

参考文献

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添付資料:

### 地質柱状図

#### 鉍化に関する凡例

Py  
Zn

黄鉄鉍  
亜鉛鉍物

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硫化物

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分解生成物  
又は  
二次鉍物



Hole No. : MJZK-1  
 Line : 19 Elevation : 1,170 m  
 Point : 475 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
0				Surface soil	Weathered							
5		Cenozoic										
10												
15				Clay beds.								
18				Sand beds.								
20									18.00	18.84	0.84	0.5
21										19.69	0.85	0.4
22										20.53	0.84	0.7
23										21.38	0.85	0.7
24										22.22	0.84	12.6
25			Upper Roan		Light-gray, massive, rich in voids.	Oxidized						
26										22.80	0.58	14.2
27										23.30	0.50	7.0
28										23.80	0.50	6.0
29										24.80	1.00	5.8
30										25.90	1.10	12.8
31										26.10	0.20	12.4
32										27.10	1.00	4.2
33										28.10	1.00	0.6
34										29.10	1.00	8.8
35										30.10	1.00	1.2
36					Stained in reddish brown.					31.10	1.00	0.5
37										32.10	1.00	12.4
38										33.10	1.00	6.0
39										34.30	1.20	1.0
40								35.30	1.00	5.1		
41								36.30	1.00	6.3		
42								37.40	1.10	1.5		
43								38.40	1.00	0.4		
44								39.40	1.00	4.8		
45								40.40	1.00	1.2		

Depth (m)	Lithology			Zone	Minerali- zation		Assay Results										
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn						
45	[Brick pattern]	Upper Roan	Dolomite	Pinkish-gray, stained with decomposed pyrites.	Oxidized	T T T T T T T T T T T T T T T T T	T T T T T T T T T T T T T T T T T		41.40	1.00	5.2						
															42.40	1.00	4.8
															43.40	1.00	0.6
															44.40	1.00	8.4
															45.40	1.00	7.8
															46.40	1.00	11.8
															47.40	1.00	13.8
															48.40	1.00	15.6
															49.40	1.00	4.0
50															50.40	1.00	5.4
															51.40	1.00	2.1
															52.40	1.00	1.0
															53.40	1.00	7.6
55															54.40	1.00	7.8
															55.40	1.00	1.0
															56.40	1.00	1.8
															57.40	1.00	4.6
								58.40	1.00	1.3							
60				Argillaceous intercalation at an angle of 45°.													
65				ditto, at an angle of 15°.													
70																	
75				Light-gray to white													
80				Bedding at an angle of 25°.	Primary												
				Bedding at an angle of 10°.													
85				Bedding at an angle of 20°.													
90																	

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py.	Zn	from (m)	to (m)	run (m)	% Zn
95	[Brick pattern]	Upper Roan	Dolomite	Pyrite dissemination and stringers.	Primary	I					
100				Saccharoidal. Disseminated pyrites. Sphalerite specks.			I				
105				Pyrite stringers.							
110				Pyrite impregnation.							
115											
120				Pyrite stringers.							
125				Specks of pyrites.							
130				Specks of pyrites.							
135											
140				Banding at an angle of 10°.							

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
145	Upper Roan	Dolomite		Sphalerite specks and stringers.	Primary	I						
150				Clayey veinlets at 5°.								
				Saccharoidal.								
155				Banded at an angle of 15°.								
160				Specks of pyrite. Sphalerite stringers.				I				
				Banded with an angle of 15°.								
165												
170												
175				Pyrite stringers.				I				
180												
185												
190												

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Sphalerite stringers. White saccharoidal.	Primary		I				
200				Pyrite specks. Banded at 20°. Pyrite specks. Sphalerite stringers.		I	I				





Hole No. : MJZK-2  
 Line : 20 Elevation : 1,170 m  
 Point : 475 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn	
0				Surface soil	Weathered							
5		Cenozoic										
10				Clay beds.				11.00				
15				Sand beds.			14.40	14.40	3.40	5.0		
16		Upper Roan Dolomite	Dolomite	Banded, light-gray with reddish-brown staining.	Oxidized							
17										16.40	1.00	3.0
18										17.20	0.80	2.9
19										18.20	1.00	3.3
20										19.20	1.00	2.0
21										20.20	1.00	2.9
22										21.20	1.00	4.4
23										22.20	1.00	1.5
24										23.20	1.00	1.8
25										24.20	1.00	4.1
26							White, massive.			25.20	1.00	3.9
27							Stained.			26.20	1.00	3.1
28										27.20	1.00	4.5
29										28.20	1.00	4.3
30										29.20	1.00	3.0
31										30.20	1.00	1.5
32										31.20	1.00	1.3
33							32.20	1.00	1.4			
34							33.20	1.00	0.4			
35							34.20	1.00	0.4			
36				White to pale-gray, massive			35.20	1.00	2.0			
37							36.20	1.00	4.2			
38							37.20	1.00	4.4			
39							38.20	1.00	0.5			
40							39.20	1.00	0.2			
41							40.20	1.00	0.4			

Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
	Upper Roan	Dolomite		Decomposed pyrites.	Oxidized	I	40.20	41.20	1.00	1.8			
								42.20	1.00	3.7			
								43.20	1.00	1.8			
								44.20	1.00	0.7			
45						White, saccharoidal							
						Faintly banded at an angle of 10°.							
50													
						Slightly banded.							
55													
60													
						Banded at an angle of 10°.							
65													
70													
						Pyrite impregnation. Banded at 10°. Sphalerite veinlets.	Non-oxidized	I					
75										76.20	77.20	1.00	0.4
											78.20	1.00	0.2
											79.20	1.00	nil
											80.20	1.00	0.2
80											81.20	1.00	2.6
						Cavernous with a banded structure.					82.20	1.00	0.4
								83.20	1.00	0.3			
								84.20	1.00	0.3			
85								85.20	1.00	2.3			
								86.20	1.00	2.0			
								87.20	1.00	0.4			
								88.20	1.00	1.0			
								89.20	1.00	2.5			
90								90.20	1.00	1.7			

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
					Oxi.			90.20	91.20	1.00	1.1
						I	I		92.20	1.00	0.5
						I	I		93.20	1.00	0.6
						I	I		94.20	1.00	0.3
95				Pyrite and sphalerite stringers.		I	I		95.20	1.00	0.3
						I	I		96.20	1.00	1.5
						I	I		97.20	1.00	2.6
				Sphalerite veinlets with pyrite impregnation. Pyrite-sphalerite dissemination.		I	I		98.20	1.00	0.7
						I	I		99.20	1.00	0.3
100						I	I		100.20	1.00	0.7
						I	I		101.20	1.00	0.9
						I	I		102.20	1.00	1.0
						I	I		103.20	1.00	0.1
						I	I		104.20	1.00	0.1
105				Sphalerite veinlets.		I	I		105.20	1.00	1.1
						I	I		106.20	1.00	0.6
				Sphalerite veinlets.		I	I				
110						I	I				
				Sphalerite veinlets.		I	I				
115						I	I				
				Faintly banded.		I	I				
120						I	I				
				Light-gray, massive.		I	I				
125						I	I				
				Massive.		I	I				
130						I	I				
				Faint banding.		I	I				
135						I	I				
140						I	I				

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
145	[Brick pattern]	Upper Roan	Dolomite	Fine - grained, saccharoidal.	Primary	I					
150				Rich in voids.							
155				Pyrite specks.							
160											
165											
170				Pyrite specks.							
175				Faint banding at an angle of 25°.							
180				Faint banding at 15°.							
185											
190				Light - gray, compact.							

Depth (m)	Lithology			Zone	Minerali- zation		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Light - gray, fine - grained.		I					
200				Pyrite agregates. Saccharoidal.  Banded at 15°. White, banded.							



