

WESTERN MINES LIMITED

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HOLE NO. 7

PROPERTY: LUCKY JACK: POPLAR

N.T.S.

LAT:

LOGGED BY: Alex Marr

DATE: Oct. /81

COLLARED: Oct. 10/81

PROJECT NO:

DEP:

SURVEYED BY: Alex Marr

DATE: Oct. /81

COMPLETED: Oct. 11/81 3 a.m.

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING:

CORE SIZE

DEPTH

HOLE CHARACTERISTICS

EQUIPMENT, RODS, BIT, etc IN HOLE.

GROUND

DRILL DECK

TOP OF CASING

LEFT IN HOLE: YES

NO

LOST

WATER

LENGTH

ELEVATION

HOLE COORD.

CAVING

CIRCULATION

POINTS

NO X

HOLE SURVEY

DEPTH	COLLAR	41.8 m						
DIP		-45°						
MAG BEARING								
GRID BEARING								
TRUE BEARING		110°						
INSTRUMENT	Brunton Transit Compass							

OBJECTIVE / COMMENTS: High-grade quartz vein the surface expression of which is found in Lucky Jack Trench #2.

part ⁴/₃ of ⁴/₃

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,129
NO.

WESTERN MINES LIMITED				Page 2 of 3				HOLE NO. 7					
DEPTH / METRES	ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS					
								Au/ppb	Au oz/Ton				
0	3.78		Casing through overburden										
3.78	37.36		grey-dark grey, hard (porphyritic andesite)										
			feldspar laths ~15%, sparse (1-2%) resorbed										
			quartz-eyes (blue)					17.9-19.4	1.5	38717	<10		
			variably carbonated-notably 6.8-20.72 m					19.4-20.7	1.3	38718	<10		
			contains carbonate in form of large blebs					20.7-22.2	1.5	38719	<10		
			1 cm & less-rock also contains disseminated										
			carbonate in this interval to ~25%					22.2-23.7	1.5	38720		.024	
			26.55-26.85 m quartz veins with										
			py & po (<3%)					23.7-25.2	1.5	38721		.026	
			23.92 m (.35 m)-qtz.-chl.										
			vein with aspy crystals (<1%)					25.2-26.5	1.3	38722		<.003	
			aspy-23.57 m -?					26.5-28.0	1.5	38723	<10		
			host rock contains ~20%										
			pyrrhotite & grading lower in the section					28.0-29.5	1.5	38724	<10		

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Poplar HOLE NO. 81-9

PROPERTY: POPLAR

N.T.S.

LAT:

LOGGED BY: Alex Marr

DATE: Oct. 17/81

COLLARED: Oct. 13, 1981

PROJECT NO: 50051

82K/6E

DEP:

SURVEYED BY: Alex Marr

DATE:

COMPLETED Oct. 14, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING:

CORE SIZE

DEPTH

HOLE CHARACTERISTICS

EQUIPMENT, RODS, BIT, etc IN HOLE:

GROUND DRILL DECK TOP OF CASING

LEFT IN HOLE: YES

NO

CAVING LOST WATER CIRCULATION POINTS

LENGTH

ELEVATION

HOLE COORD.

HOLE SURVEY

DEPTH	COLLAR	137'						
DIP		-45°						
MAG BEARING								
GRID BEARING								
TRUE BEARING		215°						
INSTRUMENT	Brunton Transit Compass							

OBJECTIVE / COMMENTS: Target: Auriferous Arsenopyrite - bearing horizon exposed in Trench LJ-2.

WESTERN MINES LIMITED

DEPTH / METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS				
									Au/ppb	Au oz/Ton			
0	3.78	Casing through overburden											
3.78	33.03	grey to dark grey, hard, massive to poorly foliated, variably contaminated volcanic- also variably carbonated (carb. in form of blebs < 1 cm)		Quartz vein at 10.57 m (2 cms) associated with fracture or fault-slickensides on hangingwall, rusty, sulphides leached, free chl.	10.9-13.2	2.3	38738	<10					
					13.2-15.5	2.3	38739	1000		.026			
					15.5-16.4	0.9	38740			.014			
		- contamination is small particles of a well dissem. argillaceous material (biotite(?))		Quartz vein at 10.93 m (1 cm) minor anastomozed & barren	16.4-18.0	1.6	38741			.034			
		- same unit found in holes 7 & 8		Quartz vein at 11.1 m (2 cm)	18.0-19.5	1.5	38742			.010			
		#8: 11-29.96M #7: 3.78-37.36 m		<< 1% py Quartz vein at 11.16m (variable)									
		- this hole does not contain the same intensity of quartz veins & veinlets as found in hole #8		strongly anastomozed-11.26 m, well mineralized in po & lesser py-host rock tends to be more chloritic	19.5-20.9	1.4	38743			.026			
		- average - 2-3% dissem. sulphides-mainly po & lesser py C.A. = 45°		Quartz vein at 11.30 m (anast.) poorly mineralized in py & lesser po (1 cm wide) C.A. = 45°	20.9-22.3	1.4	38744			.003			

