

Diamond Drilling



41009NW0063 10 BENTON

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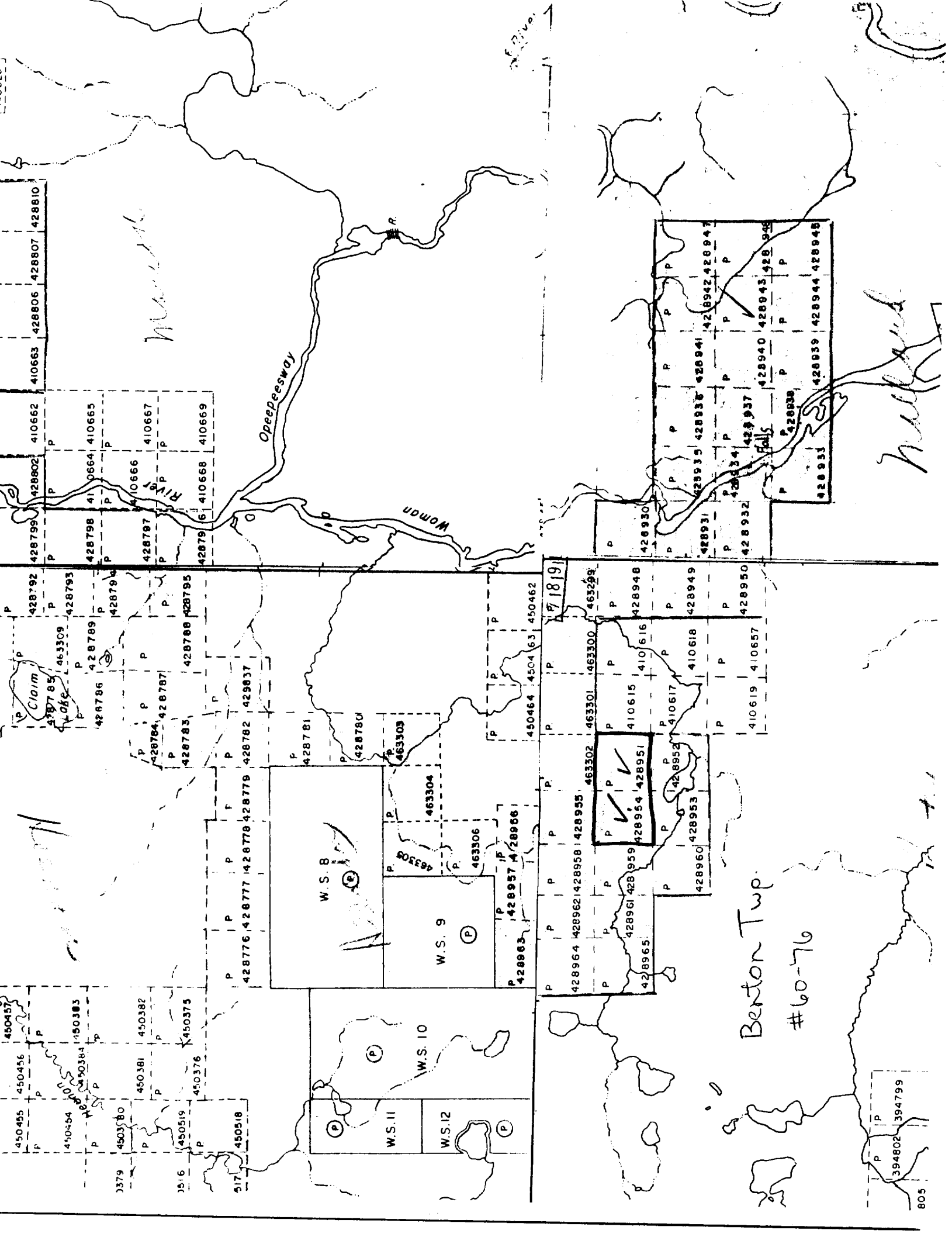
Township of Benton

Report No: 10

Work performed by: W.G. Wahl Ltd.

Claim No	Hole No	Footage	Date	Note
P428954	WR5-76	500'	Feb./76	(1)
P428951	WR6-76	501'	March/76	(1)

Notes: (1) #60-76



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Claim Lake

Womoda River

Oppeesway

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Benton Tp.
 #60-76

805

W. G. WAHL LIMITED
WOMAN RIVER PROJECT
DIAMOND DRILL PROGRAM

HOLE: WR 5-76

BENTON TOWNSHIP


LOCATION: Lat.60+00mS DIP: 45° @ 0' BEARING: N 25°E
 Dep.120+00mW 42° @ 500'

LENGTH: 500 feet CORE SIZE: BQ CLAIM No: P. 428954

DATE STARTED: February 29, 1976

DATE FINISHED: March 3, 1976

LOGGED BY:


David G. Wahl, P. Eng.
Consulting Engineer.

