

823373

HOLE NUMBER: 87-1

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 66680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH:
EAST:
ELEV: ~~1219.00~~

ALTERNATE COORDS GRID:
NORTH: 0+ ON
EAST: 0+ OE
ELEV: ~~1219.00~~ 1244

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 46.97m
START DEPTH: 0.00m
FINAL DEPTH: 46.97m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0 COLLAR SURVEY: NO
DATE COMPLETED: 0, 0 MULTISHOT SURVEY: NO
DATE LOGGED: 0, 0 RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR: BERGERON
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

HOLE NUMBER: 87-1

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«O/B»					
3.05 TO 19.55	«LISTWANITE »				‡15.86-16.16‡«0.005oz/t Au»	
19.55 TO 46.97	«PORPH TRAC HYTE»	‡31.75-34.77‡«Serp» *****END OF HOLE*****			‡21.96-22.26‡«50% py» ‡20.44-21.96‡«0.005oz/t Au» ‡35.87-36.48‡«<0.005oz/t Au» ‡39.96-40.26‡«0.02oz/t Au» ‡41.18-41.78‡«0.032oz/t Au»	

HOLE NUMBER: 87-1

DRILL HOLE RECORD

LOGGED BY:

PAGE: 2

HOLE NUMBER: 87-2

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 66680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH: 125.00S
EAST:
ELEV: 1203.00

ALTERNATE COORDS GRID:
NORTH: 1+25S
EAST: 0+ 0E
ELEV: 1203.00 1222

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 40.87m
START DEPTH: 0.00m
FINAL DEPTH: 40.87m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0
DATE COMPLETED: 0, 0
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR: BERGERON
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

HOLE NUMBER: 87-2

DRILL HOLE RECORD

LOGGED BY:

PAGE: 1

HOLE NUMBER: 87-2

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.10	«O/B»					
6.10 TO 18.70	«LISTWANITE »	‡18.09-18.21‡«Serp»				
18.70 TO 40.87	«SERPENTINI TE»	‡21.84-22.26‡«Listwanite» *****END OF HOLE*****			‡18.7-18.88‡«0.066oz/t Au» ‡24.1-24.89‡«0.111oz/t Au» ‡32.97-33.92‡«0.005oz/t Au»	

HOLE NUMBER: 87-2

DRILL HOLE RECORD

LOGGED BY:

PAGE: 2

HOLE NUMBER: 87-3

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 6680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH: 75.00S
EAST: 50.00E
ELEV: ~~1200.00~~

ALTERNATE COORDS GRID:
NORTH: 0+75S
EAST: 0+50E
ELEV: 1200.00 *1201.00*

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 22.57m
START DEPTH: 0.00m
FINAL DEPTH: 22.57m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0
DATE COMPLETED: 0, 0
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR: BERGERON
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HOLE NUMBER: 87-3

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.49	«O/B»					
5.49 TO 8.23	«LISTWANITE »					
8.23 TO 19.09	«SERPENTINITE»					
19.09 TO 22.57	«PORPH»	*****END OF HOLE*****			20.44-20.74 «0.005oz/t Au» 21.04-21.23 «0.005oz/t Au»	

HOLE NUMBER: 87-3

DRILL HOLE RECORD

LOGGED BY:

PAGE: 2

HOLE NUMBER: 87-4

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«O/B»					
3.05 TO 9.15	«LISTWANITE »	†5.03-5.80 †«Serp» †6.71-7.2 †«Porph»				
9.15 TO 13.12	«PORPH»					
13.12 TO 43.31	«LISTWANITE »	†13.12-13.27 †«BX» †13.27-13.66 †«Serp» †13.85-14.03 †«BX» *****END OF HOLE*****			†28.52-28.82 †«0.006oz/t Au» †30.5-31.42 †«0.005oz/t Au» †31.72-32.02 †«0.005oz/t Au» †33.06-33.43 †«0.005oz/t Au» †32.51-32.64 †«0.005oz/t Au»	

HOLE NUMBER: 87-4

DRILL HOLE RECORD

LOGGED BY:

PAGE: 2

HOLE NUMBER: 87-5

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 66680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH: 21.00S
EAST: 150.00E
ELEV: ~~1192.00~~