Hole No. : MJZK-3  
 Line : 20 Elevation : 1,170 m  
 Point : 575 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
0		Cenozoic		Surface soil	Weathered						
5				Sand beds							
10		Upper Roan Dolomite		Porous, banded with an angle of 10°. Sphalerite stringers.	Oxidized		I				
15				Penetrated by recrystallized dolomite veins.							
20				Sphalerite stringers.	Primary	I	I				
25				Pyrite-sphalerite stringers.		I	I				
30				Sphalerite stringers.		I	I				
35				Banded at an angle of 20°.		I	I				
40				Specks of pyrite.		I	I				
40			Recrystallized dolomite patches predominate.	I	I						



Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
45	[Brick pattern]	Upper Roan	Dolomite	Fine-grained, saccharoidal. Faintly banded with an angle of 15°.	Primary	I					
50				Pyrite impregnation.		I					
55				Micaceous - argillaceous banding at an angle of 10°.							
60				Pyrite specks and stringers associated with recrystallized dolomite patches.		I					
65											
70				Porous along recrystallized dolomite veinings.		I					
75				Specks of pyrite.		I					
80				Decomposed pyrite specks and stringers.		I					
85				Faint banding with an angle of 15°.		I					
90				Faint banding at an angle of 10°.		I					

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
95	Upper Roan	Dolomite	Porous along recrystallized dolomite patches and veins.	Primary								
100			Pyrite impregnation. Decomposed pyrite veinlets and impregnation.									
105			Stained along recrystallized dolomite veinlets.									
110			Argillaceous bandings at an angle of 10°.									
115			Decomposed pyrite impregnation.									
120			Pyrite impregnation and stringers.									
125			Argillaceous banding at an angle of 20°.									
130			Pyrite impregnation along recrystallized dolomite veining.									
135			Fine-grained, saccharoidal.									
140												

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
145	[Brick pattern]	Upper Roan	Dolomite	Stained along recrystallized dolomite patches and veinlets. Impregnated pyrites were decomposed.	Primary	-----					
150				Pyrite impregnation and stringers.							
155				Argillaceous banding with an angle of 20°.							
160				Compact, saccharoidal.							
165				Pale-gray dolomite.							
170				Specks of pyrite. Pyrite impregnation along recrystallized dolomite patches.							
175											
180				Light-gray dolomite.							
185											
190				[Triangle pattern]							

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Light-gray saccharoidal dolomite.	Primary						
200				Saccharoidal compact dolomite.							



Hole No. : MJZK-4  
 Line : 19 Elevation : 1,169 m  
 Point : 575 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
0				Surface soil	Weathered						
5											
10											
12.2				Cavity at 12.2 to 12.7 m.	Oxidized						
12.7				Brick-brown staining.				13.20	14.20	1.00	0.6
15				Banding at an angle of 5°.					15.20	1.00	4.2
16				Decomposed pyrite specks.					16.20	1.00	0.3
17									17.20	1.00	1.3
18									18.20	1.00	0.3
19									19.20	1.00	0.9
20									20.20	1.00	1.4
21									21.20	1.00	0.8
22									22.20	1.00	0.8
23									23.20	1.00	1.0
24				Rich in voids.					24.20	1.00	0.6
25									25.20	1.00	0.8
26				Porous and cemented with brick-brown dull crusts.					26.20	1.00	3.0
27									27.20	1.00	3.7
28									28.20	1.00	13.7
29									29.20	1.00	12.1
30				Light-gray dolomite.					30.20	1.00	3.0
31									31.20	1.00	1.0
32				Decomposed pyrites.					32.20	1.00	0.5
33								33.20	1.00	1.3	
34				Porous and cemented by recrystallized dolomite veins with brownish crusts.				34.20	1.00	1.5	
35								35.10	0.90	2.6	
36								36.10	1.00	3.0	
37								37.10	1.00	0.2	
38								38.10	1.00	0.2	
39								39.10	1.00	0.6	
40								40.10	1.00	0.9	

Depth (m)	Lithology			Zone	Minerali- zation		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
45	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	40.10	41.10	1.00	1.4
								42.10	1.00	3.5	
								43.10	1.00	3.5	
								44.10	1.00	1.6	
								45.10	1.00	1.3	
								46.10	1.00	5.5	
								47.10	1.00	9.5	
								48.10	1.00	0.9	
								49.10	1.00	2.1	
								50.10	1.00	1.0	
55	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	Fractures, filled with boxworks and brick-brown crusts.			
								Decomposed pyrite stringers.			
60	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	Argillaceous rapid banding between 52.5 and 70.5 m at an angle of 5 to 15°.			
								Decomposed pyrite stringers.			
75	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	Light-gray, saccharoidal dolomite.			
								Vuggy bandings of recrystallized dolomite, stained with brick-brown crusts.			
80	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	78.10	79.10	1.00	1.6
								80.10	1.00	10.7	
								81.10	1.00	2.0	
								82.10	1.00	0.1	
								83.10	1.00	1.5	
85	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	84.10	1.00	3.8	
								85.10	1.00	0.1	
90	[Brickwork pattern]	Upper	Roan	Dolomite	Oxidized	-	-	Fine-grained saccharoidal dolomite.			

Depth (m)	Lithology			Zone	Mineralization		Assay Results										
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn						
95	[Brick pattern]	Upper Roan	Dolomite	Saccaroidal dolomite, with prevailing minute veins of recrystallized dolomite.	Oxidized	-----	-----										
				Stained with recrystallized dolomite patches and with brownish crusts.									97.10	98.10	1.00	1.1	
100														99.10	1.00	1.1	
105														104.10	105.10	1.00	0.2
															106.10	1.00	4.0
															107.10	1.00	0.1
															108.10	1.00	0.2
															109.10	1.00	6.3
110															110.10	1.00	1.5
															111.10	1.00	1.8
															112.10	1.00	1.5
															113.10	1.00	3.4
115										Decomposed pyrite impregnation.					114.10	1.00	1.1
															115.10	1.00	1.0
120																	
				Light-gray, fine-grained saccharoidal dolomite.													
125																	
				Decomposed pyrite stringers.													
130																	
				Decomposed pyrite impregnation and stringers.													
135																	
				Light-gray, saccharoidal dolomite.													
140																	



Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
145	Upper Roan	Dolomite	Faint banding with an angle of 10°.	Primary	T I I I I I I I I I						
150			Fine-grained, saccharoidal dolomite.								
155			Stained with recrystallized dolomite veins and patches.								
160			Pyrite specks, associated with recrystallized dolomite veins.								
165			Argillaceous banding at an angle of 15°.								
170			Decomposed pyrite stringers.								
175			Speckled with recrystallized dolomite patches and veins.								
180			Decomposed pyrite stringers.								
185			Banding at an angle of 10°.								
190			Compact, saccharoidal.								
			Banding at an angle of 20°.								
			Prevailing veins of recrystallized dolomite.								

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Specks of decomposed pyrite.	Primary	---					
200				Fine-grained, saccharoidal dolomite.							



Hole No. : MJZK-5  
 Line : 18 Elevation : 1,169 m  
 Point : 575 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
0				Surface soil	Weathered							
5		Cenozoic						4.00				
									8.00	4.00		1.3
10				Pebble-bearing clay beds.					10.10	2.10		2.2
									11.10	1.00		0.4
								12.10	1.00		0.9	
15		Upper Roan Dolomite		Saccharoidal dolomite. Stained in brown.	Oxidized							
				Decomposed pyrites.								
				Drusy white dolomite.								
20												
								20.10	21.10	1.00	1.5	
									22.10	1.00	0.1	
25				Sphalerite patches and stringers.	Primary							
									25.10	26.10	1.00	0.6
										27.10	1.00	0.5
										28.10	1.00	0.8
30			Banded with an angle of 5°.									
35												
40												

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
	[Brick pattern]	Upper Roan	Dolomite	Pyrite specks. Banding with an angle of 10°.	Primary	I					
45				Pyrite specks and stringers.		I					
50						I					
55				Light-gray, fine- grained, saccharoidal dolomite.							
60				Banding at an angle of 5°.							
65											
70				Minute specks of pyrite.		I					
75				Saccharoidal dolomite, banded with an angle of 5°.		I					
80				Banding at an angle of 10°. Pyrite patches.		I					
85						I					
90	Chlorite-sericite veinlets at 86.0 to 86.4 m. Argillaceous banding at an angle of 10°.	I									

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
95	[Brick pattern]	Upper Roan	Dolomite	Argillaceous banding at an angle of 15°.	Primary	I					
				Specks of pyrite.		I					
				Saccharoidal dolomite.							
100				Faint banding with an angle of 10°.							
105				Compact, saccharoidal.							
				Banding with an angle of 20°.							
110				Cemented fault-breccia, at 111.3 to 111.9 m.							
115											
120				Chlorite bandings at 119.1 to 121.5 m. Pyrite specks and stringers.							
125				Argillaceous banding with an angle of 15°. Pyrite stringers.							
130											
135	Chlorite bandings at 131.6 to 133.0 m with an angle of 20°.										
	Pyrite specks and stringers.										
140	Gray argillaceous banding at an angle of 20°.										