W.R. 5 - 76

<u>FEET</u>	<u>CORE RECOVERED</u>	
0 - 12		Casing overburden
12 - 26	9' competent	Andesite Flow: medium to light green, fine grained, uniform colour and grainings to 1mm, salted with 1mm feldspar laths, a filagree of 1mm <u>carbonate veinlets</u> with no orientation.
26 - 35.5	9.5 competent	Andesite Flow continued
35.5 - 45.5	10' competent	Andesite Flow continued: 100mm <u>leached zone</u> at 41'.
45.5 - 56	9.5 competent	Andesite Flow continued
56 - 66	10' competent	Andesite Flow continued: at 61 a 25mm <u>irregular carbonate vein</u> at 40° to core
		<u>slightly brecciated zones</u> irregularly spaced up to 400mm maybe flow tops or contact between flows. The andesite is very fine grained at these locations.
66 - 76	10' competent	Andesite starting at 68 and to 85' occasional blotches of <u>Pyrite</u> - rock becomes finer grained - no salting with feldspar.
76 - 86	10' competent	Andesite Flow continued
86 - 96	10' competent	Andesite Flow continued: fine grained same as 12-26 feet, at 89' 150mm quartz vein no sulphide.
96 - 106	10' competent	Andesite Flow continued

<u>FEET</u>	<u>CORE RECOVERED</u>	
106 - 116	10' competent	Andesite Flow continued: 5mm veinlet of <u>Pyrrhotite</u> as 110.5.
116 - 126	10' competent	Andesite Flow continued
126 - 136	10' competent	Andesite Flow continued
136 - 146	10' competent	Andesite Flow continued
146 - 156	10' competent	Andesite Flow continued
156 - 166	10' competent	Andesite Flow continued: but darker green and slightly coarser grain starting at 163 to 181.
166 - 176	10' competent	Andesite Flow continued
176 - 186	10' competent	Andesite Flow continued
186 - 196	10' competent	Andesite Flow continued
196 - 206	10' competent	Andesite Flow continued: 40mm blotches of fine grained pyrite and pyrrhotite; salting by feldspar starting at 196 to 214', <u>epidote alteration</u> 25mm at 203
206 - 216	10' competent	Andesite Flow continued: starting at 206 to 240' blotches of lighter colour possible alteration - <u>epidote</u> at 214.
216 - 226	10' competent	Andesite flow continued: blotches of <u>epidote alteration</u> at 217 and 219
226 - 236	10' competent	Andesite Flow continued
236 - 246	10' competent	Andesite Flow continued: commencing at 240 to 254 massive, slightly coarser in grain size.

<u>FEET</u>	<u>CORE RECOVERED</u>	
246 - 256	10' competent	Andesite at 254 to 275 slightly brecciate may be flow top, some tuff filling, ✓ breccia, epidote at 255.
256 - 266	10' competent	Andesite Flow continued
266 - 276	10' competent	Andesite Flow continued: splotches of pyrrhotite at 267 and 271. Feldspar Porphyry 275 to 276 medium to fine grained 1-2mm slightly mauve - dark grey with lighter spots.
276 - 284	8' competent	Feldspar Porphyry continued - 279-284 → Graphitic Argillite and Rhyolite Tuff, fine grained, 1mm light greenish grey and black layers to 600mm thinly bedded to 2m at 65° to core. Greenish grey - Rhyolite Tuff Black - Graphitic Argillite Black sections - variegated with thin and at times irregular white quartz seams with pyrite seams some of which have ✓ soft red hematite staining.
284 - 294	10' competent	Graphitic Argillite and Rhyolite Tuff continued
294 - 302	8' competent	Graphitic Argillite and Rhyolite Tuff continued - 297-302 Feldspar Porphyry medium to fine grained grey slightly mauve colour mottled.

<u>FEET</u>	<u>CORE RECOVERED</u>	
302 - 306	4' competent	Feldspar Porphyry to 304' then fine grained, dove coloured, thinly and irregularly layered tuff.
306 - 316	10' competent	20mm graphite band at 308' and again a 25mm layer of 313 at 65° to core, also at 314. <u>Massive pyrite</u> at 306 and 307 and from 305 to 308 pyrite average 40% of core. (Transition zone of Rhyolite Tuff and Graphitic Argillite 302-328 26').
316 - 326	10' competent	Graphitic Argillite -Tuff
326 - 336	10' competent	Graphitic Argillite _ Tuff to 328 was dark greenish Black - thin irregular bedding of dark and white quartz to 1mm -
336 - 346	10' competent	Rhyolite Flow - 336 contact at 50° to core very fine grained, dove grey - with light grey spots to 2mm. Spots irregular and from 1 to 15% of rock.
346 - 356	10' competent	Rhyolite Flow
356 - 364	8' competent	Rhyolite at 358 a 400mm dark green andesitic dyke - Rhyolite becomes progressively more mottled and up to 10mm towards 396'.
364 - 375	10' competent	Rhyolite Flow continued
375 - 385	10' competent	Rhyolite Flow continued
385 - 391	6' competent	Rhyolite Flow continued