ALTERNATE COORDS GRID:
NORTH: 0+21S
EAST: 1+50E
ELEV: ~~1192.00~~ 1195

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 31.42m
START DEPTH: 0.00m
FINAL DEPTH: 31.42m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0 COLLAR SURVEY: NO
DATE COMPLETED: 0, 0 MULTISHOT SURVEY: NO
DATE LOGGED: 0, 0 RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR:
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

HOLE NUMBER: 87-5

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.18	<<O/B>>					
5.18 TO 7.01	<<PORPH>>					
7.01 TO 13.42	<<DIOR-GABBR O>>					
13.42 TO 31.42	<<SERPENTINITE>>	*****END OF HOLE*****				

HOLE NUMBER: 87-5

DRILL HOLE RECORD

LOGGED BY:

PAGE: 2

HOLE NUMBER: 87-6

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 66680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH: 50.00S
EAST: 200.00E
ELEV: 1189.00

ALTERNATE COORDS GRID:
NORTH: 0+50S
EAST: 2+ 0E
ELEV: ~~1189.00~~ **1193**

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 20.74m
START DEPTH: 0.00m
FINAL DEPTH: 20.74m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0
DATE COMPLETED: 0, 0
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR:
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HOLE NUMBER: 87-6

DRILL HOLE RECORD

LOGGED BY:

PAGE: 1

HOLE NUMBER: 87-6

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.10	«0/B»					
6.10 TO 20.74	«SERPENTINITE»	6.25-7.93 «Listwanite» 8.23-8.72 «Listwanite» 11.89-14.88 «Listwanite» *****END OF HOLE*****				

P1

NOTE NUMBER: 91-4	TO FROM	DATE BOOK	DESCRIPTION AND SIGNATURE	TO FROM NOTE	DATE SIGNATURE	REMARKS
91-4	0.00 to 0.10	NOV 8				
91-4	0.10 to 0.20	NOV 8				
91-4	0.20 to 0.30	NOV 8				
91-4	0.30 to 0.40	NOV 8				
91-4	0.40 to 0.50	NOV 8				
91-4	0.50 to 0.60	NOV 8				
91-4	0.60 to 0.70	NOV 8				
91-4	0.70 to 0.80	NOV 8				
91-4	0.80 to 0.90	NOV 8				
91-4	0.90 to 1.00	NOV 8				

check w Gail 1st
 → John Lehtinen

LO, O

Chris Dyakoski
 → original
 Mag VLF
 original
 → soils

VLF → sees 25-30m

tonnage + grades

DATE: 12-14-11 10:01

DATE: 12-14-11 10:01

DATE: 12-14-11 10:01

HOLE NUMBER: 87-8

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: ATHELSTAN-JACKPOT
PROJECT NUMBER: 66680
CLAIM NUMBER:
LOCATION:

PLOTTING COORDS GRID:
NORTH: 50.00N
EAST: 200.00E
ELEV: 1192.00

ALTERNATE COORDS GRID:
NORTH: 0+50N
EAST: 2+ 0E
ELEV: 1192.00 *1183m*

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 43.92m
START DEPTH: 0.00m
FINAL DEPTH: 43.92m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: ° ' "

DATE STARTED: 0, 0
DATE COMPLETED: 0, 0
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE:

CONTRACTOR:
CASING:
CORE STORAGE:

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HOLE NUMBER: 87-8

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-April-1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 1.52	«O/B»					
1.52 TO 36.48	«LISTWANITE »				26.41-27.14 «0.008oz/t Au» 31.63-31.75 «0.066oz/t Au» 34.77-36.6 «0.338oz/t Au»	
36.48 TO 38.92	«PORPH»					
38.92 TO 43.92	«SERPENTINITE»	*****END OF HOLE*****				

DIAMOND DRILL LOG

Collar:	HOLE SURVEY		
	Footage	Azimuth	Dip
NORTH _____	154	46.97	90°
EAST _____			
ELEVATION _____			
AZIMUTH _____			
DIP _____			
MAP REFERENCE _____	METHOD: _____		

PROJECT MAX MINERALS INC.
 PROPERTY NAME Athelstan - Jackpot
 DRILLING CONTRACTOR Bergeron Drilling
 ASSAYER Van Geochem
 PURPOSE OF HOLE _____