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
145	[Brick pattern]	Upper Roan	Dolomite	Fine-grained, saccharoidal dolomite.	Primary						
150				Argillaceous banding with an angle of 20°.							
155				Argillaceous banding with an angle of 15°.							
				Pyrite stringers.		I					
160				Specks of pyrite.		I					
165				Pyrite specks and stringers.		I					
170				Argillaceous banding with an angle of 15°.		I					
175				Faint banding with an angle of 20°.							
180				Pyrite stringers at 15°.		I					
185				Porous recrystallized dolomite between 179.2 to 180.8 m. Decomposed pyrite specks.		I					
190	Banded with an angle of 10°.										
	Pyrite stringers.	x									

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Banded with an angle of 10°.	Primary						
				Intra-formational folding at 195.8 to 196.9 m.							
200				Fine-grained, saccharoidal.							
				Banding with an angle of 25°.							





Hole No. : MJZK-6  
 Line : 18 Elevation : 1,170 m  
 Point : 475 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
0				Surface soil							
5											
10				Clay beds.							
15				Sand beds.							
20											
25											
30											
35				Light-gray dolomite, fine-grained, banded with an angle of 10°.							
40											

Depth (m)	Lithology			Zone	Mineralization		Assay Results														
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn										
45	[Brick pattern]	Upper Roan	Dolomite	Grayey sericite-dolomite, banded with an angle of 30°.	Oxidized																
				Cavity at 45.1 to 45.7.																	
50													Brecciated and cemented at 47.6 to 48.9 and 49.4 to 50.2 m.				50.00	51.00	1.00	0.1	
													Cavity at 51.1 to 53.0 m. Assays are of brownish fallen sands.					51.30	0.30	3.5	
													Cavity at 53.4 to 53.7 m.					53.00	1.70	3.6	
																		54.00	1.00	0.4	
55																					
60																					
65																	63.00	64.00	1.00	0.5	
													Drusy, stained in reddish brown to yellowish brown.					65.00	1.00	3.2	
																		66.00	1.00	1.9	
																		67.00	1.00	0.6	
																		68.00	1.00	1.0	
																		69.00	1.00	6.8	
70																		70.00	1.00	3.8	
													Drusy, filled with box-works and brick-brown staining.					71.00	1.00	2.8	
																		72.00	1.00	2.2	
																		73.00	1.00	2.7	
													Sphalerite veinlet at 73.7 m.					74.00	1.00	0.2	
75																		75.00	1.00	0.7	
			Drusy with orange-brown staining.					76.00	1.00	1.0											
								77.00	1.00	1.9											
								78.00	1.00	0.5											
								79.00	1.00	0.9											
80								80.00	1.00	1.8											
			Contorted staining bands and veinlets in brown.					81.00	1.00	0.9											
								82.00	1.00	1.4											
								83.00	1.00	0.6											
								84.00	1.00	0.9											
85								85.00	1.00	0.8											
								86.00	1.00	1.6											
			Stained in orange to yellowish brown.					87.00	1.00	0.1											
								88.00	1.00	0.8											
								89.00	1.00	1.4											
90								90.00	1.00	1.7											

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
95	[Brick pattern]		Dolomite	Light-gray dolomite. Slightly stained.	Oxidized	I	I	90.00	91.00	1.00	0.7
								92.00	1.00	1.0	
								93.00	1.00	0.4	
								94.00	1.00	1.0	
								95.00	1.00	0.6	
					Non-oxidized			96.00	1.00	1.0	
								97.00	1.00	0.2	
								98.00	1.00	5.5	
								99.00	1.00	0.4	
105	[Brick pattern]		Dolomite	Stained with orange-brown rims, stringers and veinlets.	Oxidized	I	I	104.00	105.00	1.00	1.8
								106.00	1.00	8.6	
								107.00	1.00	5.0	
								108.00	1.00	2.9	
								109.00	1.00	2.4	
					Non-oxidized			110.00	1.00	2.9	
								111.00	1.00	0.8	
								112.00	1.00	5.3	
								113.00	1.00	2.4	
								114.00	1.00	1.5	
115	[Brick pattern]		Dolomite	Contorted staining bands.	Oxidized	I	I	115.00	1.00	0.9	
								116.00	1.00	0.7	
								117.00	1.00	1.7	
								118.00	1.00	2.2	
								119.00	1.00	1.1	
					Non-oxidized			120.00	1.00	0.3	
125	[Brick pattern]		Dolomite	Light-gray, fine-grained, saccharoidal.	Oxidized	I	I				
					Non-oxidized						
135	[Brick pattern]		Dolomite	Banded with an angle of 5°.	Oxidized	I	I				
					Non-oxidized						
140	[Brick pattern]		Dolomite	Slightly stained in pale orange-brown.	Oxidized	I	I				
					Non-oxidized						

Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
145	[Brick pattern]	Upper Roan	Dolomite	Pyrite stringers. ditto.	Primary	I							
150													
155				Banded with an angle of 10°.		I							
160				Porous recrystallized dolomite vein at 157.2 to 158.2 m.									
165				Light-gray, fine- grained, saccharoidal.									
170				Light-gray, fine- grained, banded and saccharoidal.									
175				Specks of pyrite.		I							
180				Banded with an angle of 20°.									
185				Decomposed pyrite patches and stringers.		I							
190				Banded with an angle of 10°. Pyrite specks and patches.		I							

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
	[Brick pattern]	Upper Roan	Dolomite	Pyrite-sphalerite veinlet of 1 cm wide at 190.1 m.	Primary	I	I	190.00	191.00	1.00	0.7
195				Pyrite-sphalerite veinlet of 0.3 cm wide at 194.0 m.		I					
200				Pyrite stringers.							
				Chlorite phyllite at 200.3 to 200.5 m with an angle of 10°.							



Hole No. : MJZK-7  
 Line : 17 Elevation : 1,170 m  
 Point : 475 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
				Surface soil							
5											
10											
15											
20											
25											
30											
35											
40				Light-gray dolomite							



Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
45					Oxidized							
50												
55												
60												
65												
70												
75												
80												
85												
90												

Depth (m)	Lithology			Zone	Mineralization		Assay Results								
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn				
95	Upper Roan Dolomite			<p>Sphalerite veinlets.</p> <p>Speckled with recrystallized dolomite patches.</p> <p>Argillaceous banding with an angle of 20°.</p> <p>Speckled with recrystallized dolomite patches.</p> <p>Fine-grained, faintly banded dolomite.</p> <p>Speckled with recrystallized dolomite patches.</p> <p>Stained in yellowish-brown along pores of recrystallized dolomite veins at 110.5 to 110.7 m.</p> <p>Speckled with recrystallized porous dolomite patches. Pores are stained with brick-brown crusts between 119.3 and 122.0 m.</p> <p>Sphalerite stringers.</p> <p>Faintly banded. Sphalerite veinlets.</p> <p>Argillaceous banding with an angle of 15°.</p> <p>Recrystallized dolomite veins predominate.</p>	Non-oxidized		I	90.10	91.10	1.00	3.2				
									92.10	1.00	1.9				
100															
105															
110															
								109.10	110.10	1.00	0.2				
									111.10	1.00	3.9				
									112.10	1.00	0.1				
115															
120															
					118.10	119.10	1.00	0.2							
						120.10	1.00	4.6							
						121.10	1.00	16.4							
						122.10	1.00	5.3							
						123.10	1.00	0.1							
125															
						124.10	1.00	0.2							
						125.10	1.00	0.2							
						126.10	1.00	0.7							
						127.10	1.00	1.8							
		128.10	1.00	0.4											
130															
		129.10	1.00	0.6											
135															
140															
				Primary											

Depth (m)	Lithology				Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn	
145	Upper Roan	Dolomite	Argillaceous banding at 10°.	Primary	I							
150			Pyrite stringers.									
155			Fine-grained, saccharoidal.									
160			Speckled with recrystallized dolomite patches.									
165			Banded with an angle of 20°.									
170			Argillaceous banding with an angle of 15°.									
175			Pyrite specks.									
180			Speckled with recrystallized dolomite patches.									
185			Argillaceous banding with an angle of 20°.									
190			Speckled with recrystallized dolomite patches.									

