[redacted]

Comstock (Zeehan) Prospect

DIAMOND DRILL LOG

504046

Entered by:

Date:

Hole No. SY017

Geologist: SR

Date logged: 22-9-99

DEPTH (from–to)	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	ROCK COLOUR	ALTERATION TEXTURE	ALTERATION INTENSITY	ALTERATION MINERALOGY	VEINING INTENSITY	VEINING MAX. WIDTH	VEINING MINERALOGY	TOTAL SULPH. CONTENT	Py CONTENT	Py TEXTURE	FAULT BASE DEPTH	FAULT WIDTH	ANGLE to CORE AXIS	GOUGE	WEATHERING	REMARKS
0–5.0		Ou	Noco																Ream HW casing to 5m.
5.0–8.0	1	Ou	Cy	Br	P	5	Cy												
8.0–11.0	1	Ou	Noco																
11.0–23.7	2	Ou	Fz?		P	4	Cy							23.7	1270	?	PuRu	05	Puggy gravel to sand
23.7–26.6	3	Ou	Sh	Gy Bk							3	3	Ds						
26.6–28.6	3	Ou	Fz	Gy Bk															
28.6–29.8	3	Ou	Fz	Gy Bk	P	4	Si				30 (28.6–28.9)	30	Ym						
29.8–31.4	3	Ou	Fz	Gy Bk	P	3	Cy				10 (28.9–33.5)	10	Ds	31.4	460	?	PuRu		
31.4–32.0	4	Ou	Cy	Cm															
32.0–32.5	4	Ou	Fz	GyBk	P	4	Cy											04	
32.5–35.5	4	Ou	Sh		P	3	Cy	4	20	Cy									
35.5–		Ou	Noco															03	

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Comstock (Zeehan) Prospect

Hole No. S4017

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Entered by

Date

DIAMOND DRILL LOG

504047

Geologist SR

Date logged 22-9-99

DRILLING			LITHOLOGY								ALTERATION			VEINING			MINERALISATION														FAULTS				FOL'N		WEATHERING	REMARKS	SAMPLING	DEPTH
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	ROCK COLOUR	CLASTS: GRAINSIZE	CLASTS: ROUNDNESS	CLASTS: SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp: CONTENT	Sp: TEXTURE	Gn: CONTENT	Gn: TEXTURE	Py: CONTENT	Py: TEXTURE	Po: CONTENT	Po: TEXTURE	Other: MINERAL	Other: CONTENT	Other: TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE				
42				NoCo 42.5							42.5																												42
44				sh	F		PBX				P	3	Sp																										44
46	5			47.0							47.0						47.6					10	Ds																46
48																	47.9																						48
50							Sp																																50
52	6																																						52
54											P	5	Sp																										54
56																																				04			56
58				F2Cy																																			58
60	7						Sp Bk																																60
62																																							62
64																																							64
66																																							66
68							Sp																																68
70	8																																						70
72				71.6	F						71.6																												72
74				Sh 75.2	G1		Sp				P 75.2	4	Sp				75.2																						74
76	9			HA 76.3	F		Br				P 76.3	4	Si				30 763					30	Ds																76
78				SG			Bk										3					3	Ds																78

FAULTS					FOL'N		
FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE		TYPE	C.A. ANGLE	
71.6	246	?	P.Fa				
77.2	50	?	Fa				
79.4	10	65	Pa Fa		Fol 78	65°	

Hole drilling down major fault zone to 76.3m.