<u>FEET</u>	<u>CORE RECOVERED</u>	
391 - 396	5' competent	Rhyolite Flow continued
396 - 406	10' competent	Rhyolite Flow from 396 to 417 Rhyolite more uniformly spotted and darker grey
406 - 416	10' competent	Rhyolite Flow continued
416 - 426	10' competent	Rhyolite at 417 to 443 becomes mauve to dark red grey.
426 - 436	10' competent	Rhyolite Flow continued
436 - 446	10' competent	Rhyolite Flow continued - between 443-450 no spots dark reddish grey.
446 - 456	10' competent	Rhyolite Flow continued - loses reddish tinge and spots at 450 to 473'.
456 - 463	7' competent	Rhyolite Flow continued
463 - 473	10' competent	Rhyolite Flow continued
473 - 475	2' competent	Rhyolite spotted and dark grey from 473'.
475 - 485	10' competent	Rhyolite Flow continued
485 - 495	10' competent	Rhyolite Flow continued
495 - 500	10' competent	Rhyolite Flow continued

END OF HOLE

NOTE:

Alternating layers of no spots, fine grain with spotty coarser grain sections, together with colour change may represent individual flow:

example - 336 - 360	fine grained grey few spots	(Top)
360 - 443	increasing spots and grain size and red colour	(middle of flow)
443 - 450	No spots, reddish colour	(bottom of flow)
450 - 473	No spots, grey colour	(top of flow)
473 - 500	Spotted and dark grey	(middle of flow)

No Sample

Dip at 500' $51\frac{1}{2}^{\circ}$ uncorrected.

W. G. WAHL LIMITED
WOMAN RIVER PROJECT
DIAMOND DRILL PROGRAM

HOLE: WR 6 - 76

BENTON TOWNSHIP

LOCATION: Lat. 105+00mS
Dep. 236+00mE

DIP: - 45° @ 0'
37.5' @ 501'

BEARING: N 25°E

LENGTH: 501 feet

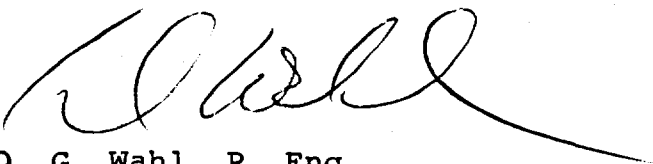
CORE SIZE BQ

CLAIM NO: P-428951

DATE STARTED: MARCH 4, 1976

DATE FINISHED: MARCH 7, 1976

LOGGED BY



D. G. Wahl, P. Eng.
Consulting Engineer.

BENTON TOWNSHIP

<u>FEET</u>	<u>CORE RECOVERED</u>	
0 - 12		Casing overburden
12 - 17	5' competent	Andesite Flow: dark green fine grained, 1mm uniform colour and grain size, massive. Grey feldspar laths 1mm, 40%, amphiboles chlorite 60% - occasional quartz veinlet to 8mm.
17 - 26	9' competent	Andesite Flow continued
26 - 36	10' competent	Andesite Flow continued
36 - 46	10' competent	Andesite Flow continued
46 - 56	10' competent	Andesite Flow continued
56 - 66	10' competent	Andesite Flow continued: to 62 then at sharp contact at 50° to core light mauve, changing to reddish brown at 64' white feldspar to 3mm in 1mm reddish matrix.
66 - 76	10' competent	Feldspar Porphyry continued
76 - 86	10' competent	Feldspar Porphyry continued
86 - 96	10' competent	Feldspar Porphyry continued to 94.5 lower contact chilled, porphyry loses reddish colour gradually starting at 86 becomes grey at 94.5'. Then andesite flow similar to above 12 to 62' and continues to 321.3' with changes as noted below.

<u>FEET</u>	<u>CORE RECOVERED</u>	
96 - 106	10' competent	Andesite Flow continued: occasional (irregular <u>quartz carbonate veinlet</u> 1 to 3mm.
106- 116	10' competent	Andesite Flow carry trace of pyrite
116- 126	10' competent	Andesite Flow continued
126- 136	10' competent	Andesite Flow continued
136- 146	10' competent	Andesite Flow continued
146- 156	10' competent	Andesite Flow continued
156- 166	10' competent	Andesite Flow continued
166- 176	10' competent	Andesite Flow continued
176- 186	10' competent	Andesite Flow continued
186- 196	10' competent	Andesite Flow continued
196- 206	10' competent	Andesite Flow continued
206- 216	10' competent <i>ep</i>	Andesite Flow continued: <u>epidote-quartz</u> <u>alteration</u> irregular to 20mm at 210'
216- 226	10' competent <i>py.</i>	Andesite Flow continued: epidote alter- ation at 223' and <u>pyrrhotite veinlet</u> 2mm at 220'
226- 236	10' competent	Andesite Flow continued
236- 246	10' competent	Andesite Flow continued
246- 256	10' competent	Andesite <u>epidote</u> alteration at 248-250'
256- 266	10' competent	Andesite Flow continued
266- 276	10' competent	Andesite Flow continued
276- 286	10' competent	Andesite Flow continued