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Speckled with recrystal- lized dolomite patches.	Primary	----- + -----					
200				Decomposed pyrite impregnation.							



Hole No. : MJZK-8  
 Line : 17 Elevation : 1,172 m  
 Point : 375 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
5				Surface soil	Weathered						
10											
15											
20											
25											
30		Cenozoic		Pale greenish-gray talcose phyllite.							
				Dolomite/phyllite							
35				Phyllitic with an angle of 55°.							
				Alt. Dolomite/phyllite							
				Pale greenish-gray.							
40		Mwasinia				Oxidized					



Depth (m)	Lithology			Zone	Mineralization		Assay Results								
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn				
95	[Brick pattern]	Upper Roan	Dolomite	Stained in brick-brown to dark-brown along recrystallized dolomite veins.	Non-oxidized	I-I									
											93.10	94.10	1.00	0.2	
												95.10	1.00	5.0	
											96.10	1.00	0.2		
100								Banded with recrystallized dolomite veins at an angle of 30°.							
105								Argillaceous banding with an angle of 25°.							
110									Oxidized						
								Brecciated and cemented fault with an angle of 35°, stained in brown to khaki at 113.3 to 114.3 m.				112.10	113.10	1.00	0.1
													114.10	1.00	2.0
													115.10	1.00	1.9
115												116.10	1.00	0.2	
120								Vuggy micro-banding of recrystallized dolomite with an angle of 20°.	Non-oxidized						
125								Stained in brick-brown, pale-brown to khaki along recrystallized dolomite patches and veinlets.				125.00	126.00	1.00	0.5
130									Oxidized						
								127.00		1.00	1.1				
								128.00		1.00	0.2				
								129.00		1.00	0.8				
								130.00		1.00	0.1				
								131.00		1.00	1.5				
								132.00		1.00	0.2				
								133.00		1.00	1.6				
135				White saccharoidal dolomite.				134.00	1.00	0.2					
								135.00	1.00	0.8					
140				Banded with an angle of 15°. Stained along recrystallized dolomite patches.											
								138.00	1.00	0.2					
								140.00	1.00	1.2					





Depth (m)	Lithology				Zone	Minerali- zation		Assay Results							
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn				
	[Brick pattern]	Upper Roan	Dolomite	Stained in brick-brown.	Oxidized	-	-	190.00	191.00	1.00	6.2				
195															
	[Brick pattern]	Upper Roan	Dolomite	Argillaceous banding with an angle of 20°.	Oxidized	-	-								
200															



Hole No. : MJZK-9  
 Line : 18 Elevation : 1,173 m  
 Point : 375 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
0				Surface soil	Weathered						
5				Sand beds							
10				Clay beds							
15		Cenozoic			Weathered						
20											
25											
30											
35		Mwashia	Phyllite	White to pale-gray, foliated with an angle of 10° to 40°.	Oxidized						
			Dol.	Gray, banded.							
		Alter-nation	Dolomite/phyllite with iron bands.								
40		Upper Roan	Dolomite	Phyllite-intercalations in places.							

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py.	Zn	from (m)	to (m)	run (m)	% Zn
45					Oxidized	H					
50											
55											
60											
65											
70											
75											
80											
85											
90											

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
95			Dolomite	Stained with dull brick-brown crusts along recrystallized dolomite veinlets.	Non-oxid.	T	T	92.10	93.10	1.00	0.6
									94.10	1.00	16.4
			Dolomite	Banded with an angle of 20°.	Non-oxid.	T	T		95.10	1.00	5.6
									96.10	1.00	0.6
100			Dolomite	Stained in pale-yellowish brown.	Non-oxid.	T	T		97.10	1.00	0.8
									98.10	1.00	4.0
			Dolomite	Stained with brick-brown stringers.	Non-oxid.	T	T		99.10	1.00	1.2
									100.10	1.00	1.1
105			Dolomite	Stained veins of recrystallized dolomite, with brick-brown crusts.	Non-oxid.	T	T		101.10	1.00	4.0
									102.10	1.00	1.2
			Dolomite	Stained with brick-brown stringers.	Non-oxid.	T	T		103.10	1.00	2.2
									104.10	1.00	4.8
110			Dolomite	Stained veins of recrystallized dolomite, with brick-brown crusts.	Non-oxid.	T	T		105.10	1.00	3.6
									106.10	1.00	8.0
			Dolomite	Brick-brown stringers.	Non-oxid.	T	T		107.10	1.00	8.6
									108.10	1.00	16.6
115			Dolomite	Banded with an angle of 25°.	Non-oxid.	T	T		109.10	1.00	16.2
									110.10	1.00	4.2
			Dolomite	Dark-brown to brick-brown stringers.	Non-oxid.	T	T		111.10	1.00	0.8
									112.10	1.00	1.7
120			Dolomite	Rich in voids, filled with dull brown crusts.	Non-oxid.	T	T		113.10	1.00	2.2
									114.10	1.00	5.6
			Dolomite	Rich in voids, stained in yellowish to brick-brown.	Non-oxid.	T	T		115.10	1.00	1.2
									116.10	1.00	1.0
125			Dolomite	Rich in voids, filled with dull brown crusts.	Non-oxid.	T	T		117.10	1.00	2.1
									118.10	1.00	2.1
			Dolomite	Brick-brown stringers.	Non-oxid.	T	T		119.10	1.00	2.6
									120.00	1.00	1.6
130			Dolomite	Rich in voids, stained in yellowish to brick-brown.	Non-oxid.	T	T		121.00	1.00	4.8
									122.00	1.00	2.8
			Dolomite	Brick-brown stringers.	Non-oxid.	T	T		123.00	1.00	6.8
									124.00	1.00	14.0
135			Dolomite	Porous recrystallized dolomite veins, filled with dull brown crusts.	Non-oxid.	T	T		125.00	1.00	9.6
									126.00	1.00	0.9
			Dolomite	Rich in voids, stained with brick-brown to pale brown crusts.	Non-oxid.	T	T		127.00	1.00	3.2
									128.00	1.00	2.8
140			Dolomite	Argillaceous banding with an angle of 20°.	Non-oxid.	T	T		129.00	1.00	4.0
									130.00	1.00	6.8
									131.00	1.00	6.4
									132.00	1.00	7.6
									133.00	1.00	7.2
									134.00	1.00	0.7
									135.00	1.00	5.6
									136.00	1.00	2.4
									137.00	1.00	10.0
									138.00	1.00	1.2
									139.00	1.00	4.4
									140.00	1.00	3.2









Hole No. : MJZK-10  
 Line : 19 Elevation : 1,172 m  
 Point : 375 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
5		Cenozoic		Surface soil	Weathered								
				Gravel beds.									
10		Mwashia	Phyllite	Pale-brown, clayey.									
15				Brownish gray, mottled in white, yellow, gray, brown, etc.									
20													
25		Upper Roan	Dolomite	Gray dolomite, intercalations of phyllite with an angle of 35°.	Oxidized								
30				Banded with iron- staining.									
35				Cavity between 35.1 and 35.5 m. Iron bands at 35.9 to 38.4 m.									
40													

Depth (m)	Lithology				Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn	
45	[Brick pattern]	Upper Roan	Dolomite	Decomposed pyrite stringers and iron-bands.	Oxidized	T L L L L L						
				Porous with recrystallized dolomite veins.								
50				Light-gray, banded.								
				Rapidly banded black dolomite with strata-bound sphalerite veinlets.								
55												
				Sphalerite stringers, associated with recrystallized dolomite veinlets.								
60												
				Light-gray dolomite, banded with vuggy recrystallized dolomite veinlets.								
65												
				Argillaceous banding with an angle of 25°.								
				Banded with recrystallized dolomite stringers.								
75												
	Cavity at 77.2 to 77.3 m.											
80												
	Brick-brown stains.											
	Brick-brown streaks. Sphalerite and willemite.											
85												
	Brick-brown stringers.											
	Cavity at 86.8 to 87.3 m.											
	Brick-brown stains.											
90	[Diagonal hatching]											

