

Samples Taken

1991

Athelstan - Jackpot

823578

Sample #	N	E	Rock Type	Date	Sampler
G 15251	0+04N	2+68E	Listwan.	04/28/91	R. Holder
G 15252	1+00S	2+82E	Sheared Serp	"	"
L 15253	0+96S	2+84E	Magnetic Serp	"	"
L 15254	3+17N	7+58E	Chert?	04/29/91	"
G 15255	3+38N	7+56E	Silt And? chert	04/29/91	"
G 15256	2+50N	7+33E	Magnetic Serp	"	"
A 15257	2+29N	7+75E	Mssx	"	"
G 15258	2+31N	7+72E	Host to S? (sed)	"	"
G 15259	2+95N	3+55E	Magnetic Serp	"	"
L 15260	4+46N	3+95E	Dyke - Dior?	04/30/91	"
G 15261	3+29N	2+48E		"	"
G 15262	5+80N	0+88E	Magnetic Serp	"	"
G 15263	6+18N	4+62E	"	"	"
L 15264	3+25N	3+55E	?	05/01/91	J James
A 15265	0+88N	4+15E	Sx in	"	"
L 15266	5+15N	4+50E	Serp?	"	" (Mary mapp)
L 15267	7+80S	0+02W	Ands	05/04/91	R Holder
G 15268	3+90N	2+00W	Serp	05/04/91	R. Holder
G 15269	3+75N	2+10E	Serp	"	"
G 15270	4+50N	3+95E	Serp	"	"
L 15271	0+90N	1+50E	Pyroxenite?	"	"
G 15272	1+25N	0+75W	Serp.	"	"

A 91-5

- 2 Trees leaning, need to be cut down + bucked (1 with $\sim 1\frac{1}{2}$ ' bark ripped off)
- one birch/older along side of rd \rightarrow buck

June 7, 1991

Aug-6

NS 337' =

END OF
PROGRAM

$$\begin{array}{r} 412 \\ \underline{.305} \\ 2060 \\ 123800 \\ \hline 125660 \end{array}$$
$$\begin{array}{r} .305 \text{ m/ft} \\ \underline{10} \\ 3.050 \end{array}$$

June 6

NS 397' - 397', D - 102' : 102'

DS 102' - 337' = 235'
(102.72m)

AJ9-5 cont.

61.60m - 397': Dirt + serp.

AJ91-6

alt (sil)^{mod} serp or Flow

46.34 - 60.66

Zone 152' - 199'

(-215')

Rest is serp -

Up at drill at 9:30
- in sil. rx - keep drilling

64.6 m +

Dist + Serp

W91-5 20h 397' 121.01m

P9

2+75W, 2+40N
to >

3+50W, 2+00N

2+75W, 2+00N

Power line

160° From

3W
3N

2+50W
2+00N

↑ 7
← 23

2+73W

2+07N

(3+60W, 1+49N) 350W 125N

Coords of AJ 91-5

2+37N 13

1+8DN 9

AJ 91-5

67' ~ 8:00pm

June 5/91

NS 67' - 232' = 165' AJ91-5
DS 232' - 397'

Quick Log AJ91-5

1+80W

-90°

2+37N

0-10' Casing

10' - 12m Def'n.

12 - 19.4m Serp + Alt Serp.

18.4 - 19.20m Qz (List)
Deform.

19.20 - 24.40m

Deform Serp

22.05 - 22.70m -
sil.

24.04 - 37.19 Serp

37.19 - 43.60 Dior

43.60 - 54.10 List

Mar, PJ

43.6 - 47.90

54.1

55.55 - 61.60

Shut drill down 9:00am

Move to AJ91-4

AJ91-4 AZ 230° Dip -88°

○ 1+40W, 3+52N

0-4.57	0	15'	Casing
4.57-15.24	15	~50'	Fine grained dior/andr
4.57-7.62	15	~25'	Fault
15.24-32.61 ⁺	50'	107' ⁺	Serp.

June 3

91-1 cont

15.24 - 35.66	50' - 117'	Serp
35.66 - 38.1	117' - 125	Dior - prop alt.
38.1 - 40.84	125 - 134'	Alt Serp? 10-15% Py.
40.84 - 42.98	134 - 141	Dior
42.98 - 46.94	141 - 154	Serp
46.94 - 50.90	154 - 167'	Dior
50.90 - 52.91	167 - 190'	Serp

June 3 1991

Night Shift

107' - 247'

AJ 91-4

Day Shift

247' - 377'

130'

AJ 91-4

→ Apparently had to change bit.

91-4 cont

57.91-59.74 190' - 196' - Filt? Beginning to be def.