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Poplar
HOLE NO. 81-10

PROPERTY: POPLAR	N.T.S.	LAT.:	LOGGED BY: Alex Marr	DATE: Oct. 17/81	COLLARED: Oct. 14, 1981
PROJECT NO: 50051	82K/6E	DEP.:	SURVEYED BY: Alex Marr	DATE:	COMPLETED: Oct. 14, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;				CASING:		CORE SIZE	DEPTH	HOLE CHARACTERISTICS			EQUIPMENT, RODS, BIT, etc IN HOLE:
LENGTH	GROUND	DRILL DECK	TOP OF CASING	LEFT IN HOLE: YES		NO	167'	CAVING	LOST CIRCULATION	WATER POINTS	
ELEVATION				NO X							
HOLE COORD											
HOLE SURVEY											
DEPT	COLLAR	167'									
DIP		90°									
MAG BEARING											
GRID BEARING											
TRUE BEARING		0									
INSTRUMENT	Brunton Transit Compass										

OBJECTIVE / COMMENTS: Target: Arsenopyrite horizon exposed in Trench LJ-2.

WESTERN MINES LIMITED				Page <u>2</u> of <u>5</u>				HOLE NO. 10					
FEET / METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS				
									Au/ppb	Au oz/Ton			
0	3.41	Casing through bedrock				11.7-13.2	1.5	38748	10				
3.41	34.26	grey to dark grey, hard, variably carbonated mafic tuff-contaminated with argillaceous component		Quartz vein @ 14.12 (4 cms)		13.2-14.4	1.2	38749	<10				
				lightly rusty, some sericite & free chlorite, poorly mineralized with sulphides		14.4-15.8	1.4	38750	<10				
				C.A. = 48°		15.8-17.4	1.6	38751	<10				
				Quartz vein at 15.30 (1 cm)		17.4-19.3	1.9	38752	2600			.05	
				minor py & po-some good		19.3-20.7	1.4	38753				.003	
				porphyritic feldspar crystals		20.7-21.5	0.8	38754				.058	
				in host rock		21.5-22.8	1.3	38755				<.003	
				Quartz vein at 19.52 m (.4 m)		22.8-24.3	1.5	38756				<.003	
				- 2 separate veining events:		24.3-25.8	1.5	38757	760			.044	
				for .1m there is quartz vein		25.8-27.2	1.4	38758	3400			.042	
				with ~10% py & lesser po.		27.2-28.7	1.5	38759	800			.038	
						28.7-30.0	1.3	38760	20				
						30.0-31.5	1.5	38761	40				

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HOLE NO. POPLAR 81-11

PROPERTY: POPLAR

N.T.S.

LAT:

LOGGED BY: Paul J. Wojdak

DATE: Oct. 21/81

COLLARED: October 15, 1981

PROJECT NO: 50051

82K/6E

DEP:

SURVEYED BY: Alex Marr

DATE:

COMPLETED: October 15, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING:

CORE SIZE

DEPTH

HOLE CHARACTERISTICS

EQUIPMENT, RODS, BIT, etc IN HOLE:

GROUND DRILL DECK TOP OF CASING

LEFT IN HOLE: YES

NO

CAVING LOST WATER CIRCULATION POINTS

LENGTH ELEVATION HOLE COORD

147'

NO X

X

HOLE SURVEY

DEPTH	COLLAR	147'						
DIP	-50°							
MAG BEARING								
GRID BEARING								
TRUE BEARING	100°							
INSTRUMENT	Brunton Transit Compass							

OBJECTIVE / COMMENTS: Auriferous quartz vein exposed and sampled in Trench LJ-2. Intersection expected approximately 25-29 m.

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HOLE NO. Poplar-81-12

PROPERTY: POPLAR

N.T.S.

LAT:

LOGGED BY: Paul J. Wojdak

DATE: Oct. 21/81

COLLARED: October 16, 1981

PROJECT NO: 50051

82K/6E

DEP:

SURVEYED BY: Alex Marr

DATE:

COMPLETED: October 17, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING:

CORE SIZE

DEPTH

HOLE CHARACTERISTICS

EQUIPMENT, RODS, BIT, etc. IN HOLE:

	GROUND	DRILL DECK	TOP OF CASING
LENGTH	107'		
ELEVATION			
HOLE COORD.			