HOLE NO. <u>DDH-87-1</u>
CLAIM NAME _____
COMMENCED <u>Aug 11, 1987</u>
FINISHED <u>Aug 12, 1987</u>
LOGGED BY <u>P. Lutynski</u>
DATE LOGGED _____

INTERVAL		LITHOLOGY		ALT'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	REMARKS
FROM (ft)	TO (ft)	ROCKTYPE	DESCRIPTION			FROM (m)	DIP - DIR	FROM (m)	TO (m)	WIDTH	№.	Au oz/t.	Au ppb		
3.05 - 19.55m	10	13	Listwanite	Wh, Br, W. 70-80% Qtz											
	13	16	"	Br w veinlets of Dol											
	16	24	"	Dk Gr to Lt Gr w Dol & Py											
	24	31	"	Br w Dol											
	31	36	"	Dip 25°											
	36	47	"	Poor mineralization				15.86m	16.16m						
	47	61	"	Strong Py mineralization				52	53		1 A	0.005			
	61	64.1	"	L dolometized in 50% of core				20.44	21.96						
19.55 - 31.75	64.1	83	Porphyry	Gr-Gy rk w. wh fldsp and				67	72		ID	0.005			
			Trachite	w some py. between 67' and 72'											
				rk has 50% py. from 72' to 73'											
				Dol veinlets & veins											
	83	104	"	Gr w feldspar. Poor											
				mineralization Betw 93.8 and											
				95.6 60% dol dipping 65°											
31.75 - 34.77	104.1	114	Serpentinite	Gr. w dk gr to lt gr				35.87	36.48						
				veinlets of dol some py.											
34.77 - 46.97	114	120	Porphyry	Gr. Vert .5cm thick vein				117.6	119.6		1 B	<.005			
				from 114 to 115 Py iner betw											
				117.6 to 119.6				39.96	40.26						
	120	154	"	Some py Gr w feld and				131	132		1 C	.02			
		46.97		dolomite veins				135	137		1 D	.032			
								41.18	41.78						

DIAMOND DRILL LOG

Collar:		HOLE SURVEY		
NORTH _____	Footage	Azimuth	Dip	
EAST _____	134		90°	
ELEVATION _____	46.87			
AZIMUTH _____				
DIP _____				
MAP REFERENCE _____	METHOD:			

PROJECT MAX MINERALS INC.
 PROPERTY NAME Athelstan - Jackpot
 DRILLING CONTRACTOR Bergeron Drilling
 ASSAYER Vangeochem
 PURPOSE OF HOLE _____

HOLE NO. <u>DDH-87-2</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY <u>P. Lutynski</u>
DATE LOGGED _____

61-
18.09

18.09-18.21
18.21-18.7

18.7-21.84

21.84-22.26

22.26-
40.87

INTERVAL		LITHOLOGY		ALT'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MIR
FROM (m)	TO (m)	ROCKTYPE	DESCRIPTION		FROM TO	STRUC.	DIP-DIR	FROM (m)	TO (m)	WIDTH	Nº.	Au oz/t.	Au ppb		
20	34.6	Listwanite	Yellow, Br. Gr. Rk Foliated. Some oxidization.												
34.6	59.3		Massive gr-gg rk w some py w some dolomite												
59.3	59.7	Serpentinite													
59.7	61	Listwanite	Same as above					18.70	18.88						
61	61.4	"	veinlets of py					61.3	61.9		2 A	.066			
61.4	71.6	Serpentinite	Min py. Gr-Bl soft clasts in rk												
71.6	73	Listwanite	Br. 50% of core fractured wh veins of dol.												
73	74	Serp													
74.0	74.6	"	Core broken up *					24.10	24.74						
74.6	134.0	"	Dk gr w. wh veinlets of dol and some br veinlets prob Fe (OH) ² At 88' rk changes fr gr to bl gr cubic py visible. Some mineralization from 108.1 to 111.2	0.0177 0.6616				79	81.1		2 B	.028			
							.15	81	81.6		2B-S	.464			
							.71	24.74	24.89						
								108.1	111.2		2 C	.005			
								32.97	33.92						