<u>FEET</u>	<u>CORE RECOVERED</u>	
286 - 296	10' competent	Andesite Flow continued
296 - 306	10' competent	Andesite Flow continued: at 302' andesite becomes finer grained and lighter in colour to 320'.
306 - 316	10' competent	Andesite Flow continued
316 - 325	8' competent	Andesite Flow continued: to 320' with andesite then becoming light green, fine grained and porous, appears as a porous grey green sandstone to 321.3'. Andesite ends at 321.3'. 321.3 to 324 only 1.8" of core section has been ground. Black, fine grained, streaked with ovoids and veinlets parallel to schistosity (25° to core) of pyrite, upper and lower contact irregular and angular. (Graphitic argillite 321.3 to 324). At 324 rock becomes massive white and black variegated chert or fine grain quartz chert. Chert continued to 334.
325 - 335	10' competent	334-335 Rhyolite Tuff fine grained lmm pale olive green, massive uniform colour and composition, hard.
335 - 345	10' competent	Rhyolite Tuff continued: becomes more fine grained and slightly darker in colour.

<u>FEET</u>	<u>CORE RECOVERED</u>	
345 - 356	10' competent	Rhyolite Tuff continued
356 - 366	10' competent	Rhyolite Tuff continued: becomes dark grey occasionally mottled in light grey, spots to 4mm.
366 - 371	5' competent	Rhyolite Tuff continued: almost black with 25mm band of <u>black graphite</u> argillite at 366.5 at 55° to core. Tuff brecciated with argillite and some quartz to 368' then a 300mm layer of argillite with 1mm layers of pyrite and 25mm ovoid fragments of chert; followed by a zone of brecciated chert with argillite to 370'. 370-371 brecciated dark grey chert with irregular blotches of chert, mottled in appearance. Speck of Chalcopyrite at 368'.
371 - 376	5' competent	Grey chert bands up to 250mm alternating with creamy white chert bands up to 500mm with similar bands of white chert and brecciated chert mottled in mauve. Speck of Chalcopyrite at 372'.

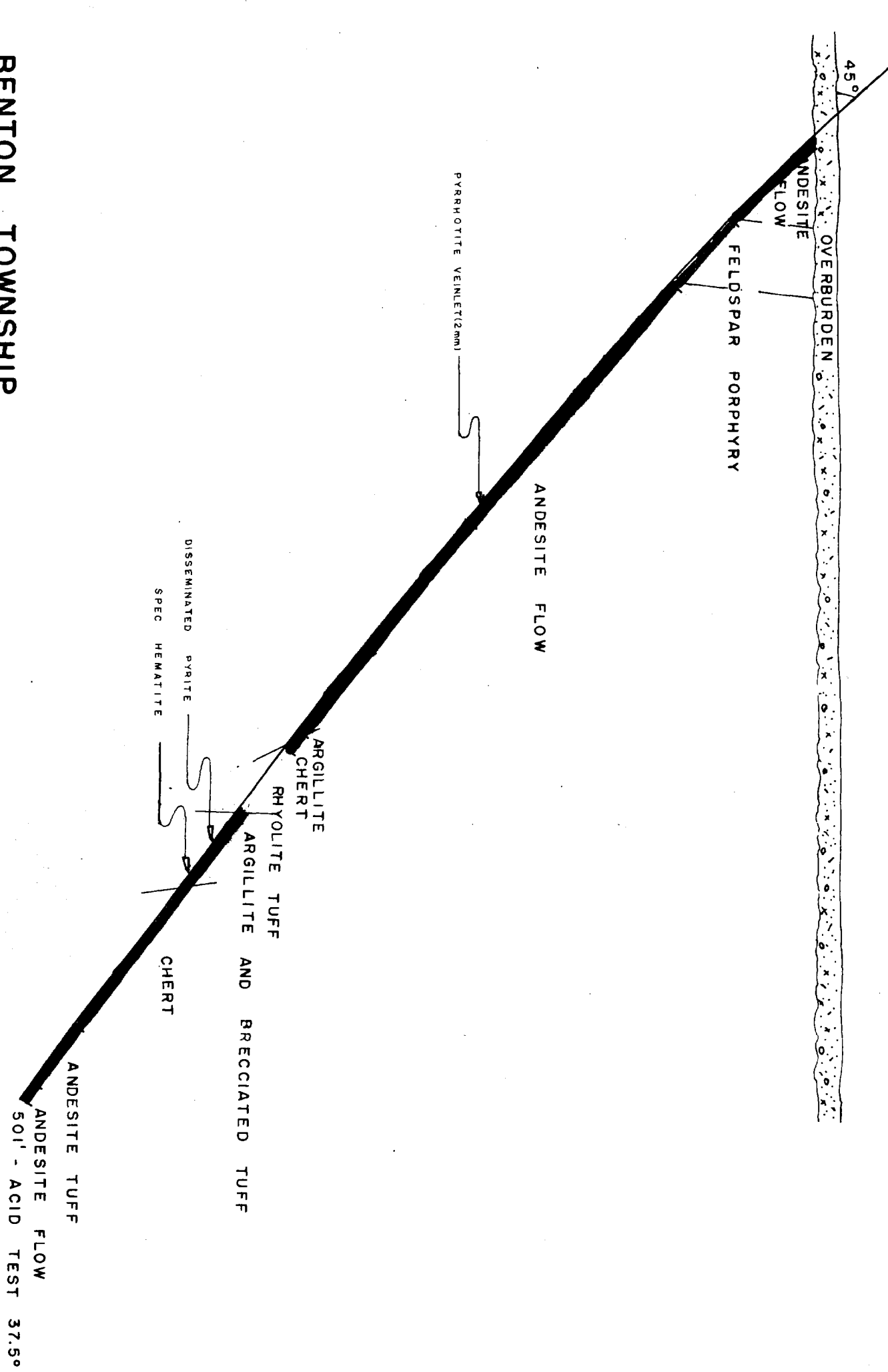
<u>FEET</u>	<u>CORE RECOVERED</u>	
376 - 386	10' competent	Chert continued: but more creamy coloured chert with some disseminated <u>pyrite</u> and two 8mm layers of pyrite at 377', 378', 381', 385', 386' and 389'.
386 - 390	4' competent	Chert continued: and/or a very fine grained quartz Chert, <u>specular hematite</u> a few 1mm grains at 395'.
390 - 397	7' competent	Chert continued: white and cream coloured
397 - 402	5' competent	Chert continued: contorted white-cream coloured, 6-5mm irregular seams of pyrite.
402 - 407	5' competent	Chert banded white cream and black - irregular up to 25mm at 45° to core. Seven pyrite layers.
407 - 412	5' competent	Chert continued: Black and grey banded to 75mm. Black (amphibole) rich thinly layered to 1mm with grey chert.
412 - 415	3' competent	Chert continued: grey
415 - 425	10' competent	Chert continued: dark grey banded with light grey and black - becoming black at 425' broken, contorted, <u>pyrite</u> layers to 20mm associated with black layers.

