MINNOVA INC.

HOLE NUMBER: AJ91-3 DRILL HOLE RECORD

ELEV:

METRIC UNITS: X

COLLAR DIP: -88° 0' 0" PROJECT NAME: ATHELSTAN-JACKPOT PLOTTING COORDS GRID: DRILL GRID ALTERNATE COORDS GRID: NORTH: 4+90N PROJECT NUMBER: 666 NORTH: 540.00N LENGTH OF THE HOLE: 151.48m CLAIM NUMBER: 60.00W EAST:

EAST: 2+35E START DEPTH: 0.00m ELEV: 1203.00 FINAL DEPTH: 151.48m

IMPERIAL UNITS:

o 1 11 COLLAR ASTRONOMIC AZIMUTH: 230° 0' 0" COLLAR GRID AZIMUTH:

DATE STARTED: June 1, 1991 COLLAR SURVEY: NO PULSE EM SURVEY: NO CONTRACTOR: LECLERC

1203.00

June 2, 1991 June 3, 1991 CASING: Left in hole, 1.52m DATE COMPLETED: MULTISHOT SURVEY: NO PLUGGED: NO

DATE LOGGED: HOLE SIZE: NO CORE STORAGE: Greenwood RQD LOG: NO

PURPOSE: To test possibility of thrust at base of serp.

## DIRECTIONAL DATA:

LOCATION:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
21.14	_	-89° 0'	ACID	OK		-	-	-	-	-	
92.05	-	-89° 0'	ACID	OK		-	-	-	-	-	
137.46	<u>-</u>	-89° 0'	ACID	OK -		-	<u>-</u>	<u>.</u>	-	-	
-	-	-	-	_		_	-	-	-	-	
-	_	_	_	-		_	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
_	-	-	_	-		_	-	-	_	-	
-	-	_	_	-		_	-		-	_	
-	_	_	_	-		_	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
<del>-</del>	-	-	<del>-</del>	-		-	-	-	-	-	
_	-	-	_	-		_	-	-	-	-	
<u>-</u>	-	_	_	-		_	_	-	-	_	
-	-	-	_	-		_	-	-	-	-	
-	-	-	_	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
=	=	-	-	-		-	-	-	-	-	

HOLE NUMBER: AJ91-3

## MINNOVA INC. DRILL HOLE RECORD

DATE: 17-June-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 1.52	«CASING»					
1.52 TO 47.78	«SERP»	Colour: Dark green with minor light green zones Grain Size: Very fine grained Darker green: Massive serpentinite, lighter green: waxy serpentinite Moderately magnetic Moderately foliated to massive 21.59-21.72m Foliation from to Waxy serpentinite along faults/fractures with slicks 35.13-41.05m More massive	40 50	Moderate carbonate  41.05-42.04m Quartz vein (down CA)	41.05-42.04m No visible sx	29.44-35.13m Core broken -> Fault?
47.78	«I DYKE»	41.05-42.20m Bladed, light green serpentine (blades "5cm length)> slickensides?  Fine grained diorite?		Wk-mod carbonate alt (increase carb alt	Tr py	
T0 58.52		Colour: Grey Grain Size: fine grained Massive Stippled colouring	:	with depth) With increase carb, v. wk epidote alt (rock has slight green cast)		
						55.47-58.02m Broken core, fault?
58.52 TO 75.36	«SERP»	Colour: Dark green grey with waxy green Grain size: Very fine grained Weakly foliated, brecciated Waxy serp forms as matrix to massive serp or as vnlts		Carbonate veinlets 2-3%  65.12-67.59m Increase carb (soft		
				H 3-4, white, but does not effervesce) to 5-10%; large vn ~down CA; bx frags of host within vn(s)		
		∜73.35-75.36 ≪LIST» Colour: White to light green grey Near 73.35m foliated; 73.62m, more deformed with brecciation of host rock 75.20m Veining/foliation	25	73.35-75.36m Mod-strong silic.	73.35-75.36m 2% py, 1% fg black mineral (mt?)	

HOLE NUMBER: AJ91-3

## MINNOVA INC. DRILL HOLE RECORD

DATE: 17-June-1991 HOLE NUMBER: AJ91-3

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
75.36 TO 111.27	«FP»	Colour: Medium brownish green with white phenos Grain Size: Fine grained Massive Phenocrysts: 2-5mm; subhedral; 10-15% fsp, may be the occasional quartz xtal; few altered to chl  106.90-111.27m Core more green in colour; decrease in unaltered fsp phenos to 1-2%, increase in chlorite alt phenos		Weak-mod carbonate alt  98.17-98.44m <1mm epidote alt envelope around py veinlet  106.90-111.27m Weak chloritic alt	78.8m Silvery grey metallic mineral> aspy? (tr) 98.17-98.44m py stringer: 25 deg CA; 1mm thickness  109.41m Py veinlet, 1.5mm width; discontinuous; 4mm length; ~65 deg CA	
111.27 TO 139.88	«SERP»	Colour: Dark grey green and lighter green Grain Size: Very fine grained Massive with low density of veinlets Waxy lighter green serpentine mainly as veinlets Moderate magnetism  136.00-136.67m Increase in waxy light green serp  136.67-137.88m Colour: Light green with black specks (5-10%, mt)	70	Weak carbonate alteration Low density of carbonate veinlets Minor quartz Very weak talc  125.98-126.11m Carb vein with thin bands of host rock within 126.11m Vein  136.67-137.88m Moderate talc alt	136.67-137.88m 5-10% mt, tr py	137.20-137.60m fault
		137.88-139.88⊩«LIST» Colour: White to creme, mottled with very light grey Massive, generally, with very weak foliations 3-5% mafic blebs (mt)		137.88-139.88m Strong silicification	137.88-139.88m 3-5% mt, tr py, tr fg silvery grey metallic mineral > aspy?	
139.88 TO 151.48	«D10R»	Colour: Medium grey with slight greenish brown cast Grain size: Fine grained		Very weak carbonate Silicification? (hard) Moderately bleached	3% py, 1% po, tr cpy?	
	******	*********END OF HOLE************************************	**	*********	***********	***********

DATE: 19-June-1991 HOLE NUMBER: AJ91-3 ASSAY SHEET

HOLE NUMBER: AJ91-3 GEOCHEM. SHEET DATE: 19-June-1991

Sample	From (m)	To (m)	Length (m)
25963	14.33	17.33	3.00
25965	49.38	52.38	3.00
25966	76.81	79.81	3.00
25968	119.48	122.48	3.00