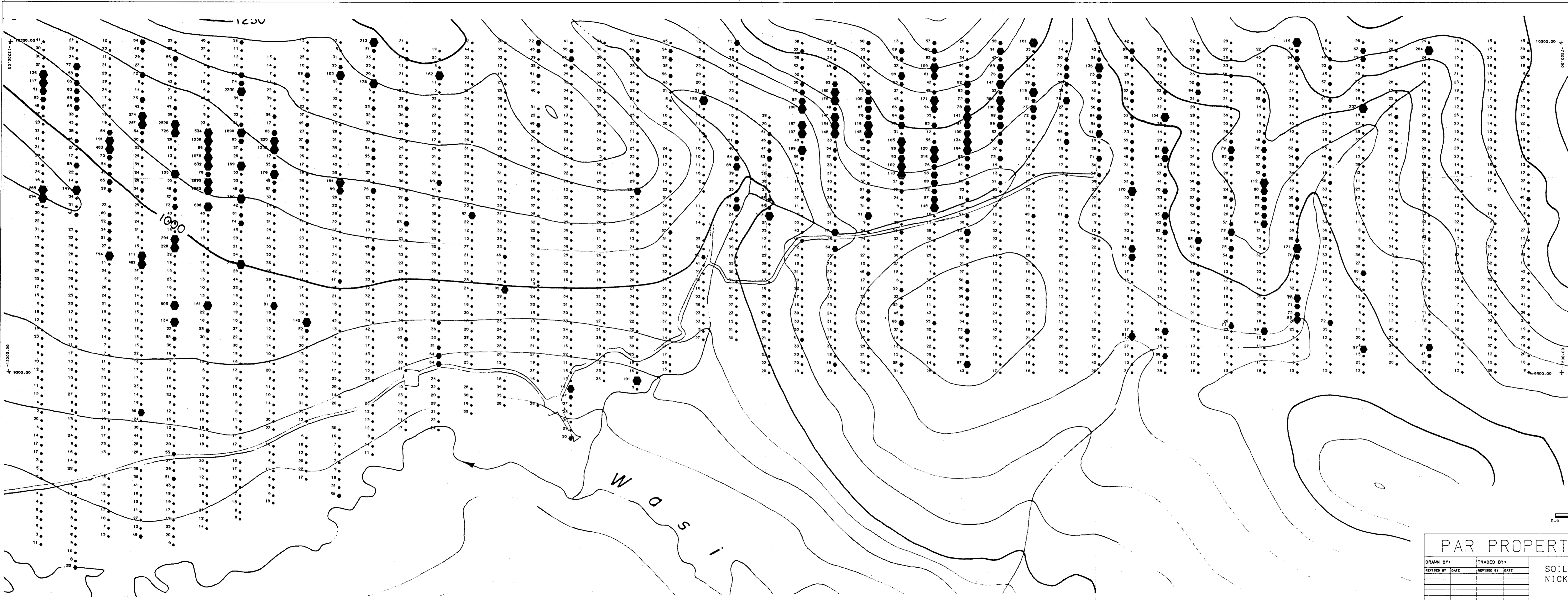
MN PPM

- CUT-OFFS FOR MN IN PPM
- >1800.
 - 1000. TO 1800.
 - <1000.



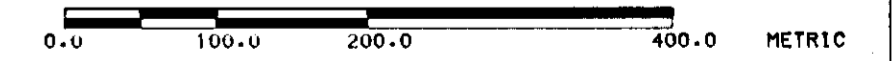
PAR PROPERTY			
DRAWN BY:	TRACED BY:		
REVISED BY:	DATE:	REVISED BY:	DATE:
SCALE: 1:5,000		DATE: 23OCT91	PLATE: 8

SOIL GEOCHEMISTRY
MANGANESE IN P.P.M.



GEOLOGICAL BRANCH
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21,809
 NI PPM

- CUT-OFFS FOR NI IN PPM
- >100.
 - 76. TO 100.
 - 62. TO 76.
 - 46. TO 62.
 - <46.