LEFT IN HOLE: YES

NO X

HOLE SURVEY

DEPTH	COLLAR							
DIP	-47°							
MAG BEARING								
GRID BEARING								
TRUE BEARING	150°							
INSTRUMENT	Brunton Transit Compass							

OBJECTIVE / COMMENTS: Main Lucky Jack vein whose trace is determined to be 22 m at 150° on surface. Intersection anticipated at 25-30 m.

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HOLE NO. Poplar-81-13

PROPERTY: POPLAR

N.T.S.

LAT:

LOGGED BY: P.J. Wojdak

DATE: Oct. 21/81

COLLARED: Oct. 17, 1981

PROJECT NO: 50051

82K/6E

DEP:

SURVEYED BY: A. Marr

DATE: Oct. 13/81

COMPLETED: Oct. 19, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;

CASING:

CORE SIZE

DEPTH

HOLE CHARACTERISTICS

EQUIPMENT, RODS, BIT, etc IN HOLE:

Bit lost at 107 feet

GROUND DRILL DECK TOP OF CASING

LEFT IN HOLE: YES

NO

LOST

WATER

LENGTH 112 ft. (34.1 m)

NO X

CAVING

CIRCULATION

POINTS

ELEVATION

X

HOLE COORD

HOLE SURVEY

DEPTH	COLLAR								
DIP	-45°								
MAG. BEARING									
GRID BEARING									
TRUE BEARING	210°								
INSTRUMENT	Brunton								

OBJECTIVE / COMMENTS: Deep test of arsenopyrite-bearing, stratigraphic gold zone exposed in Trench LJ-2.

Intersection expected at about 35 m.

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POPLAR -
HOLE NO. 81-14

PROPERTY: POPLAR N.T.S. LAT: LOGGED BY: Paul J. Wojdak DATE: Oct. 23/81 COLLARED: Oct. 19, 1981
 PROJECT NO: 50051 82K/6E DEP: SURVEYED BY: Alex Marr DATE: COMPLETED: Oct. 22, 1981

COLLAR: CHAINED ; SURVEYED ; ESTIMATED ;				CASING: LEFT IN HOLE: YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> portion of casing unscrewed & was left	CORE SIZE NO	DEPTH	HOLE CHARACTERISTICS			EQUIPMENT, RODS, BIT, etc. IN HOLE: lost 1 bit at 140'
GROUND	DRILL DECK	TOP OF CASING	CAVING				LOST CIRCULATION	WATER POINTS		
LENGTH	42.7 m									
ELEVATION										
HOLE COORD								42.7		

HOLE SURVEY

DEPTH	COLLAR						
DIP	-45°						
MAG BEARING							
GRID BEARING							
TRUE BEARING	210°						
INSTRUMENT	Brunton Transit Compass						

OBJECTIVE / COMMENTS: Object was arsenopyrite bearing qtz. vein exposed in Xmas Trench on Marquis-Guilbert zone (Trench MG-2), expected intersection at ~34m. Hole abandoned in fault zone at 42.7.

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FEET / METRES		ROCK TYPE / ALTERATION	GRAPHIC LOG.	MINERALIZATION / STRUCTURE	% SULFIDE	SAMPLE INTERVAL	SAMPLE LENGTH	SAMPLE NO.	ASSAYS				
									Au/ppb	Au oz/Ton			
0	11.5	Casing in overburden											
11.5	42.7	Greenstone											
		- massive, medium green, fine grained, non-		1-10 mm qtz. fracture veinlets,									
		carbonated chlorite schist		average 2 per metre throughout.									
		- least altered and most homogenous green-		22.8 vuggy, rusted 2 cm qtz.-		21.4-							
		stone drilled to date		calcite vein		23.5	2.1	38786	<10				
		- no alteration envelopes on any veins		23.0 - 1 cm quartz vein									
				26.2 - 2 cm quartz vein		25.8-							
				33.6 - 6 cm quartz vein		27.1	1.3	38787	<10				
		- foliation almost non-existent but core		36.3 - 1 cm quartz vein		32.9-							
		axis angle is 90°		37.5 - 2 cm qtz.-chl. vein with		34.3	1.4	38788	<10				
		- from 41.8 becomes more schistose & last		1% py.		36.8-							
		15 cm to 42.7 is sheared and weakly				38.3	1.5	38789	<10				
		carbonated; a probable fault zone.											
		- 42.7 - bit lost in fault zone, lost water											
		circulation, tried to drill through lost				41.8-							
		bit but unable to do so.				42.7	0.9	38790	<10				