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
95	[Brickwork pattern]	Upper Roan	Dolomite	Brick-brown to reddish-brown staining.	Oxidized	T	T	91.10	92.10	1.00	4.5
									93.10	1.00	6.7
									94.10	1.00	7.4
									95.10	1.00	4.7
									96.10	1.00	3.7
									97.50	1.40	1.3
									98.50	1.00	3.6
									99.50	1.00	5.1
									100.50	1.00	1.4
									101.50	1.00	2.0
100	[Brickwork pattern]	Upper Roan	Dolomite	Banded with vuggy recrystallized dolomite veinlets.	Oxidized	T	T		102.50	1.00	4.1
									103.50	1.00	3.8
									104.50	1.00	7.7
									105.00	0.50	15.0
105	[Brickwork pattern]	Upper Roan	Dolomite	Brick-brown stringers and patches.	Oxidized	T	T		106.00	1.00	2.4
110	[Brickwork pattern]	Upper Roan	Dolomite	Light-gray, rapidly banded dolomite with yellow ochre stains.	Oxidized	T	T				
115	[Brickwork pattern]	Upper Roan	Dolomite	Washed fractures at 111.2 to 112.1 m.	Oxidized	T	T				
120	[Brickwork pattern]	Upper Roan	Dolomite	White dolomite with staining patches.	Oxidized	T	T				
125	[Brickwork pattern]	Upper Roan	Dolomite	Porous and stained.	Oxidized	T	T				
130	[Brickwork pattern]	Upper Roan	Dolomite	Sphalerite patches, surrounded with brick-brown crust rings.	Oxidized	T	T	121.00	122.00	1.00	4.8
									123.00	1.00	1.6
									124.00	1.00	5.0
									125.00	1.00	5.1
135	[Brickwork pattern]	Upper Roan	Dolomite	Willemite patches, surrounded with brick-brown crust rings.	Oxidized	T	T		126.00	1.00	3.6
140	[Brickwork pattern]	Upper Roan	Dolomite	Speckled and rich in voids along recrystallized dolomite patches.	Oxidized	T	T				
140	[Brickwork pattern]	Upper Roan	Dolomite	Slightly stained in brown.	Oxidized	T	T				
140	[Brickwork pattern]	Upper Roan	Dolomite	Faintly banded with an angle of 15°.	Oxidized	T	T	137.00	138.00	1.00	4.7

Depth (m)	Lithology			Zone	Mineralization		Assay Results												
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn								
145	Upper Roan Dolomite			Speckled and rich in voids with recrystallized dolomite patches.	Oxidized	T I I I I I I I I I I I	T I I I I I I I I I I I												
150				Reddish brown staining.															
				Brick-brown stringers and patches. Sphalerite patches at 151.7 m.								151.00	152.00	1.00	4.0				
				Brick-brown stains.									153.00	1.00	5.0				
155				Brownish stains of irregular stringers and veinlets.									154.00	1.00	4.2				
													155.00	1.00	3.8				
													156.00	1.00	0.4				
													157.00	1.00	5.6				
													158.00	1.00	3.8				
													159.00	1.00	3.2				
160													Brownish staining.						
165													Reddish-brown staining.						
			Speckled and porous with recrystallized dolomite patches.																
170			Sphalerite-pyrite streak at 170.0 m with an angle of 20°.	Primary	I I I I I I	I I I I I I													
			Light-gray dolomite.																
175			Pyrite impregnation.																
180			Pyrite patches at 179.7, 181.9 and 182.2 m.																
			White, saccharoidal.																
185			Pyrite patches.																
190			Pyrite patches and stringers.																

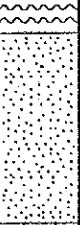
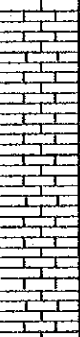



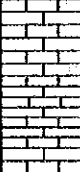

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Pyrite specks.	Primary	I					
200				Fine-grained, saccharoidal, speckled with recrystallized dolomite veinlets.		I					



Hole No. : MJZK-11  
 Line : 18 Elevation : 1,173 m  
 Point : 375 Bearing : N 40° E  
 Depth : 201 m Inclination : -45°


Depth (m)	Lithology				Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn	
0				Surface soil	Weathered							
5		Cenozoic										
10				Soil beds								
15												
20												
25				Sand beds								
30		Mwashia	Phyllite	Pale-brownish gray, deeply weathered, talcose in places.								
35												
40												



Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
		Mwa.	Phy.		Weathered						
45		Cenozoic		Sand beds							
50				Gray dolomite, banded with vuggy veinlets of recrystal-lized dolomite at an angle of 70°.	Non-oxidized						
55			Brick-brown dull crusts.								
60			Porous, stained in brown to brick-brown.								
65			Argillaceous banding with an angle of 65°.								
70			Stained with yellowish brown crusts.								
75			Brick-brown staining.								
			Brick-brown stringers.	Oxidized			73.30	74.30	1.00	2.8	
			Gray, banded dolomite, speckled with recrystal-lized dolomite patches.					75.30	1.00	5.6	
								76.30	1.00	2.3	
80			Porous and stained with brick-brown crusts.								
85			Black manganese wad in voids at 86.3 and 88.3 m.								
90			Brick-brown stringers.								



Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
145	[Brick pattern]	Upper Roan	Dolomite		Oxidized	---	---						
				Yellowish-brown patches.		---	---						
150				Yellowish-brown crusts.		---	---						
						---	---						
155				White dolomite, speckled with recrystallized dolomite veinlets.		---	---						
						---	---						
160						---	---						
						---	---						
165				Sphalerite stringers, with an angle of 40°.		---	---	Non-oxidized	---	---			
170				Brown to brick-brown stringers.		---	---	Oxidized	---	---			
175	Sphalerite stringers.	---	---	Non-oxidized	---	---							
180	Decomposed pyrite-recrystallized dolomite vein at 181.4 to 181.6 m. Banded with an angle of 40°.	---	---	Oxidized	---	---							
185	Yellowish-brown crusts in fractures.	---	---		---	---							
190		---	---		---	---							

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
		Upper Roan	Dolomite	Sphalerite patches and veinlets.	Oxi.		I				
195				Pyrite specks and stringers.	Non-oxidized	I					
200				White, fine-grained, saccharoidal dolomite, speckled and banded with recrystallized dolomite at an angle of 50°.	I						



Hole No. : MJZK-12  
 Line : 19 Elevation : 1,172 m  
 Point : 375 Bearing : N 40° E  
 Depth : 201 m Inclination : -45°

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
0				Surface soil	Weathered						
5		Cenozoic									
10											
15				Soil beds							
20			Mwa. Phy.	Weathered phyllite (?)							
			Cen.	Soil beds							
			Mwa. Phy.	Weathered phyllite (?)							
25			Cenozoic	Pebble-bearing soil beds.							
30				Banded with an angle of 60°.		Non-oxidized					
				Iron-stain banding.							
35			Cavity between 33.5 and 34.7 m.								
			Cavity at 36.8 to 37.0 m.								
40			Upper Roan Dolomite	Cavity at 39.9 to 40.4							

Depth (m)	Lithology			Zone	Mineralization		Assay Results								
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn				
45	[Brick pattern]	Upper Roan	Dolomite	Gray banded, sericite dolomite.	Non-oxidized										
50				Banding with vuggy veinlets of recrystallized dolomite.											
55				Banded with an angle of 60°.											
55				Brownish stains.								52.90	53.90	1.00	3.9
55				Rich in voids and stained along recrystallized dolomite veinlets.								54.90	1.00	4.4	
60				Yellowish-brown stringers.	55.90							1.00	1.9		
65				Speckled with recrystallized dolomite patches and veins.	56.90							1.00	6.5		
65				Phyllite intercalations at 67.1 and 67.2 m.	57.10							1.00	3.1		
70				White, banded dolomite rich in voids.											
75				Cavity at 73.8 to 74.0 m.											
80	Speckled and stained with brown to dark- brown stringers.														
85	Argillaceous banding with an angle of 45°.														
90	Speckled and stained in brown.														