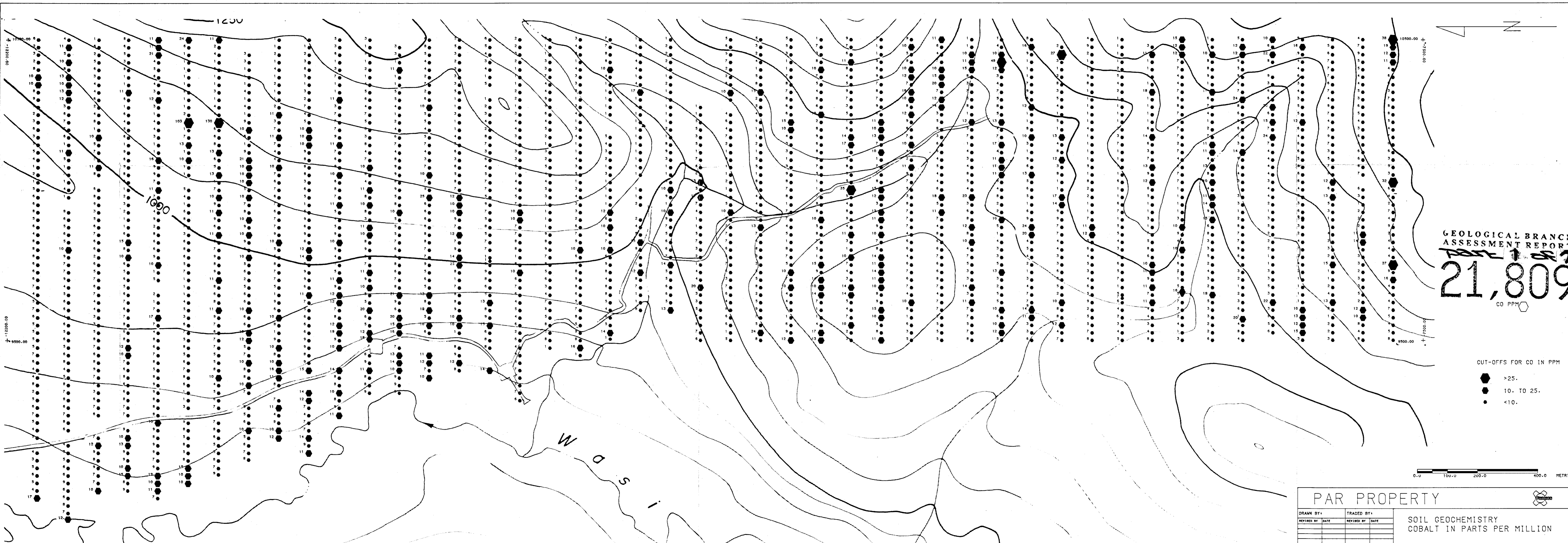


PAR PROPERTY

DRAWN BY:	TRACED BY:
REVISED BY:	REVISED BY:
DATE:	DATE:

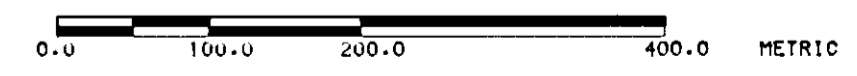
SOIL GEOCHEMISTRY
 NICKEL IN PARTS PER MILLION

SCALE: 1:5,000 DATE: 23OCT91 PLATE: 9

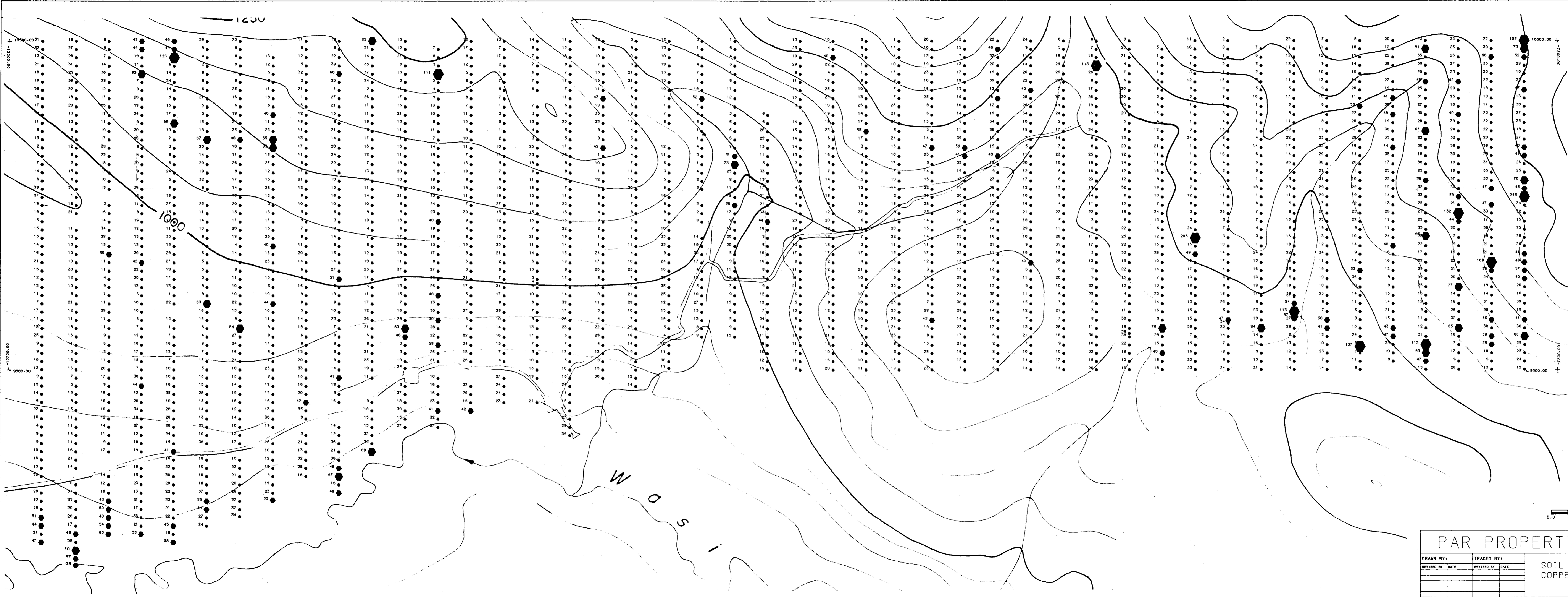


GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,809
CO PPM

CUT-OFFS FOR CO IN PPM
 ● >25.
 ● 10. TO 25.
 ● <10.