59.74-61.26 196 - 201 Dyke

61.26-62.79 201 - 206⁺ Intr

62.79-71.93 206 - 236' List

71.93 - 236 - 247⁺ Dyke

(Same as top of hole 1)

6:45 pm 377'

71.93-76.2 236-250' Dyke

76.2-80.16 250-263' List

80.16-81.99 263-269' Dyke (Fg)

81.99-87.48 269-287' Serp

87.48-96.93 287-318' Dior

96.93-113.38 318-372⁺ Serp

List alt

99.67-107.24 327-352

104.24 - 107.29

342 - 352' Def'n

110.34 - 112.25
111.86 - 112.78

362 - 368
367 - 370

on rd,
halfway ←
between
2 triple
junctions

P7

1+95W, 2+30N

P8

0+65W, 1+32N

8:05 pm

A91-4

386'

(117.65)

91-4 cont

June 4/91

112.70-

115.52

370' - 379'

Blached Serp?

115.52-

115.82

379' - 380'

QZ

115.82-

117.35

380 - 385 AH Intr?

117.35-

121.31

389 - 398'

Alt.

(list) S.

121.07m

397'

10 cm wide QV

121.31-136.86

398 - 449

M. Dyke

136.86-141.73

449' - 465'

List

June 4, 1991

NS 377' - 517' - 140'

DS [517' - 552' = 35'] + [0 - 67']
AJ91-5

AJ91-4 517' (157.50m) 6:50am

91-4 cont.

142.65 - 146.91 468' - 482' List

146.91 - 150.88 482 - 495 Serp

150.88 - 151.79 495 - 498' List (M)

152.70 - 156.06 501 - 512 Si (List)

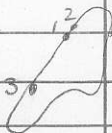
10:45am 552' EOH AJ91-5
(148.25m)

May 16, 1991

Fault?

320/10NE

297/14 N



May 26, 1991

Weather: Cloudy, Cool
Rain later in day

AJ 91-1

230° -88

Explosives Container

~2+90W, ~3+10N

⇒ 2+83W, 2+97N ←

AJ 91-~~2~~ 4

230° -90°

~1+25W, ~2+80N

(in clear cut near
explosives)

AJ 91-3

230° -88

~2+40E, ~5+00N

Under large powerline

⇒ 2+40E 5+00N ←

AJ91-~~4~~2

230° -88

~ 3+00E, BLO+00N
(Bladed Calcite Xtal Rxs)

AJ91-5

230° -90

~ 1+50E, 2+00N
Need to make rd.

- Leave ~ 5' of Casing in Hole to Mark the location
- Acid tests every 100' or at shift change, whichever comes first.
- Need a sump

Afternoon - office (cooking)

May 27, 1991

Weather: Sunshine, cool - Morning

Companion: Mary

Elevations: 4+00W, 4+75N 13100m

3+00W, 3+50N 1299m

3+50W, 4+25N 1297m

Rainbow - Morning
with Mary ≈ 3 km
walking
up + down
(good exercise)

Then to GF - picked up
supplies

Back to AJ - looked
at core

Casing/O/B	0 - 11'	(m) (3.35)
Listwanite	11' - 17.5'	5.3
Dyke	17.5 - 34'	10.36
	17.5 - (at least 125')	38.1

14' - 16'	Fault	(4.27 - 4.88)
67' - 70'	Qvn	(20.42 - 21.34)
74' - 75'	"	(22.56 - 22.86)

1500 225 N

5.2

300
N

300 W

101

300
N

300
N

300
N

101

May 28, 1991

W Colin Burge most
of the Day.

AJ 91-128

Dip: -88

2+83W, 2+97N-1

AZ: 230°

From
(m)To
(m)

0

3.35

Casing

3.35

48.28
~~5.25~~

Listwanite

5.25

9.75

Dyke - INT

Wk-Mod Carbonate

9.75

27.60

Listwanite

(strong Alt.)

[20.02 - 22.37]

Qz Vn]

27.60

48.28

Highly Deformed

48.28

80.50

Serpentine

80.50

90.1

Int. Unit

90.1 - ?

Serp

[95.5

98.65]

Qz-Py Vn

40'

4:15 pm May 28/91

42'

5:15

(416 - 421' - New zone)

~~DIET~~

Colin

May 29, 1991

7:15 am Core logging zone
core here ends at
555' (~170m)

Continuing quick log
from yesterday (AD91-1)

	(168.20m)	
90.1m - 355'		Serp
^{108.2m} 355' - ~	^{115.2} 378'	Int. Intrusive (AH)
378' - 565'	¹⁹² 641'	Serp
		W zones of high intensity alt

intense alt: (list)

415 - 427' (126.49 - 130.15)

429 - 433' (130.76 - 131.98)

447 - 449' (136.24 - 136.86)

454 - 461' (138.38 - 140.51)

57 - 519' (157.58 - 158.19)

(146.91m - 151.79m) Talc? Serp?