Depth (m)	Lithology				Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn			
	[Brick pattern]	Upper Roan	Dolomite	White saccharoidal dolomite.	Oxidized		T I L	89.90	90.90	1.00	5.2			
95														
								Speckled and stained in brown.						
								Decomposed pyrite impregnation.						
100														
				Speckled and porous along recrystallized dolomite patches.										
105														
				Decomposed pyrite specks.										
110														
				Chocolate-brown gossany iron stains at 113.4 m.										
115				Speckled and rich in voids.										
				Chlorite banding at 119.0 m with an angle of 35°.										
120				Speckled with recrystallized dolomite patches.										
125														
				Decomposed pyrite crystals of 6 to 10 mm in diameter.										
130														
				Argillite-intercalations at 130.4 to 130.7 m with an angle of 40°.										
135														
				Speckled and porous with recrystallized dolomite veins.										
140														



Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
145	Upper Roan	Dolomite	Speckled with recrystallized dolomite patches, rich in voids.	Oxidized	I	I					
			Banded with an angle of 45°.								
			Pyrite and sphalerite stringers.	Non.	I	I					
150			Dolomite - sphalerite veins. Brecciated dolomite filled with sphalerite. Sphalerite patches and stringers.	Non-oxidized	I	I	149.80	150.80	1.00	6.2	
								151.80	1.00	5.5	
155			Banded with brownish stringers at an angle of 35°.	Oxi- dized	I	I	155.80	156.80	1.00	4.8	
160			Sphalerite patches and veinlets.				I	I			
165			White compact, saccharoidal dolomite.	Primary	I	I	I	I			
			Sphalerite stringers.								
170			Iron-stain bands and decomposed pyrite stringers.	I	I	I	I	I			
175	Banded with an angle of 40°.										
180	White, saccharoidal sericite dolomite.	I	I	I	I	I					
185	Banded with an angle of 40°.										
190											

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Pyrite specks and stringers.							
				White compact, saccharoidal dolomite.							
200				Sericite dolomite, banded with an angle of 60°.							



Hole No. : MJZK-13  
 Line : 18.5 Elevation : 1,170 m  
 Point : 525 Bearing :  
 Depth : 101 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
5		Cenozoic		Surface soil	Weathered							
10				Pebble-bearing soil beds.								
15												
20		Upper Roan Dolomite		White to light-gray dolomite. Water-worn fracture at 18.5 to 19.0 m.	Oxidized			21.00	22.00	1.00	3.0	
				White sericite dolomite. Stained in yellowish brown at 23.2 to 23.4 m.					23.00	1.00	1.3	
				Cavity at 24.1 to 25.8 m.					24.00	1.00	9.8	
25									25.00	1.00	1.6	
									26.00	27.00	1.00	2.2
									28.00	1.00	3.1	
									29.00	1.00	7.7	
30				Brownish crusts at 29.2 to 29.7 m.					30.00	1.00	8.2	
									31.00	1.00	3.3	
									32.00	1.00	nil	
									33.00	1.00	0.1	
35				Cavities at 34.2 to 34.7 and 35.7 to 35.8 m.					34.00	1.00	6.3	
							35.00	1.00	1.9			
							36.00	1.00	3.6			
40			Light-gray, speckled.									



Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
95		Upper Roan	Dolomite	Water-worn fracture at 91.0 to 91.3 m.  Sphalerite blebs and pyrite specks at 93.2 to 93.4 m. Willemite in drusy veinlets at 93.0 and 93.6 to 93.8 m.							
100				Argillaceous dolomite with a pale dark brownish tint.							



Hole No. : MJZK-14  
 Line : 19.5      Elevation : 1,170 m  
 Point : 525      Bearing :  
 Depth : 101 m      Inclination : Vertical

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results					
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn		
5		Cenozoic		Brown surface soil	Weathered								
10													
15		Upper Roan Dolomite		White dolomite. Water-worn cavities at 12.3 to 13.2 and 14.1 to 14.3 m.	Oxidized								
20				White, saccharoidal, rich in voids with recrystallized dolomite patches.									
				Water-worn fracture at 19.3 to 19.6 and 20.6 to 20.9 m.					20.00	21.00	1.00	1.4	
										22.00	1.00	3.4	
										23.00	1.00	1.0	
25													
30						Water-worn cavity at 26.6 to 26.9 m.							
						Water-worn cavities at 29.7 to 30.8 and 31.6 to 32.0 m.							
35				Cavity at 34.8 to 35.4 m.									
40				Water-worn cavities at 36.8 to 37.4, 37.5 to 37.7 and 38.0 to 38.9 m.									



Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
45	[Brick pattern]	Upper Roan	Dolomite	Speckled, porous within patches.	Oxidized							
				Non-Oxi.	I							
50				Sphalerite stringers at 48.5 to 48.9 m, 1mm wide.	Non-oxi.	I						
				Oxi.								
55				Sphalerite specks and blebs at 52.1, 52.2, 52.5, 52.7, 52.8 and 52.9 m.	Non.	I						
				Oxidized								
60				White, saccharoidal.								
65												
70												
75				Porous recrystallized dolomite veins with coarse-grained pyrites at 72.8 to 73.4 and 74.6 to 74.9 m. Pyrite stringers.	Primary	I						
80												
85												
90				White, saccharoidal.								
				Argillaceous banding at an angle of 15°.								

Depth (m)	Lithology			Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)
95	[Brick pattern]	Upper Roan	Dolomite	White, saccharoidal, massive dolomite.	Primary	I				
				Pyrite stringers at 95.4 m.						
100				White, saccharoidal, slightly speckled with recrystallized patches.		I				



Hole No. : MJZK-15  
 Line : 17.5 Elevation : 1,171 m  
 Point : 425 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
5				Brown surface soil	Weathered						
10											
15				Rubble bearing silt							
20				Clay beds	Oxidized						
25											
30				Rubble-bearing silt							
35				Gray, fine-grained dolomite.	Oxidized						
40				Banded with an angle of 25°							



Depth (m)	Lithology				Zone	Mineralization		Assay Results								
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn					
95	[Brick pattern]	Upper Roan	Dolomite	Light-gray, saccharoidal.	Oxidized	T-T	T									
100				Stained with brown to brick-brown stringers. Stained in yellowish brown.									100.00	1.00	1.0	
													101.00	1.00	7.0	
													102.00	1.00	4.9	
													103.00	1.00	0.6	
105										Stained with decomposed pyrite at 104.4 to 105.2 m.						
110										Banded with an angle of 15°.						
115																
120										White, saccharoidal.	Non-oxidized	H				
										Specks of pyrite of 4x5 mm at 123.0 m.						
125																
130				Sphalerite stringer of 1 mm wide at 128.3 m. Pyrite stringers.												
135					Oxidized											
140																

Depth (m)	Lithology				Zone	Mineralization		Assay Results						
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn			
145	Upper Roan Dolomite	Dolomite		White dolomite, speckled with recrystallized patches.	Oxidized			148.00	149.00	1.00	2.1			
150								Sphalerite stringers at 149.4 to 150.6 m. Brick-brown stains at 150.6 to 154.0 m.	Non.	150.00	1.00	5.8		
										151.00	1.00	7.0		
										152.00	1.00	8.1		
										153.00	1.00	1.9		
										154.00	1.00	1.8		
										155	White, saccharoidal.	155.00	1.00	0.6
										156.00		1.00	1.1	
										157.00		1.00	0.5	
										158.00		1.00	1.9	
159.00					1.00	14.5								
160					Tawny to yellowish brown earthy stains along pores.	160.00	1.00	9.6						
161.00						1.00	5.4							
162.00						1.00	7.0							
163.00						1.00	7.8							
164.00						1.00	1.6							
165						Sphalerite stringers with willemite at 167.6 to 167.7 m.	167.00	1.00	4.2					
169.00							1.00	2.0						
170							Sphalerite with willemite at 171.4 m.	170.00	1.00	1.8				
171.00								1.00	0.5					
172.00	1.00	1.2												
173.00	1.00	5.8												
174.00	1.00	0.3												
175	Sphalerite blebs and streaks.	175.00	1.00	5.5										
176.00		1.00	1.7											
177.00		1.00	nil											
178.00		1.00	1.4											
179.00		1.00	0.8											
180		Sphalerite blebs and stringers.	180.00	1.00	1.2									
181.00			1.00	1.2										
182.00			1.00	4.8										
183.00			1.00	1.6										
184.00	1.00		0.7											
185	Sphalerite stringers. Pyrite-sphalerite stringers.		185.00	1.00	1.3									
186.00			1.00	0.3										
187.00			1.00	0.3										
188.00			1.00	0.9										
189.00		1.00	0.6											
190		Sphalerite blebs and streaks.	190.00	1.00	1.0									
Water-worn fractures at 187.7 to 188.0 and 188.5 to 188.6 m.														