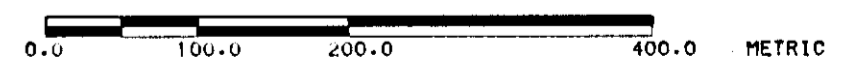
PAR PROPERTY			
DRAWN BY: _____ REVISOR DATE: _____	TRACED BY: _____ REVISOR DATE: _____	SOIL GEOCHEMISTRY COBALT IN PARTS PER MILLION	
		SCALE: 1:5,000	DATE: 23OCT91
		PLATE: 10	



GEOLOGICAL BRANCH
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Jan 1992
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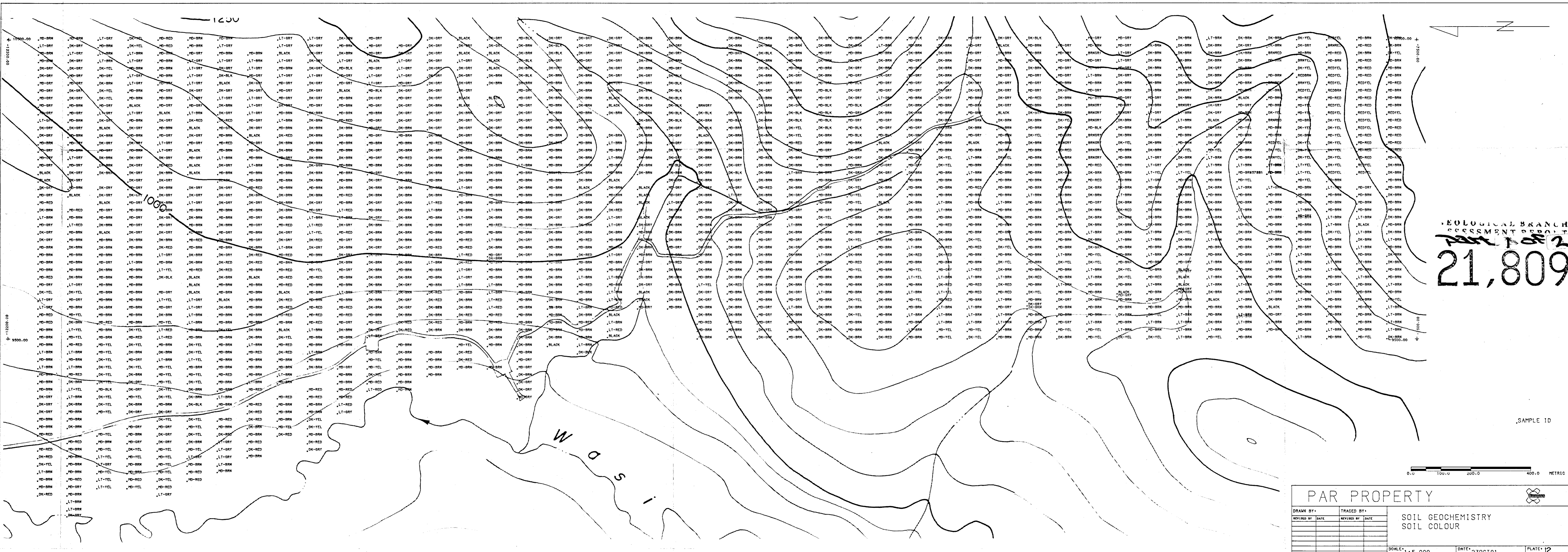
CU PPM

- CUT-OFFS FOR CU IN PPM
- >100.
 - 60. TO 100.
 - 40. TO 60.
 - <40.