DIAMOND DRILL LOG

Collar:		HOLE SURVEY		
NORTH _____		Footage	Azimuth	Dip
EAST _____		74		90
ELEVATION _____		22.57m		
AZIMUTH _____				
DIP _____				
MAP REFERENCE _____		METHOD:		

PROJECT MAX MINERALS INC.
 PROPERTY NAME Athelstan - Jackpot
 DRILLING CONTRACTOR Bergeron Drilling
 ASSAYER Vangeochem
 PURPOSE OF HOLE _____

HOLE N ^o .	DDH-87-3
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
LOGGED BY	P. Lutynski
DATE LOGGED	_____

5.49-8.23
 8.23-
 19.09
 19.09-
 22.57

INTERVAL		LITHOLOGY		ALT'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	M	
FROM (m)	TO (m)	ROCKTYPE	DESCRIPTION		FROM TO	STRUC.	DIP - DIR	FROM (m)	TO (m)	WIDTH	N ^o	Au oz/t.	Au ppb			
18	27	Listwanite	Br. rk from 21 - 22.8 and 23 to 25 clearance 85°													
27	31	Serontenite	Wh - Lt gr, gy													
31	62.6	"	Dk gr w. wh veinlets and dk gr soft. min py Dip approx 45°. Some mica & dol veinlets. Min py in lenses and veinlets.													
62.6	70	Porphyry	Gr rk w. Py					20.44	20.74							
70	71.6	"	Lt. gr rk w wh veins Py					67.0	68.0		3 A	.005				
71.6	74.0	"	Py in and veinlets					69.0	69.6		3 B	.005				
								21.04	21.23							

DIAMOND DRILL LOG

Collar:		HOLE SURVEY		
NORTH _____	Footage	Azimuth	Dip	
EAST _____	142		90	
ELEVATION _____	43.31			
AZIMUTH _____				
DIP _____				
MAP REFERENCE _____	METHOD:			

PROJECT MAX MINERALS INC.
 PROPERTY NAME Athelston - Jackpot Property
 DRILLING CONTRACTOR Bergeron Drilling
 ASSAYER Vangeochem
 PURPOSE OF HOLE _____

HOLE No. <u>DDH-87-4</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY <u>P. Lutynski</u>
DATE LOGGED _____

m

3.05-5.03
 5.03-5.80
 5.80-6.71
 6.71-7.20
 7.20-9.15
 9.15-13.12
 13.12-13.27
 13.27-13.66
 13.66-13.85
 13.85-14.03
 14.03-43.31m

INTERVAL		LITHOLOGY		ALT'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG
FROM (m)	TO (m)	ROCKTYPE	DESCRIPTION		FROM TO	STRUC.	DIP-DIR	FROM (m)	TO (m)	WIDTH	Nº.	Au oz/t.	Au ppb	
10	16.5	List	Wh, gy, gr w soft bl gr zones											
			Min. Py. Dip 40°											
16.5	19.0	Serp	Soft, dk gr foliation 80%											
19.0	21.0	List	Hard, wh, gy, gr. Min Py											
21.0	21.5	"	Soft and mottled											
21.6	22.0	"	Wh. poss brecciated w. dol.											
22.0	23.6	Porphyry	Soft, Ltgr rk, mottled dip 40°											
23.6	30.0	List	Wh, dol.											
30.0	43.0	Porphyry	Gr w phechrysts											
43.0	43.5	Breccia	Dol											
43.5	44.8	Serp	Soft, some foliation											
44.8	45.4	List	Wh & massive											
45.4	46	Breccia	Br					28.52	28.82					
46	142	List	Massive, hd wh-gy rk w wh spots. some Py					93.5	94.5		4 A	.006		
								100.0	103.0		4 B	.005		
								104.0	105.0	32.02	4 C	.005		
								108.4	109.6	33.43	4 D	.005		
								106.6	107.0	32.64	4 E	.005		

DIAMOND DRILL LOG

Collar:	HOLE SURVEY		
NORTH _____	Footage	Azimuth	Dip
EAST _____			
ELEVATION _____			
AZIMUTH _____			
DIP _____			
MAP REFERENCE _____	METHOD:		

PROJECT PEARL RESOURCES LTD.
 PROPERTY NAME UNION GOLD PROJECT
 DRILLING CONTRACTOR _____
 ASSAYER MIN-EN LABORATORIES LTD.
 PURPOSE OF HOLE _____

