HOLE NUMBER: AJ91-5

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT	PLOTTING COORDS GRID: DRILL GRID	ALTERNATE COORDS GRID:	COLLAR DIP: -90° 0' 0"
PROJECT NUMBER: 666	NORTH: 107.00N	NORTH: 2+37N	LENGTH OF THE HOLE: 121.00m
CLAIM NUMBER:	EAST: 274.00W	EAST: 1+80W	START DEPTH: 0.00m
LOCATION:	ELEV: 1265.00	ELEV: 1265.00	FINAL DEPTH: 121.00m
	COLLAR GRID AZIMUTH: ° ' "	COLLAR ASTRONOMIC AZIMUTH: ° ' "	

DATE STARTED: June 4, 1991	COLLAR SURVEY: NO	PULSE EM SURVEY: NO	CONTRACTOR: LECLERC
DATE COMPLETED: June 5, 1991	MULTISHOT SURVEY: NO	PLUGGED: NO	CASING: Left in hole, 3.05m
DATE LOGGED: June 8, 1991	RQD LOG: NO	HOLE SIZE: NQ	CORE STORAGE: Greenwood

PURPOSE: To test dip of thrust plane (deformation/listwanite) of AJ91-1.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
24.99	-	-90° 0'	ACID	OK		-	-	-	-	-	
73.76	-	-90° 0'	ACID	OK		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«CASING»					
3.05 TO 22.96	«LIST»	ǂ3.05-11.47ǂ«DEF'N» Colour: Grey to reddish to orange brown to white Contorted beds Moderate magnetism (mt) 11.47-18.26m Serp and Talc, mt alt serp ǂ14.53-18.09ǂ«SERP» 21.66-21.79m "BIZARRE TEXTURE" Vermicular like		11.47-18.26m Mod talc alt Wk carbonate alt Tr asbestos in veinlets 18.26-22.96m Mod quartz Wk carb Talc (18.26-19.43, 22.04-22.96m, Silic. mod; 19.43-22.04m, Talc alt dominant)	11.47-18.26m 5-10% mt, 1% py 18.26-22.96m tr-1% py	
22.96 TO 37.19	«SERP»	Colour: Dark to waxy lighter green Grain size: Very fine grained Massive Moderate magnetism Trace asbestos in vns		Weak carbonate (vnlts, low density)	Tr-1% py	
37.19 TO 43.80	«DIOR»	Colour: Grey-white stippled Grain Size: Fine to medium grained Massive 1% fg yellowish specks (not sx, ser?)			1% py 41.51m Py veinlet, 1mm thick 27 deg CA	
43.80 TO 61.71	«LIST»	43.80-45.55m Colour: Light yellow-creme to grey Silicified quartz breccia Brecciated Minor blue chalcedonic quartz 45.55-47.96m Colour: Light brown grey 'swirled', minor apple green 47.96-54.21m Colour: Green, white, grey/black mottled and brecciated, minor red (tr, as vnlts)		43.80-45.55m Strong silicification Tr maraposite 45.55-47.96m 2-3% maraposite Moderate silicification 47.96-54.21m Tr maraposite Moderate silicification V wk carbonate	43.80-45.55m 1% py 44.28-44.35m 3% py 45.55-47.96m 2% py 47.73-47.96m 5% py 47.96-54.21m 2% py, 1% mt	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		54.21-55.61m Alt (Bleached + Sil?) Serp?				
		55.61-56.84m Green to white with zone of light brown and brown creme weakly stippled in appearance		55.61-56.84m Weak carb Weak-mod silic. tr-1% maraposite	55.61-56.84m 2% py, 1% mt	
		56.84-59.75m (Very good list) Colour: Light grey brown with apple green zones and white quartz veining throughout (qz flooding); quartz infilled, minor brecciation		56.84-59.75m 3% maraposite Very strong silicification 57.30-57.80m Quartz flooded (vn zone) leaving original host rock clasts admist vein 59.15m Qz bx vn	56.84-59.75m 3-5% py 57.85-58.22m 10% py	
		59.75-61.71m Colour: Grey brown with white Brecciated zones Strongly veined		59.75-61.71m Mod-strong quartz carb veins	59.75-61.71m 1-2% py	
61.71 TO 93.47	«SERP»	61.71-65.10 «FP» Feldspar porphyry Feldspar phenos ~5%, avg 1mm size		61.71-66.24m Weak carbonate alt	61.71-66.24m 2% po, 1% py	
		65.10-66.24m Dior		65.10-66.24m Mod carbonate alt	65.10-66.24m Tr cpy	
		66.24-67.45m Serp, alt, brecciated		66.42-66.90m 3-5% garnet?		
		67.45-70.19m Serp has brownish green cast (Hornfelsing??, is this plausible?) Not magnetic		67.45-70.19m Weak carbonate alt	67.45-70.19m tr py	
		70.19-93.47m Serp: Colour- Dark and light green mottled -->brecciated and veined		70.19-93.47m Qz carb vns, weakly banded: (m) (width) 70 .... 74.19 4-7cm 38 .... 75.86 2cm 55 .... 77.90 6cm 45 .... 78.33 17cm 78.55 1.5cm 70 .... 78.69 3cm 70 .... 78.91 2.5cm 81.38 7.0cm 70 .... 82.38 4.0cm 15 .... 83.10 7.0cm 83.27 2.0cm 83.53 3.0cm 65 .... 84.66 2.0cm		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
			70	.... 90.50 6.0cm		
93.47 TO 102.38	«DIOR»	Colour: Dark grey and white stippled Grain Size: Medium grained Massive Moderate magnetism		Moderate Carbonate alt	2% po, fg, diss	
102.38 TO 121.01	«SERP»	Colour: Dark green grey with lighter grey-white zones Areas of brecciation Veining causes brecciation of host rock; host rock as angular fragments within vein Moderately 'deformed' (messed up) 118.92-121.01m Dior		Weak carbonate alt Weak silicification Weak talc 102.93-103.10m tr-1% maraposite 106.85-107.05m tr maraposite		
			65	... 118.87-118.92m Qz vn with pyrite along selvage		
	**********	**********END OF HOLE**********	*	**********	**********	**********