PAR PROPERTY			
DRAWN BY:		TRACED BY:	
REVISED BY:	DATE:	REVISED BY:	DATE:
SCALE: 1:5,000		DATE: 23OCT91	PLATE: 11

SOIL GEOCHEMISTRY
COPPER IN PARTS PER MILLION



4. 10500.00
+ 12000.00

+ 9500.00

0.0 100.0 200.0 400.0 METRIC

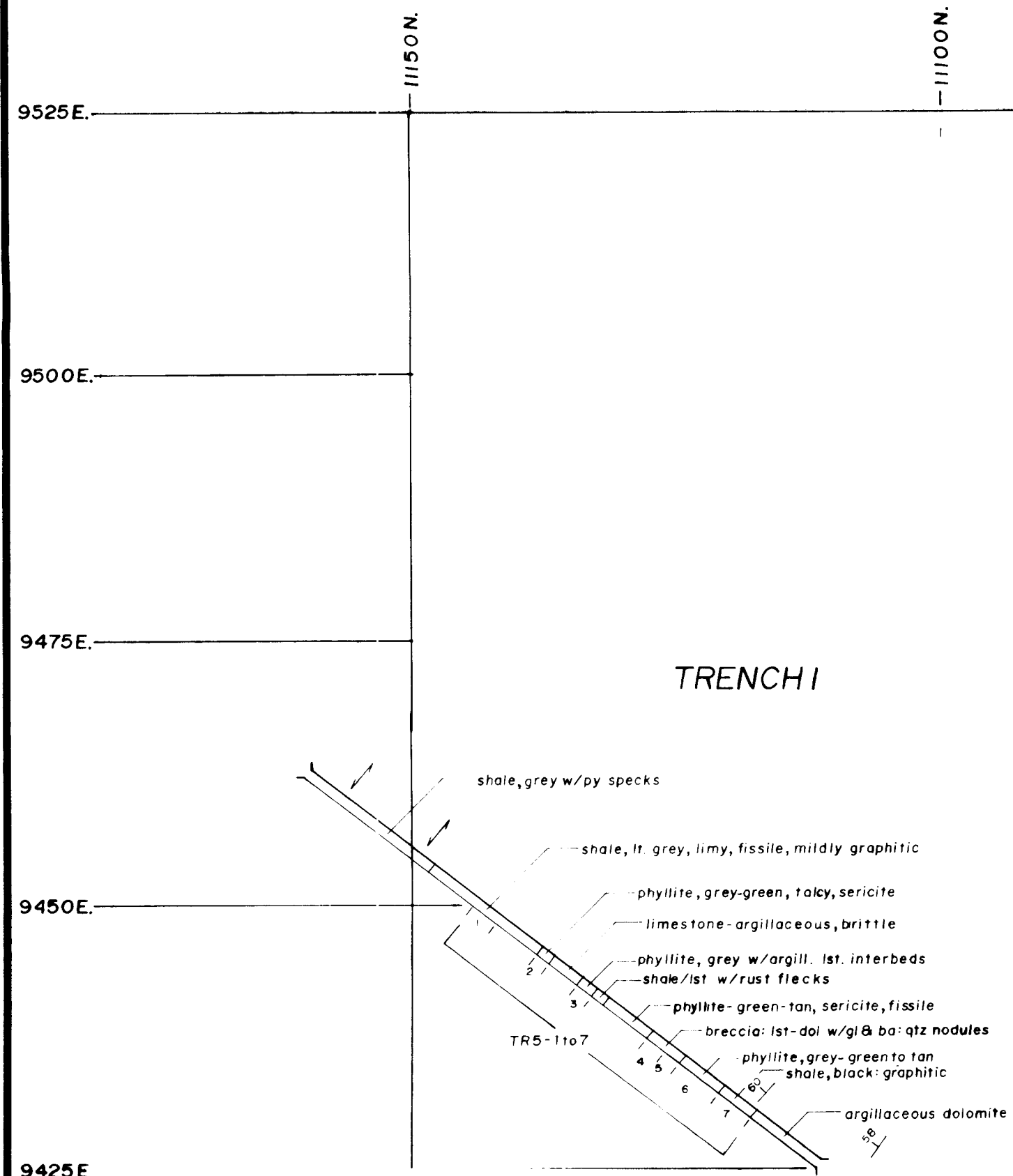
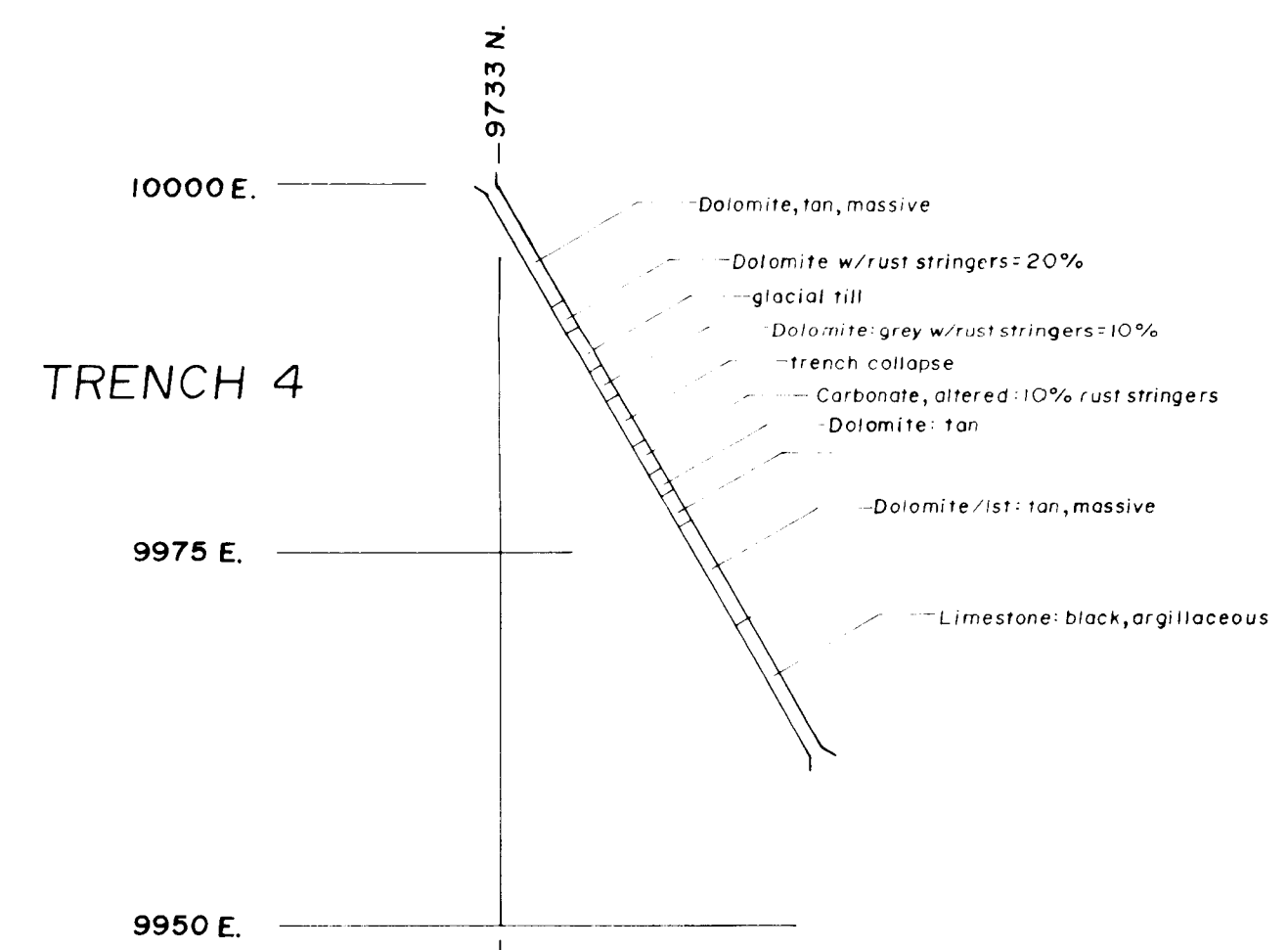
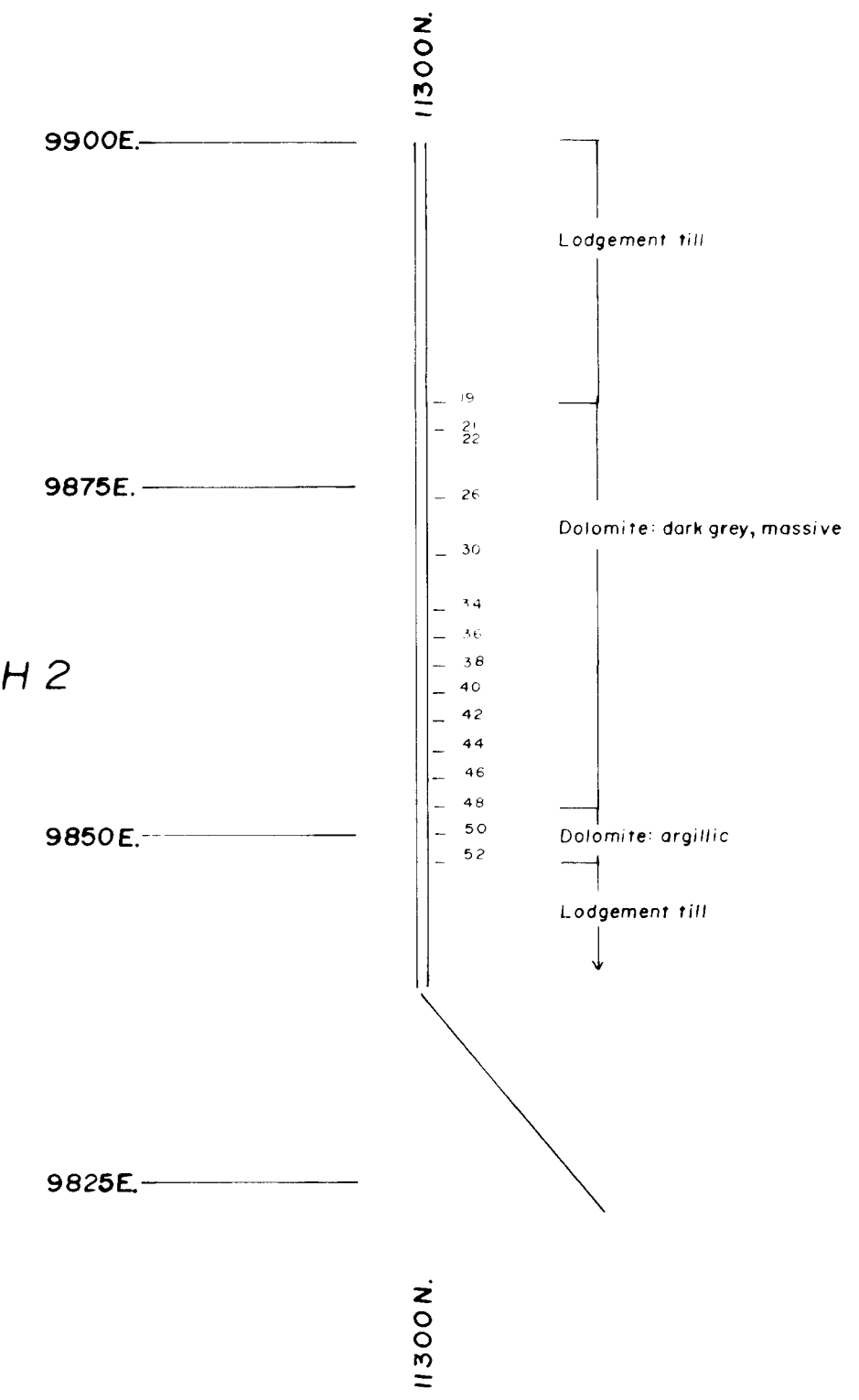
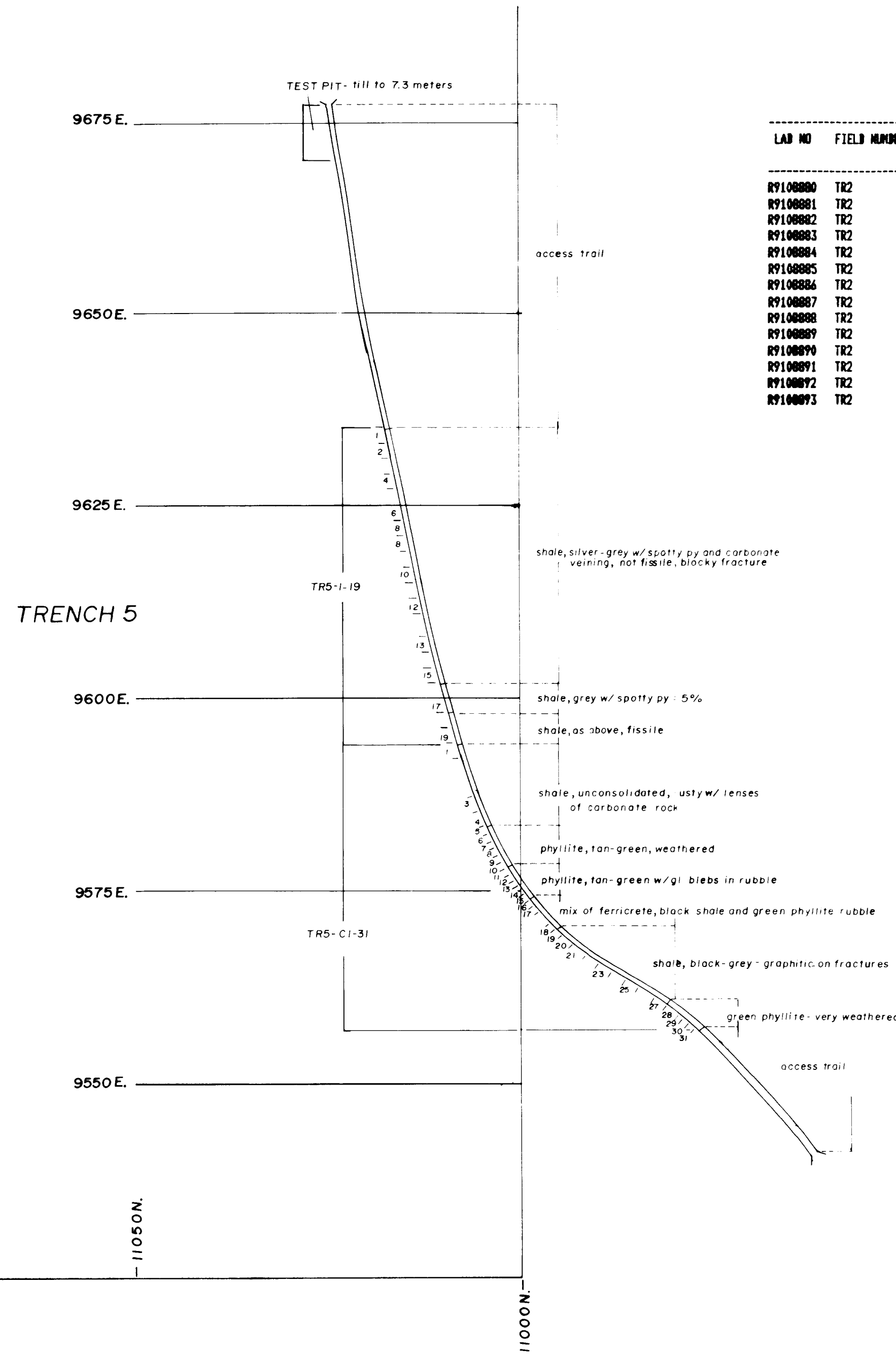
ECOLOGICAL BRANCH
ASSESSMENT REPORT
21,809