<u>FEET</u>	<u>CORE RECOVERED</u>	
425 - 430	5' competent	Chert continued: black to 427' contorted and brecciated with pyrite-magnetite rich layer at 429' at 30° to core.
430 - 432	2' competent	Chert continued: 75mm magnetite rich zone at 430 - red jasper and magnetite band to 5mm at 30° to core at 432.
432 - 436	4' competent	Chert continued: dark grey - red and pink jasper layers to 434', six magnetite layers to 25mm from 432' - 436'.
436 - 441	5' competent	Chert continued: grey with occasional magnetite rich layers.
441 - 448	7' competent	Chert continued: black and dark grey contorted and brecciated - pyrite associated with black chert in thin layers at 15° to core at 442 and 446 - 447'.
448 - 456	8' competent	Chert continued: light grey with sinuous band 10mm magnetite layer trending with core. Thin pyrite layers.
456 - 466	10' competent	Chert continued: variegated and banded dark grey and light grey with red jasper at 457-458'. Transition zone 459-461' from chert to light green, thinly and irregularly banded (lwr) very of a gradual

<u>FEET</u>	<u>CORE RECOVERED</u>	
466 - 476	10' competent	Andesite Tuff: becoming darker green, with occasional bleb of quartz to 20mm.
476 - 486	10' competent	Andesite Tuff continued: (460 to 494 - 34').
486 - 496	10' competent	Andesite Tuff continued: to 494 - then massive unlayered fine grained dark green flecked with 1mm feldspar laths - Andesite Flow.
496 - 501	5' competent	Andesite Flow 494 - 501 6'.

END OF HOLE.