Sample	From (m)	To (m)	Length (m)	COMMENTS
25476	3.27	4.27	1.00	
25477	4.27	5.27	1.00	
25478	5.27	6.27	1.00	
25479	6.27	7.27	1.00	
25480	7.27	8.27	1.00	
25481	8.27	9.27	1.00	
25482	9.27	10.27	1.00	
25483	10.27	11.47	1.20	
25484	12.80	14.30	1.50	
25485	18.26	19.76	1.50	
25486	19.76	21.26	1.50	
25487	21.26	22.96	1.70	
25488	26.07	26.57	0.50	
25490	43.80	44.80	1.00	
25491	44.80	45.55	0.75	
25492	45.55	46.05	0.50	
25493	46.05	46.55	0.50	
25494	46.55	47.05	0.50	
25495	47.05	47.96	0.91	
25496	47.96	49.46	1.50	
25497	49.46	50.99	1.53	
25498	50.99	52.49	1.50	
25499	52.49	54.21	1.72	
25500	55.61	56.84	1.23	
25501	56.84	57.34	0.50	
25502	57.34	57.84	0.50	
25503	57.84	58.34	0.50	
25504	58.34	58.84	0.50	
25505	58.84	59.75	0.91	
25506	59.75	60.75	1.00	
25507	60.75	61.71	0.96	
25509	65.24	66.24	1.00	
25508	78.33	79.83	1.50	
25510	82.91	84.41	1.50	
25511	102.72	103.72	1.00	
25512	105.79	107.29	1.50	
25513	111.86	113.36	1.50	

Sample	From (m)	To (m)	Length (m)	
Dior 25489	38.71	41.71	3.00	
Dior 25514	95.10	98.10	3.00	