SAMPLE 10

DRAWN BY:				TRACED BY:			
REVISED BY	DATE	REVISED BY	DATE	REVISED BY	DATE	REVISED BY	DATE
SOIL GEOCHEMISTRY SOIL COLOUR						SCALE: 1:5,000	DATE: 23OCT91
						PLATE: 12	

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	Pb PPM	Zn PPM	Ag PPM	Ba(4) PPM
R910424	TR5-1	9675.00 9631.00	11	42		1107
R910425	TR5-2	9631.00 9619.00	13	123		1988
R910426	TR5-4	9629.00 9623.00	9	47		489
R910427	TR5-6	9625.00 9623.00	8	81		1254
R910428	TR5-8	9621.00 9619.00	7	55		1623
R910429	TR5-10	9615.00 9615.00	18	43		2347
R910430	TR5-12	9611.00 9611.00	22	310		2035
R910431	TR5-13	9608.00 9606.00	20	349		1238
R910432	TR5-15	9606.00 9603.00	45	440		916
R910433	TR5-17	9600.00 9598.00	18	496		858
R910434	TR5-19	9594.00 9596.00	24	727		340
R910435	TR5-21	9590.00 9590.00	59	1060		178
R910436	TR5-23	9586.00 9586.00	21	324		347
R910437	TR5-24	9586.00 9586.00	4	78		
R910438	TR5-25	9586.00 9586.00	14	200		
R910439	TR5-26	9586.00 9586.00	138	1950		
R910440	TR5-27	9586.00 9586.00	14	55		
R910441	TR5-28	9586.00 9586.00	14	99		
R910442	TR5-29	9586.00 9586.00	4	59		
R910443	TR5-30	9586.00 9586.00	11	256		
R910444	TR5-31	9586.00 9586.00	11	53		
R910445	TR5-32	9586.00 9586.00	E41500	E34700	26.7	
R910446	TR5-33	9586.00 9586.00	4310	1370	3.9	
R910447	TR5-34	9586.00 9586.00	485	451	7	
R910448	TR5-35	9586.00 9586.00	107	1840		
R910449	TR5-36	9586.00 9586.00	51	3396		
R910450	TR5-37	9586.00 9586.00	137	2500		
R910451	TR5-38	9586.00 9586.00	1780	1580	1.8	
R910452	TR5-39	9586.00 9586.00	116	1638		
R910453	TR5-40	9586.00 9586.00	46	970		
R910454	TR5-41	9586.00 9586.00	22	440		
R910455	TR5-42	9586.00 9586.00	15	2190		
R910456	TR5-43	9586.00 9586.00	4	1350		
R910457	TR5-44	9586.00 9586.00	56	378		
R910458	TR5-45	9586.00 9586.00	542	460		
R910459	TR5-46	9586.00 9586.00	77	182		
R910460	TR5-47	9586.00 9586.00	196	1890		
R910461	TR5-48	9586.00 9586.00	3070	1240	5	