Graphitic shale

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Hole No. SC017

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DIAMOND DRILL LOG

504048

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DRILLING			LITHOLOGY							ALTERATION			VEINING			MINERALISATION														FAULTS				FOL'N		WEATHERING	REMARKS	SAMPLING	DEPTH
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	ROCK COLOUR	CLASTS: GRAINSIZE	CLASTS: ROUNDNESS	CLASTS: SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp: CONTENT	Sp: TEXTURE	Gn: CONTENT	Gn: TEXTURE	Py: CONTENT	Py: TEXTURE	Po: CONTENT	Po: TEXTURE	Other: MINERAL	Other: CONTENT	Other: TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE				
82	10			SG 81.3	F		BK							3	5	Si	81.3												81.4	20	65	Scl	Bd 80	70°				82
84	11			SH-SL			DK GR							2	10	Si	Tr					Tr	Ds						84.3	5	30	Ru	Bd 85	60°				84
86																																						86
88	12													89.0																								88
90				89.7	F												89.7												89.8	120	?	Gwsl	Bd 80°					90
92	13													3	10	Si													90.1	1	80	Rwsl	90.3 30°					92
94														94.6																		91.0			disrupted wispy discontinuous qtz veinlets. Fairly and strongly deformed		94
96	14																															Bd 30°					96
98														2	5	Si																95					98
100				SG Sh			BK LG							101.4			1					1	Ds Bd									Bd 10°					100
102	15																															98					102
104																																Bd 45°					104
106	16																															100			Isoclinal fold 101.7m.		106
108																																Bd 30°					108
110	17																												109.7	1	60	SL	105					110
112																																Bd 80°					112
114	18			113.9	91	C											113.9															107.9					114
116				SG			BK										3					3	Ds Bd									Bd 70°					116
118	19																															110					118
																																Bd 30°					
																																115					
																																Bd 40°					
																																119					

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Comstock (Zeehan) Prospect

DIAMOND DRILL LOG

504049

Hole No. [illegible]

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Date:

Geologist: SR

Date logged: 23-9-99

DRILLING / LITHOLOGY

Depth to	Core tray #	Rock type	Gradation	Style	Rock colour
122.0	20	SG	S	C	
124.4	21	Sh	S	C	Gy Gn
129.3	22	ShSL	S	C	Gy
130.1		LS	F		Gy
132.2	23	ShSL	S	C	Gy
133.4		LS	S	C	LGy
134.1		SH	S	C	DGy
134.4		LS	S	C	LGy
135.3	24	SGLS	F		GBR
146.7	25, 26	SLSh	F		Gy
	27, 28	LS			Gy

ALTERATION

From–To	Texture	Intensity	Mineralogy
122.0–124.4	Vn P	4/3	Co Se

VEINING

Depth to	Intensity	Max. width	Mineralogy
124.7	4	40	CoSi
129.3	3	30	SiCo
133.4	3	20	Co
135.3	4	10	Co
144.1	2	10	SiCo
146.9	3	20	SiCo
150.4	3	10	Co
154.8	4	10	Co
158.6	3	10	Co
	4	50	Co

MINERALISATION

From–To	Total sulph. content	Py content	Py texture	Other mineral	Other content	Other texture
122.0–124.4	1	1	Ds V~			
124.4–140.0	Tr	Tr	Ds			
140.0–146.7	1	Tr	Ds	Cly	Tr	Ds
146.7–	Tr	Tr	Ds			

FAULTS

Fault base depth	Width	Angle to core axis	Gouge
120.6	30	20	SiRu
122.0	10	20	SiRu
130.1	1	80	SL
135.6	30	70	SiRu
142.5	10	50	SiRu
143.4	10	50	SiRu
145.9	70	?	SiRu
146.7	1	80	SL

FOL'N

Depth	Type	C. A. angle
122	Bd	20°
125	Bd	60°
129	Bd	40°
133	Bd	50°
138	Bd	70°
141.5	Bd	70
147	Bd	55
150	Bd	70

REMARKS

Limestone becomes massive below ≈153 m.