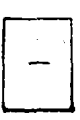
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BENTON TOWNSHIP
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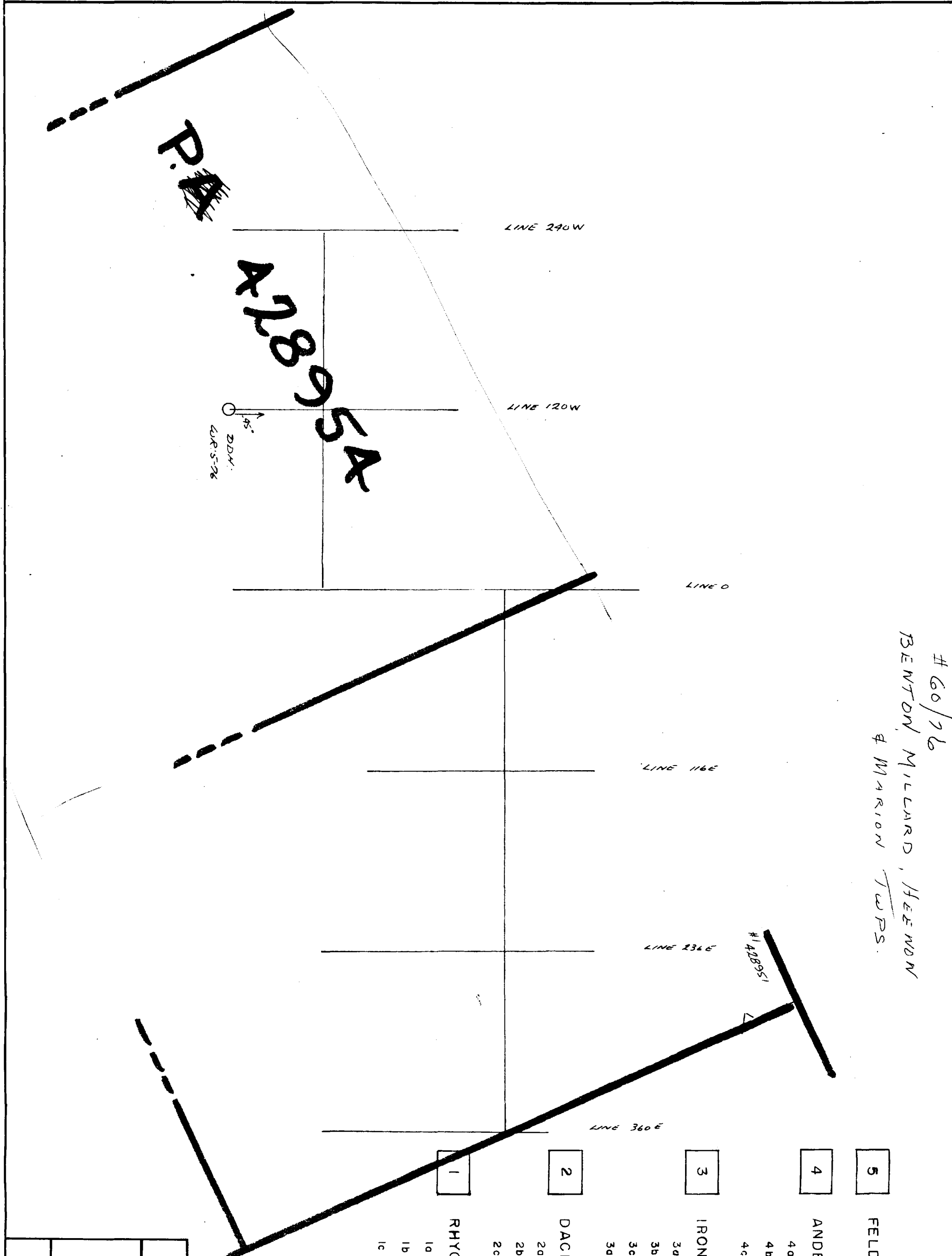
SECTION LOOKING WEST

#60776
BENTON, WALLARD, HEWSON & MARION
TUFFS.

-  FELDSPAR PORPHYRY
-  ANDESITE
 - 4a Flow
 - 4b Tuff
 - 4c Breccia
-  IRON FORMATION
 - 3a Dark-grey banded chert with magnetite
 - 3b Jasper with interbanded dark grey chert with magnetite
 - 3c Dark-grey chert breccia with magnetite
 - 3d Sulphide-facies
-  DACITE
 - 2a Flow
 - 2b Tuff
 - 2c Breccia
-  RHYOLITE
 - 1a Flow
 - 1b Tuff
 - 1c Breccia

WOMAN RIVER PROJECT		
DIAMOND DRILL HOLE		
WR: 6 - 76		
MARCH 1976		1 INCH TO 50 FEET

60/76
 BENTON, MILWARD, HEENON
 & MARION JR'S.



#1428951

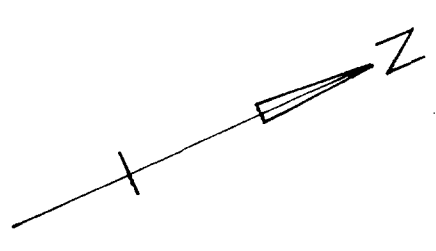
5 FELDSPAR PORPHYRY


4 ANDESITE
 4a Flow
 4b Tuff
 4c Breccia

3 IRON FORMATION
 3a Dark-grey banded chert with magnetite
 3b Jasper with interbanded dark grey chert with magnetite
 3c Dark-grey chert breccia with magnetite
 3d Sulphide-facies

2 DACITE
 2a Flow
 2b Tuff
 2c Breccia

1 RHYOLITE
 1a Flow
 1b Tuff
 1c Breccia

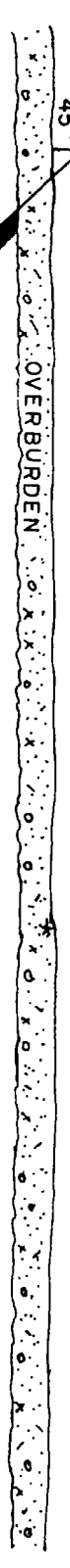


WOMAN RIVER PROJECT	
DIAMOND DRILL HOLE	
WR: 5-76	
MARCH 1976	
	1 INCH TO 200 FT

60/76

BENTON, MILLARD, HENNING & MARION TOWNS.