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195				Sphalerite stringers from 190.0 to 195.6 m. Accompanied with willemite in parts.	Non-oxidized		 + + + + + + 	190.00	191.00	1.00	0.5
									192.00	1.00	1.0
									193.00	1.00	6.8
									194.00	1.00	1.0
									195.00	1.00	1.8
									196.00	1.00	2.0
									197.00	1.00	1.7
200				Light-gray with a pale dark-brown tint.	Oxidized						





Hole No. : MJZK-16  
 Line : 18.5 Elevation : 1,171 m  
 Point : 425 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
5				Brownish surface soil	Weathered						
10											
15		Cenozoic			Weathered						
20				Yellowish brown pebble-bearing soil beds.							
25					Oxidized						
30											
35		Upper Roan	Dolomite	Light-gray, porous and stained with reddish brown crusts. Cavities at 33.0 to 34.6 and 34.9 to 35.4 m.	Oxidized						
40						Water-worn fractures.					

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
45											
50											
55											
60											
65											
70											
75											
80											
85											
90											

Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
95	[Brick pattern]	Upper Roan	Dolomite	Sphalerite blebs at 91.45 m being of 8×9 and 2×8 mm.	Oxidized	T ----- T	±						
100				Speckled with recrystallized dolomite patches.									
105				White, saccharoidal.									
110													
115				Argillaceous banding with an angle of 15°.									
120													
125				White, fine-grained									
130													
135				Decomposed pyrite crystals. 35 to 50 mm in diameter.									
140				Speckled with recrystallized dolomite patches.									

Depth (m)	Lithology			Zone	Mineralization		Assay Results						
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn		
145	Upper Roan Dolomite			White dolomite, speckled with recrystallized dolomite patches in pale-brownish gray.	Oxidized	I							
				Pyrite veinlets of 3 mm in width.	Non.	I							
150							Oxidized						
155							Non.	I					
160													
165													
170								Oxidized					
175				Intercalation of phyllites between 171.2 and 173.2 m.									
				White, saccharoidal dolomite.									
180													
185				Pyrite stringers. Sphalerite aggregates and stringers.	Primary	I							
				Pyrite stringers.									
				Sphalerite patches and stringers.									
190													

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Light-gray dolomite. Sphalerite stringers at 190.2 to 190.8 m, and 192.0 to 192.9 m.	Primary	I	I				
200				White dolomite. Pyrite specks and stringers. Banded with an angle of 10°.		I	I				
				Sphalerite veinlets. White, compact, saccharoidal dolomite.		I					



Hole No. : MJZK-17  
 Line : 19.5 Elevation : 1,171 m  
 Point : 425 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
5		Cenozoic		Brownish surface soil.	Weathered						
10											
15											
20				Dark-brown, rubble-bearing sandy beds.							
25				Khaki to yellowish brown, unsorted rubble.				22.00	23.00	1.00	0.8
				Water-worn cavity at 24.5 to 25.1 m. Gray compact dolomite.					24.00	1.00	0.9
		Dolomite		Inter calation of calcari-ous shale with an angle of 10°, at 27.5 to 28.8 m.					25.00	1.00	1.0
				Yellowish brown crusts along pores.					26.00	1.00	0.2
				Fine-grained, gray dolomite.					27.00	1.00	0.3
				Sphalerite blebs with yellowish brown crusts at 34.3, 34.4 and 34.5 m.					28.00	1.00	1.8
				Willemite with yellowish brown dull crusts at 37.8 and 38.0 m.					29.00	1.00	1.4
30									30.00	1.00	7.1
									31.00	1.00	10.9
									32.00	1.00	17.8
									33.00	1.00	11.1
									34.00	1.00	10.2
35									35.00	1.00	17.4
									36.00	1.00	6.1
								37.00	1.00	15.2	
								38.00	1.00	14.2	
40								39.00	1.00	9.7	
								40.00	1.00	8.0	





Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Py	Zn	from (m)	to (m)	run (m)	% Zn	
95	[Brick pattern]	Upper Roan	Dolomite	White, fine-grained dolomite, banded at an angle of 25°.	Oxidized	-					
100				Sphalerite blebs at 98.7, 98.9 and pyrite-sphalerite impregnation at 99.0 to 99.1 m.							I
105				Pyrite-sphalerite stringers at 104.1 to 104.4 m and sphalerite blebs at 104.4 m. Pyrite impregnation at 104.4 to 105.5 m. Banded with an angle of 10°.							
110											
115				Pyrite impregnation at 115.2 to 115.5 and 120.5 m.							I
120				Sphalerite stringers at 120.6 to 120.9, 121.6 to 121.8, 122.1 to 122.3 and 122.3 to 122.7 m.	I						
125				White, sericite dolomite with pyrite impregnation along recrystallized veins.		I					
130				Specks of sphalerite with a greenish thint at 128.0 m.	I						
				Speckled with colourless patches of recrystallized dolomite.							
135				Sphalerite-pyrite dolomite vein at 134.4 m, and sphalerite dolomite vein at 135.0 to 135.1 m.	I						
140	Specks and stringers of sphalerite from 134.1 to 140.8 m and at 141.2 m.										

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
145											
150							I				
155							I				
160							I				
165		Upper Roan	Dolomite		Primary						
170											
175											
180											
185											
190											

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	Slight impregnation of pyrite.	Primary	I					
200				Blebs of pyrite at 197.1, 197.3, 197.8, and 198.1 m. Translucent recrystallized veins at 198.4 to 198.7, 199.0 to 199.4 m, etc. White dolomite, banded at an angle of 20°.		I					



Hole No. : MJZK-18  
 Line : 17.5 Elevation : 1,174 m  
 Point : 325 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology			Zone	Mineralization		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
5				Brown surface soil							
10				Khaki soil beds							
15											
20											
25											
30				Bedded with an angle of 40°.							
35				Psephitic at 35.0 to 35.7 and 37.0 to 37.5 m.							
40											

Cenozoic


Weathered

Depth (m)	Lithology			Zone	Mineralization		Assay Results					
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn	
45		Cenozoic		Dull-grayey.  Yellowish gray. Bedded with an angle of 50°.	Weathered							
50				Unsorted pebble beds.								
60		Mwashia	Phy.	Pale-greenish gray, talcose.	Oxidized							
			Dol.	White dolomite.								
			Phyllite			Pale-greenish gray, talcose.						
65						With intercalations of thin dolomite between 62.9 and 65.5 m.						
70			Alternation			Alternation of pinkish to pale brownish dolomite and pale-greenish phyllite, with preponderance of dolomite facies.						
80		Phyllite		Pale-green phyllite.  With intercalations of thin dolomite between 82.2 and 84.6 m.								
85			Altern.		Alternation of phyllite and dolomite.							
90												

Depth (m)	Lithology			Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)
95		Mwashia	Alternation	Alternation with preponderance of dolomite over phyllite.	Oxidized	T I I				
100		Upper Roan	Dolomite	Gray dolomite, banded with an angle of 35°.						
105				Black to gray dolomite, rapid, fine wrinkled bandings.						
110				Black, compact, saccharoidal.						
115				Porous coarse-grained dolomite vein at 115.8 to 116.2 m.						
120				Black dolomite with white micro-bandings at an angle of 40°.						
125		Gray dolomite.								
130										
135				Pale-gray dolomite, banded at an angle of 40°.						
140				Porous dolomite vein at 138.9 to 139.7 m. Brick-brown stains at 139.8 to 140.5 m.			139.00	140.00	1.00	1.6



Depth (m)	Lithology			Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)
						I	140.00	141.00	1.00	4.6
						I		142.00	1.00	1.7
						I		143.00	1.00	1.2
						I		144.00	1.00	0.9
145						I		145.00	1.00	2.9
						I		146.00	1.00	nil
						I		147.00	1.00	0.6
						I		148.00	1.00	9.6
						I		149.00	1.00	3.6
150						I		150.00	1.00	2.2
						I		151.00	1.00	3.6
						I		152.00	1.00	2.8
						I		153.00	1.00	7.2
						I		154.00	1.00	6.6
155						I		155.00	1.00	4.4
						I		156.00	1.00	0.9
						I		157.00	1.00	0.8
						I		158.00	1.00	0.5
						I		159.00	1.00	6.8
160						I		160.00	1.00	8.8
						I		161.00	1.00	0.6
						I		162.00	1.00	3.2
						I		163.00	1.00	9.8
						I		164.00	1.00	15.0
165						I		165.00	1.00	8.6
						I		166.00	1.00	2.0
						I		167.00	1.00	0.5
						I		168.00	1.00	3.8
						I		169.00	1.00	5.9
170						I		170.00	1.00	3.5
						I		171.00	1.00	3.1
						I		172.00	1.00	2.4
						I		173.00	1.00	3.4
						I		174.00	1.00	1.8
175						I		175.00	1.00	5.8
						I		176.00	1.00	1.5
						I		177.00	1.00	1.0
						I		178.00	1.00	0.9
						I		179.00	1.00	4.0
180						I		180.00	1.00	0.6
						I		181.00	1.00	1.6
						I		182.00	1.00	0.6
						I		183.00	1.00	4.0
						I		184.00	1.00	3.1
185						I		185.00	1.00	0.2
						I				
190						I				

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195		Upper Roan	Dolomite	Eluviated fault at 193.3 to 193.6 m and water-worn fractures at 194.8 to 195 m.	Oxidized						
200				White, fine-grained, saccharoidal.							