HOLE NO. <u>BH-7</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY _____
DATE LOGGED _____

INTERVAL		ROCKTYPE	LITHOLOGY DESCRIPTION	ALT'N - MIN.	DEPTH FROM TO	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MARK
FROM (m)	TO (m)					STRUC.	DIP- DIR	FROM (m)	TO (m)	WIDTH	Nº.	Au oz/t.	Au ppb		
10	10.8	Graph??	Grey rock in small samples probably the same type of rock as below												
10.8	12.2	Graph??	A grey rock massive or white grey matrix + darker + little bit green spots. Or quartz is darker area. Later white spots the last 8" a rock changing a colour to brown not solid phase??												
12.0	14.8	Graph??	A brown ^{a little bit green} rock - yellow with spots darker in yellow												
14.8	15.8	Graph??	Heavy brown ^{green} rock with some Fe ₂ concentrations in veins and veined. Some bluish white veined.												
15.8	2.6	Graph??	Thin slab rock a red as 12.2-14.8 dark in veins.												
17.6	17.4	Graph??	A soft rock a little bit like brown may be a fault a dip small samples ~150												
18.4	124.0		A solid grey ^{matrix} matrix ^{matrix} with Fe ₂ in some patches but not too much a dark ^{grey/green} matrix matrix spots a little bit similar to 11-12 feet rock.							69.0	11.0			a nice structure with breccia zone in periphery above spots 2m wide layers	

DIAMOND DRILL LOG

BH-10

Collar:		HOLE SURVEY		
NORTH _____	EAST _____	Footage	Azimuth	Dip
ELEVATION _____	AZIMUTH _____			
DIP _____	MAP REFERENCE _____	METHOD: _____		

PROJECT PEARL RESOURCES LTD.
 PROPERTY NAME UNION GOLD PROJECT
 DRILLING CONTRACTOR _____
 ASSAYER MIN-EN LABORATORIES LTD.
 PURPOSE OF HOLE _____

HOLE NO. <u>BH-10</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY _____
DATE LOGGED _____

INTERVAL		LITHOLOGY		ALT'N-MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MIN	
FROM (m)	TO (m)	ROCKTYPE	DESCRIPTION		FROM TO	STRUC.	DIP-DIR	FROM (m)	TO (m)	WIDTH	No.	Au oz/t.	Au ppb			
		Porphyry	All the project porphyry													
93.8	96.		white veins with dolomite a kind of breccia with small amount of porphyry Also some veins of dolomite but the rock is not white but gray ~ 86 some pyrite veinlets.													
63.0	64.2	Breccia	Brown stuff probably from fault													
58.6	59.6	Breccia	with dy stuff probably fault some brown pyrite below and above breccia. some													
25.		Porph.	Gray white - with dark spots hard gray texture like #07. dip angle dipping - 40°													
100.0	101.6		A brown stuff probably fault zone.													
97.0	97.10	Polymetal	Pm + dolomite vein					97.0	97.10"		10A	.032				

Porphyry >

Beginning

DIAMOND DRILL LOG

Collar:		HOLE SURVEY		
NORTH _____		Footage	Azimuth	Dip
EAST _____				
ELEVATION _____				
AZIMUTH _____				
DIP _____				
MAP REFERENCE _____		METHOD:		

PROJECT PEARL RESOURCES LTD.
 PROPERTY NAME UNION GOLD PROJECT
 DRILLING CONTRACTOR _____
 ASSAYER MIN-EN LABORATORIES LTD.
 PURPOSE OF HOLE _____

HOLE NO. <u>BH-11</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY _____
DATE LOGGED _____