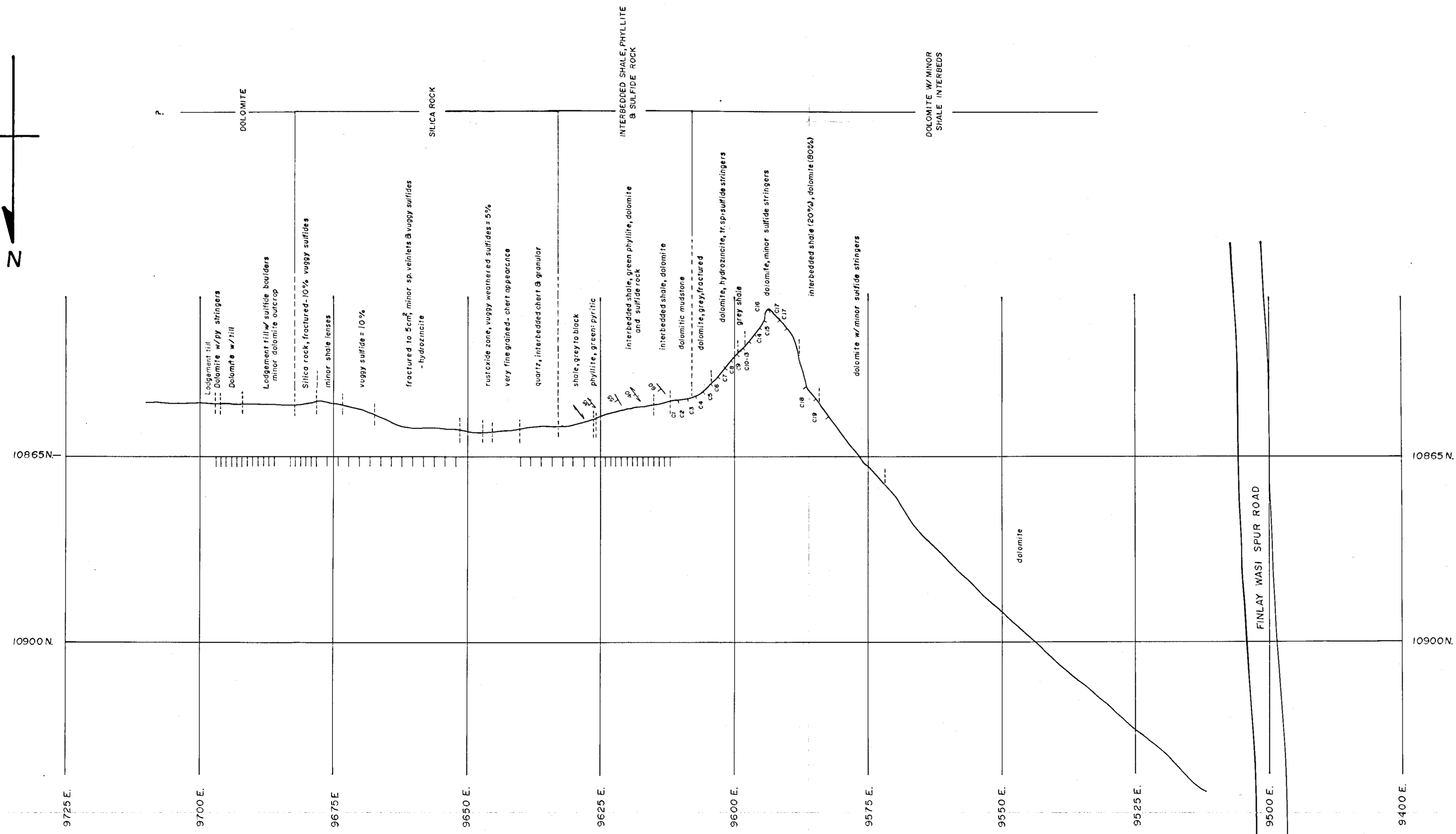
LAB NO	FIELD NUMBER	INTERVAL FROM (METRES) TO	Pb PPM	Zn PPM	Ag PPM	Ba(4) PPM
R910880	TR2	19.00 21.00	54	271	1.4	1107
R910881	TR2	21.00 22.00	52	257	1.4	1988
R910882	TR2	22.00 24.00	48	420	1.4	489
R910883	TR2	24.00 30.00	149	1000	1.4	1254
R910884	TR2	30.00 34.00	200	990	1.1	1623
R910885	TR2	34.00 36.00	261	1460	1.5	2347
R910886	TR2	36.00 38.00	86	449	1.4	2035
R910887	TR2	38.00 44.00	95	474	1.4	1238
R910888	TR2	40.00 42.00	150	726	1.1	1411
R910889	TR2	42.00 44.00	37	190	1.4	916
R910890	TR2	44.00 46.00	47	144	1.4	858
R910891	TR2	46.00 48.00	58	372	1.4	340
R910892	TR2	48.00 50.00	22	229	1.4	178
R910893	TR2	50.00 52.00	165	196	1.9	347



LAB NO	FIELD NUMBER	INTERVAL FROM (METRES) TO	Pb PPM	Zn PPM	Ag PPM	Ba(4) PPM
R9108873	TR1-1		73	194	1.4	895
R9108874	TR1-2	27.60 28.60	177	62	1.4	921
R9108875	TR1-3	32.20 33.70	E20600	E24200	22.8	E12424
R9108876	TR1-4	40.50 42.50	E131500	E27900	62.3	E20120
R9108877	TR1-5	42.50 44.50	4210	E22200	11.1	991
R9108878	TR1-6	44.50 49.20	9250	6600	12.1	1636
R9108879	TR1-7	49.20 52.70	311	1640	1.4	649