S N



ANDESITE FLOW

TRACE OF PYRROPHOTITE
PYRITE ZONE ~40%
GRAPHITIC ARGILLITE AND RHYOLITE TUFF
FELDSPAR PORPHYRY
GRAPHITIC ARGILLITE AND RHYOLITE TUFF
GRAPHITIC ARGILLITE

RHYOLITE

500'-ACID TEST 42°

BENTON TOWNSHIP
L 120W

SECTION LOOKING WEST



FELDSPAR PORPHYRY



ANDESITE

4a Flow

4b Tuff

4c Breccia



IRON FORMATION

3a Dark-grey banded chert with magnetite

3b Jasper with interbanded dark grey chert with magnetite

3c Dark-grey chert breccia with magnetite

3d Sulphide-facies



DACITE

2a Flow

2b Tuff

2c Breccia



RHYOLITE

1a Flow

1b Tuff

1c Breccia

WOMAN RIVER PROJECT

DIAMOND DRILL HOLE

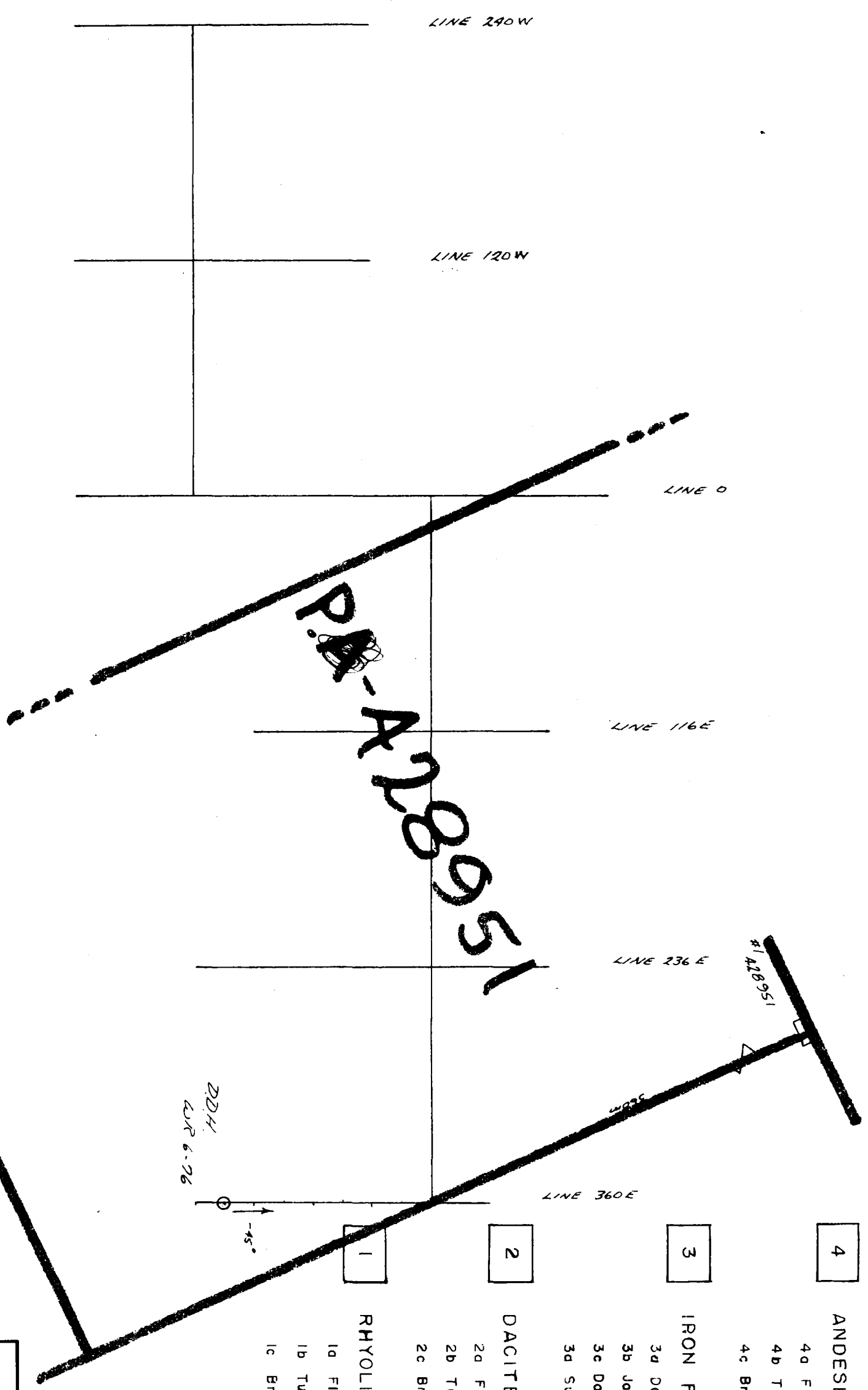
WR: 5 - 76

MARCH 1976



1 INCH TO 50 FEET

#60176
 BENTON, MALLARD, HEENAN
 & MARION TIPS.