INTERVAL		ROCKTYPE	LITHOLOGY DESCRIPTION	ALT'N-MIN.	DEPTH FROM TO	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MIN
FROM (m)	TO (m)					STRUC.	DIP-DIR	FROM (m)	TO (m)	WIDTH	Nº.	Au oz/t.	Au ppb		
7.0	16.	lsch. P/	Gray green shaly rock partly solid with 'hot' solid core between 8.6-9 and 9.6-10 with a lot of brown rusty material some etc.												
16.0	22.0	lsch.	Brown with white dolomite veins and some pyrite.	lsch. nodules w/450				25.6	26.0						
22.0	22.2		In 22 a 5m rock with brown zone and a rock stone is												
22.2	25.0	lsch.	Gray Green, white from both white breccia until 24.6. From 24.6-25.0 a pink rock												
25.0	26.0	lsch.	Thin green typical hydroxide brown.					25.6	26.0		11/A	.030			
26.0	43.6	lsch.	Gray shaly white cement a little brown rock solid with FeS ₂ a biggest con. and after 30.0-30.6 and 32.6-33.6 below all become everywhere was FeS ₂ also some were 37-37.6 From 30-37.10 a rock dark grey below white a little grey and green from 39-40 White below white-green grey all solid.					30.0	33.6		11/B	.046			
								37.	37.6		11/C	.014			

DIAMOND DRILL LOG

Collar:		HOLE SURVEY		
NORTH _____		Footage	Azimuth	Dip
EAST _____				
ELEVATION _____				
AZIMUTH _____				
DIP _____				
MAP REFERENCE _____		METHOD: _____		

PROJECT PEARL RESOURCES LTD.
 PROPERTY NAME UNION GOLD PROJECT
 DRILLING CONTRACTOR _____
 ASSAYER MIN-EN LABORATORIES LTD.
 PURPOSE OF HOLE _____

HOLE NO. <u>13</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
LOGGED BY _____
DATE LOGGED _____

INTERVAL		ROCKTYPE	LITHOLOGY DESCRIPTION	ALT'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MIN
FROM (m)	TO (m)					STRUC.	DIP-DIR	FROM (m)	TO (m)	WIDTH	Nº.	Au g/t.	Au ppb		
20	20.2"		Green rock with white spots? a piece It can be a piece drilled from above												
20.2"	24.0	Serp/brk	Green massive rock cleavage ~ 70°												
24.0	28	Limb breccia	A rock with many small pieces some of the rocks fractured by the water to the clay consistency. Probably a bit FeOH ₂ minerals												
28.0	49.2	brk/serp	Green dark-grey rock from 28.0 - 30.6" has a trace of fine pyrite but ^{not} much. a phyllosilicate massive has												
49.2	66.4	Serp. black	A black massive rock - hard with some vesicles of dolomite Dipping at 40°-30° (green less 20°)	0.5" at the											
67.0	72.6	serp/brk	A green rock to top 10 cm sharply indurated with FeS ₂ 67.0-67.4" more	red breccia / brk & druse				57.0	61.4		13/A	:005			
79.6	83.0	brk/serp	Massive white green rock with a lot of ^{quartz} veins and some FeS ₂ - at the top in other places also some FeS ₂ but not much	hard rock - quartz				72.6	73.0		13/B	.005			
								73.0	82.8		13/C	.005			
								82.8	85.0		13/D	.006			
85.0	124.0	Serp.	Green with not too much dark green spots.												

14 700 150 230
25% 7.8 30

DIAMOND DRILL LOG

Collar:	HOLE SURVEY		
	NORTH _____	Footage	Azimuth
	EAST _____		Dip
	ELEVATION _____		
	AZIMUTH _____		
	DIP _____		
	MAP REFERENCE _____	METHOD:	

PROJECT PEARL RESOURCES LTD.
 PROPERTY NAME UNION GOLD PROJECT
 DRILLING CONTRACTOR _____
 ASSAYER MIN-EN LABORATORIES LTD.
 PURPOSE OF HOLE _____

HOLE No.	<u>13</u>
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
LOGGED BY	_____
DATE LOGGED	_____

INTERVAL		LITHOLOGY		ALT 'N - MIN.	DEPTH	STRUCTURE		SAMPLE				ASSAYS		VISUAL LOG	MIN	
FROM (m)	TO (m)	ROCKTYPE	DESCRIPTION			FROM	TO	STRUC.	DIP - DIR	FROM (m)	TO (m)	WIDTH	№.			Au oz/t.
		124	Between 84 - 84.6" a 1010 in pieces 70% soft soap rock Related a name of on 86-86.2 A soap green to massive the fine rock inter 124 some folia in vesicle sparsely between 109.6-113 but not to much sparsely at the beginning. 109-6-111 a dip probably ~ 55°													