GEOLOGICAL BRANCH
 ANNUAL REPORT
 PART 1 OF 2
 21, 1991

PAR PROPERTY			
Drawn by	DLC	Traced by	
Revised by		Revised by	
Date		Date	
TRENCH 1, 2, 4 & 5			
Scale: 1:500	Date: OCT. 1991	Plate: 13	



LAB NO	FIELD NUMBER	DEPTH INTERVAL FROM METERS TO	PA	ZN	PPM	PPM
PH11057	103-61	0.00	2.00	1790	E5700	3.7
PH11058	103-62	2.00	4.00	1150	E1600	1.5
PH11059	103-63	4.00	6.00	2440	E18100	3.4
PH11060	103-64	6.00	8.00	2990	E17300	6
PH11061	103-65	8.00	10.00	1277	E23900	1.4
PH11062	103-66	10.00	12.00	98	4400	1.5
PH11063	103-67	12.00	14.50	140	E32400	1.4
PH11064	103-68	14.50	15.00	E1500	E2200	27.3
PH11065	103-69	15.00	16.00	E1600	E42100	26.2
PH11066	103-70	16.00	17.00	7200	E27300	11.8
PH11067	103-71	17.00	18.50	E1000	E30200	22.1
PH11068	103-72	18.50	19.00	E1500	E1400	18.2
PH11069	103-73	19.00	20.00	780	E1400	1.8
PH11070	103-74	20.00	22.00	921	1400	1.4
PH11071	103-75	22.00	23.00	514	3340	1.1
PH11072	103-76	23.00	24.00	E2600	E1800	28
PH11073	103-77	24.00	25.00	3500	E1900	17.5
PH11074	103-78	25.00	26.00	350	E750	6
PH11075	103-79	26.00	27.00	350	E750	6

GEOLOGICAL BRANCH
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LAB NO	FIELD NUMBER	DRILL INTERVAL FROM METERS TO	PA	ZN	PPM	PPM	PPM
R108874	TR3	9690.50	9691.50	151	680	8	473
R108875	TR3	9689.50	9690.50	214	4700	1.7	463
R108876	TR3	9688.50	9689.50	283	1950	1.1	674
R108877	TR3	9687.50	9688.50	247	1900	1.4	88
R108878	TR3	9686.50	9687.50	1700	5040	1.5	165
R108879	TR3	9685.50	9686.50	61	2720	1.4	315
R108880	TR3	9684.50	9685.50	158	566	1.4	999
R108881	TR3	9683.50	9684.50	823	3570	1.9	1324
R108882	TR3	9682.50	9683.50	41	209	1.4	279
R108883	TR3	9681.50	9682.50	56	221	1.4	513
R108884	TR3	9680.50	9681.50	29	243	1.4	52
R108885	TR3	9679.50	9680.50	11	99	1.4	4
R108886	TR3	9678.50	9679.50	8	233	1.4	105
R108887	TR3	9677.50	9678.50	22	539	1.4	137
R108888	TR3	9676.50	9677.50	58	3650	1.4	384
R108889	TR3	9675.50	9676.50	155	1880	1.4	822
R108890	TR3	9674.50	9675.50	E1500	3280	18.8	822
R108891	TR3	9673.50	9674.50	3740	E5500	5.5	258
R108892	TR3	9672.50	9673.50	518	E15000	8	281
R108893	TR3	9671.50	9672.50	E29500	E4000	8.1	344
R108894	TR3	9670.50	9671.50	7650	E3700	4.5	274
R108895	TR3	9669.50	9670.50	7630	E1700	6.9	279
R108896	TR3	9668.50	9669.50	6220	E15000	11	307
R108897	TR3	9667.50	9668.50	E15400	E2700	8.8	77
R108898	TR3	9666.50	9667.50	3760	E4200	3.6	261
R108899	TR3	9665.50	9666.50	E47800	E43100	28.1	594
R108900	TR3	9664.50	9665.50	1650	E2800	1.4	84
R108901	TR3	9663.50	9664.50	2430	E7600	1.3	365
R108902	TR3	9662.50	9663.50	527	E10500	1.4	129
R108903	TR3	9661.50	9662.50	561	E5600	1.5	182
R108904	TR3	9660.50	9661.50	291	E2500	1.5	155
R108905	TR3	9659.50	9660.50	62	498	1.4	56
R108906	TR3	9658.50	9659.50	32	603	1.4	284
R108907	TR3	9657.50	9658.50	1810	E2700	2.3	576
R108908	TR3	9656.50	9657.50	582	2740	1.4	272
R108909	TR3	9655.50	9656.50	397	755	1.4	35
R108910	TR3	9654.50	9655.50	216	154	1.4	7
R108911	TR3	9653.50	9654.50	51	1110	1.4	42
R108912	TR3	9652.50	9653.50	238	1490	1.4	128
R108913	TR3	9651.50	9652.50	53	1600	1.5	344
R108914	TR3	9650.50	9651.50	123	1400	1.5	147
R108915	TR3	9649.50	9650.50	51	743	1.4	1078
R108916	TR3	9648.50	9649.50	158	1600	1.9	389
R108917	TR3	9647.50	9648.50	15	239	1.4	137
R108918	TR3	9646.50	9647.50	26	1550	1.4	329
R108919	TR3	9645.50	9646.50	63	2400	1.4	130
R108920	TR3	9644.50	9645.50	40	7500	1.4	281

PAR PROPERTY

Drawn by: **DLC** Traced by:

Revised by: **DLC** Date: **10/1/91**

TRENCH 3

Scale: **1:500** Date: **OCT. 1991** Plate: **14**