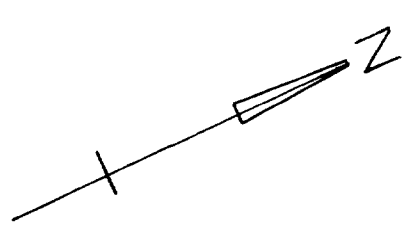
5 FELDSPAR PORPHYRY

4 ANDESITE
 4a Flow
 4b Tuff
 4c Breccia

3 IRON FORMATION
 3a Dark-grey banded chert with magnetite
 3b Jasper with interbanded dark grey chert with magnetite
 3c Dark-grey chert breccia with magnetite
 3d Sulphide-facies

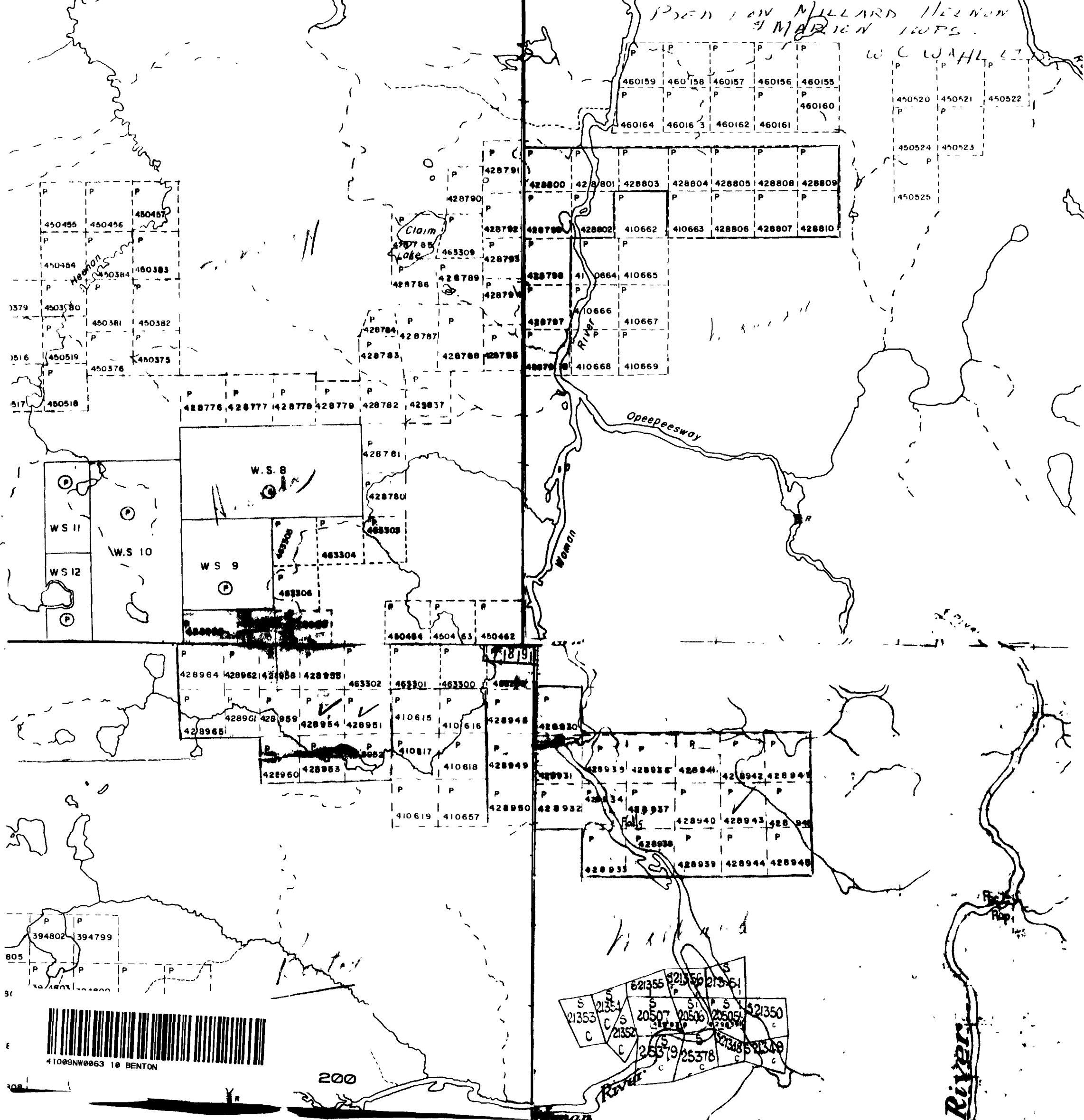
2 DACITE
 2a Flow
 2b Tuff
 2c Breccia

1 RHYOLITE
 1a Flow
 1b Tuff
 1c Breccia



WOMAN RIVER PROJECT		
DIAMOND DRILL HOLE		
WR: 6-76		
MARCH 1976		1 INCH TO 200 FT.

JOHN & MARIAN LEWIS
W C WAHL ET



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