Hole No. : MJZK-19  
 Line : 18.5      Elevation : 1,174 m  
 Point : 325      Bearing :  
 Depth : 201 m      Inclination : Vertical

Depth (m)	Lithology			Zone	Minerali- zation		Assay Results				
	Logg- ing	Hori- zon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn
5				Brown surface soil.							
10											
15				Khaki silty rocks							
20		Cenozoic			Weathered						
25			Brownish gray with a greenish tint.								
30			Dull pale dark-brown.								
35			Dull yellowish brown.								
40											

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
45		Cenozoic		Brownish yellow sand beds.	Weathered						
50			Alternation	Alternation of yellowish weathered dolomite and pale-gray phyllite with talcose schists.							
55				Banded with an angle of 20°.							
60			Phy.	Pale-gray phyllite with talcose schists. Banded at an angle of 35°.	Oxidized						
65			Alternation	Alternation of brownish gray dolomite and pale-gray phyllite with white talcose schists.							
70				Banded with an angle of 25°.							
75			Dol.	Pinkish-brown dolomite, schistose.							
80			Alternation	Alternation of brownish gray dolomite and pale-gray phyllite with talc-sericite schists.							
85			Upper Roan	Dolomite	Gray, medium-grained dolomite.  Banded with an angle of 35°.						
90					Black to gray dolomite. Banded at an angle of 25°.						

Depth (m)	Lithology			Zone	Mineralization		Assay Results							
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn			
	[Brick pattern]	Upper Roan	Dolomite	Gray dolomite with intercalations of thin phyllites.	Oxidized	I								
95				Gray, fine-grained dolomite, banded with an angle of 40°.										
100				Water-worn fracture at 102.4 m.										
105														
110				Brick-brown stains at 108.7 to 109.2 m.							108.00	109.00	1.00	0.8
												110.00	1.00	0.8
												111.00	1.00	0.2
												112.00	1.00	1.1
												113.00	1.00	0.7
												114.00	1.00	0.6
115				Banded with micro-Veinlets at an angle of 25°.								115.00	1.00	1.0
												116.00	1.00	1.8
												117.00	1.00	1.2
												118.00	1.00	0.6
												119.00	1.00	1.4
120												120.00	1.00	0.3
												121.00	1.00	0.3
												122.00	1.00	0.7
												123.00	1.00	0.3
												124.00	1.00	1.0
125				Brick-brown stains.								125.00	1.00	0.8
							126.00	1.00	1.2					
							127.00	1.00	1.5					
							128.00	1.00	1.9					
							129.00	1.00	1.4					
130							130.00	1.00	0.7					
							131.00	1.00	1.0					
							132.00	1.00	1.0					
							133.00	1.00	1.0					
							134.00	1.00	7.1					
135							135.00	1.00	1.9					
							136.00	1.00	6.8					
							137.00	1.00	1.7					
							138.00	1.00	1.9					
							139.00	1.00	6.6					
140							140.00	1.00	7.8					

Depth (m)	Lithology			Zone	Mineralization		Assay Results							
	Logging	Horizon	Rock		Remarks	Py	Zn	from (m)	to (m)	run (m)	% Zn			
145	[Brick pattern]	Upper Roan	Dolomite	Light-gray dolomite.	Oxidized	[Dashed line]	140.00	141.00	1.00	7.1				
										142.00	1.00	6.6		
										143.00	1.00	9.8		
										144.00	1.00	8.5		
										145.00	1.00	9.4		
									Brick-brown stains with crusts.			146.00	1.00	8.2
												147.00	1.00	8.8
												148.00	1.00	7.4
									Banded with an angle of 20°.			149.00	1.00	5.4
									Argillaceous bandings at 149.6 to 149.7 m.			150.00	1.00	2.0
												151.00	1.00	1.0
									Brick-brown stainings.			152.00	1.00	1.8
				155			[Brick pattern]	Upper Roan	Dolomite	Gray argillaceous dolomite.	Oxidized	[Dashed line]		
160	[Brick pattern]	Upper Roan	Dolomite	Stained in reddish brown.	Oxidized	[Dashed line]								
165	[Wavy pattern]	Upper Roan	Phyllite	Porous dolomite vein with iron stains.	Oxidized	[Dashed line]								
				Fault breccia at 163 to 164.0 m.										
170	[Wavy pattern]	Upper Roan	Phyllite	Pale greenish-gray phyllite, intercalated with an angle of 10°.	Oxidized	[Dashed line]								
175	[Brick pattern]	Upper Roan	Dolomite	White, porous with recrystallized dolomite patches.	Oxidized	[Dashed line]								
180	[Brick pattern]	Upper Roan	Dolomite	Gray argillaceous band of dolomite at 175.4 to 176.3 m.	Oxidized	[Dashed line]								
185	[Brick pattern]	Upper Roan	Dolomite	Fine-grained dolomite between 180.2 and 184.9 m with coarse-grained dolomite veins at 181.0 to 181.6, 182.5 to 183.4 m.	Oxidized	[Dashed line]								
190	[Brick pattern]	Upper Roan	Dolomite	White dolomite, speckled with recrystallized dolomite patches.	Oxidized	[Dashed line]								

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	White dolomite, speckled with recrystal- lized dolomite veins.	Oxidized						
200				White saccharoidal dolomite.							





Hole No. : MJZK-20  
 Line : 19.5 Elevation : 1,173 m  
 Point : 325 Bearing :  
 Depth : 201 m Inclination : Vertical

Depth (m)	Lithology				Zone	Mineralization		Assay Results			
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
0				Brown surface soil	Weathered						
5		Cenozoic									
10				Clay beds, khaki to greenish gray in colour.							
15											
20											
25											
30											
35		Mwashia	Alternation	Alternation of weathered dolomite and weathered phyllite.							
40											

Depth (m)	Lithology				Zone	Mineralization		Assay Results									
	Logging	Horizon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn						
45		Mwashia	Alternation	Alternation of weathered phyllite with weathered and banded dolomite.	Weathered												
50				Banded with an angle of 30°.													
55			Phyllite	Pale-gray phyllite with khaki clay at 56.4 to 58.8 and 59.8 to 60.5m.													
60				Pale green phyllite, bedded at an angle of 20°.													
65		Mwashia	Alternation	Alternation of pale-brownish dolomite and pale-greenish phyllite.	Oxidized												
70																	
75				Bedded with an angle of 25°.													
80		Mwashia	Alternation														
85																	
90	U. R.		Dol.	Gray dolomite													



Depth (m)	Lithology				Zone	Minerali- zation		Assay Results								
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn					
145	[Brick pattern]	Upper Roan	Dolomite	Rich in voids along recrystallized dolomite patches. Banded with an angle of 20°.	Oxidized	I	I	140.00	141.00	1.00	2.4					
150										White dolomite.						
				Stained in pale brown.												
				Argillaceous banding at 151.9 to 152.2. Stained in brown.												
				Coarse-grained decomposed pyrite of up to 9 mm in diameter.												
155				White to light-gray fine-grained dolomite.												
				Pyrite-marmatite veinlets of 1 to 3 mm wide at 163.6 m. Blebs of sphalerite.												
160				Pyrite specks at 162.1 to 170.6 m.												
				White, saccharoidal.												
165																
170																
175																
180																
185																
190																

Depth (m)	Lithology				Zone	Minerali- zation		Assay Results			
	Logg- ing	Hori- zon	Rock	Remarks		Py	Zn	from (m)	to (m)	run (m)	% Zn
195	[Brick pattern]	Upper Roan	Dolomite	White, fine-grained, saccharoidal, faintly banded with an angle of 10°.	Oxidized						
200											