482 - 498 alt

(153.01 - 159.53m)

502 - 517 Maf Dyke

485 - 501'

look at hole
further
down in

at 250 m - look at
seriously.

615' (~187m) 10:45am

-on last rods, Jean-Guy
is going to go home and get
more rods - said he would be
a couple of hours

Give Mary wheel to
saw for set-screw

Beginning to log core -
afternoon

660' 6:00pm

~641' - ^{640'} Dior (the old Diorite)

680' 206m 8:50

690' 210.3m ~10:15

695' alt dior. 10:45pm

710' (216.41m) Dior - Shut
down hole

→ no acid
test

→ pull casing

Drillers thought
~1+ to pull rods,
several hours to
move.

Back up at 4:00am
Rd very muddy.
Met up w drilling
truck (sloop +
drill already
moved) on rd -
guys have stopped
→ What's up?

guess it's now:

May 30, 1991

4:33am - Moving sloop,
was down at base of
rds junctions (rd up +
around serp, + rd down to
hwy).

Hills on rd steep - pushing
casing forward in sloop.

sited + confirmed dip

~4:30am



back at house at

~5:10am

slept till 7:30am

Back at logging site 8:55am
(Talked to Gary ~20min,
on phone ~8:10am, picked
up packages at bus depot)

no new core (from
last night) → to be brought
down later?

May 31, 1991

Weather: Sunshine

Companion: Dan Mayes.

AD91-1 Cont.

641' - 710' - Intrusive

661 - ~667 - Serp?

676 - 678' "

686 - 689' "

AD91-2 (P5)
Quick Log

0 3.35m

Casing

3.35 - 55.62m

Alt Int Intrusive

11.27 - 12.27m List.

(Alt)

5.56 - 6.72m Flt

3.65 - 4.62 Flt

~15.55 - 35.16 Flt Zn.

55.62 - 66.48m

Alt, Serp + Talc (Serpentinite)

66.48 - 90.53+

Intrusive - not as altered

SX's

AI91-2 372' (113.38m) 11:10am

Shift Change : at
Core Shack 7:20pm
~ 492' #2-34

AI91-2 cont

-304' - Dior

92-108.51 304' - 356' Serp

108.51- 356' - 371', (Qz) Dior.

371 - 382 Serp

382 - 389 Dior

389 - 398 Serp

398 - 416 Dior

416 - 471 Serp

471 - 497 Dior

(151.49m)

447 Fault
(Gauge)

Mentioned had to use cat
to get truck up the hill →
do we pay for that ???

end of hole

497'

AJ-91-2

(151.48 m)

June 1, 1991

Day Shift (253') AJ91-3

Night Shift (47') AJ91-3

Weather: Sunshine

Companion: Dan Mayes

Core logging.

Moved to AJ 91-3

Began drilling early morning hours.

AJ91-3

AZ: 230°

Dip - 88°

N

E

0

1.52

(47')

Casing

1.52 - 14 32+

Serp

7:50 pm: 300'

AJ91-3

0-5' casing

5'- 241' serp

157-192' Dyke?

Fg

240- 247' list

(def) not as strong

75.2B

^{91.44} 247' - ~300' + Esp

porph

(June 2, 1991) AJ91-3 cont

247 - 367 Esp Porph

367 - 447 serp

447 - 459 Alt (List?)

459 - 477 Intr.

↑
end of hole

(145.39m)

June 2, 1991

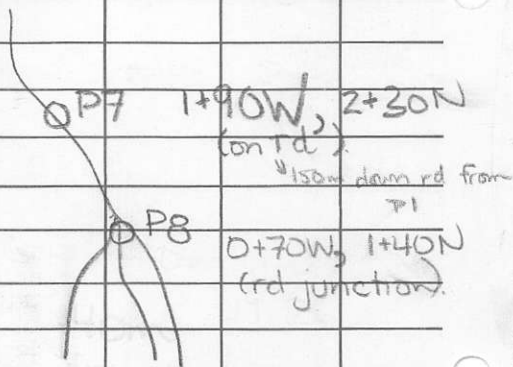
Night Shift: 350 - 447 : 50'

AJ91-3

Day Shift: 447 - 497' AJ91-3
Move to AJ91-4 : ~157'
0 - 107' (AJ91-4)

AJ91-3 - end of hole 497'

125, 350



10 away
+ 2m up.

AJ91-4 1+40W, 3+52N

230°

-88