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Comstock (Zeehan) Prospect

DIAMOND DRILL LOG

504050

Entered by:
Date:

Hole No. SY017

Geologist: SR
Date logged: 27-9-99

DRILLING

DEPTH	DRILL RUNS	CORE TRAY #
162		29
164		30
166		
168		
170		31
172		
174		32
176		
178		33
180		
182		34
184		
186		35
188		
190		
192		36
194		
196		
198		37

LITHOLOGY

To depth	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT GRADATION	LOWER CONTACT STYLE	ROCK COLOUR	CLASTS GRAINSIZE	CLASTS ROUNDNESS	CLASTS SUPPORT
171.6		LS	S	C	Gy			
175.0		SGDO			Gy Bk			
175.8		HA	F					
177.6		ME	F		Bk			
		SLDO			Gy			

ALTERATION

From	To	TEXTURE	INTENSITY	MINERALOGY
175.0	175.8	P	4	Si Co Py

VEINING

To depth	INTENSITY	MAX. WIDTH	MINERALOGY
163.7			
181	3	10	Co
186.5	2	10	SiCo
199.0	3	50	SiCo

MINERALISATION

To depth	TOTAL SULPH. CONTENT	Sp CONTENT	Sp TEXTURE	Gn CONTENT	Gn TEXTURE	Py CONTENT	Py TEXTURE	Po CONTENT	Po TEXTURE	Other MINERAL	Other CONTENT	Other TEXTURE
171.6	Tr					Tr	Ds					
175.0	5					5	Ds No Bd					
175.8	20					20	Ds Vn					
180	5					5	Ds Vn					
194.1	3					3	Ds Vn					
	7					7	Ds Vn					

FAULTS

FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE
175.0	20	40	Sc
175.8	20	60	Ru Si
176.9	10	?	Si Ru
177.6	1	55	Si
195.7	30	40	Ru Si

FOL'N

Depth	TYPE	C.A. ANGLE
164	Bd	70°
172	Bd	65°
174	Bd	80°
177.6	Bd	60°
181	Bd	70°
185	Bd	70°
188	Bd	65°
193.5	Bd	65°
198.5	Bd	40

WEATHERING

REMARKS

← HQ/NQ 188.0

SAMPLING

[redacted]

Comstock (Zeehan) Prospect

DIAMOND DRILL LOG

504051

Entered by:

Date:

Hole No.: SY017

Geologist: SR

Date logged: 30-9-99

DRILLING (Depth 202–238; Drill runs; Core tray #: 38, 39, 40, 41, 42, 43)

LITHOLOGY

Depth	Rock type	Lower contact Gradation	Lower contact Style	Rock colour	Clasts Grainsize	Clasts Roundness	Clasts Support
201.7		S	C				
to 206.3	SG	S	C	Bk			
to 206.8	LS	F		Gy			
to 216.5	SG	Gl	C	Bk			
to 219.5	SGDO	Gl	C	Bk / Gy	20	W	M
to 234.2	SG	Gl	C	Bk			
to 236.7	HA	Gl	C	Gy Br			
to 237.4	LS	S		Gy			
	VN			Gy			
237.55	SG/LS	S / Gl		Gy Bk			
238.5	HA	Gl		Gy Br			
239.3	LS			Gy			

ALTERATION

Depth	Texture	Intensity	Mineralogy
206.3–206.8	P	3	Si
216.5–219.5	L	3	Se Py
234.2–237.4	L	3	Si
237.55–238.5	L	3	Si

VEINING

Depth	Intensity	Max. width	Mineralogy
to 201.2	4	30	SiCo
to 206.3	3	10	SiCo
to 206.8	4	40	SiCo
to 208.0	3	10	SiCo
to 217.7	2	5	SiCo
to 219.5	3	20	Co
to 233.9	2	5	SiCo
233.9–	3	30	Co

MINERALISATION

Depth	Total sulph. content	Sp content	Sp texture	Gn content	Gn texture	Py content	Py texture	Po content	Po texture	Other mineral	Other content	Other texture
201.7–206.3	15	Tr	VN			15	VN DS					
to 206.8	10					10	DSVN					
to 212.1	7					7	VN DS					
to 234.2	5					5	DS VN Bd No					
to 236.7	30	Tr	Ds			30	DS VN Rx					
to 237.4	3[illegible]					3	DS					
237.55	[illegible]	4	VN	[illegible]	VN	15	VN			[illegible]Py	1	VN
238.5	15			Tr	VN	15	VNDS					
239.3	40					40	DSVN					

FAULTS

Fault base depth	Width	Angle to core axis	Gouge
207.0	20	70	Ru
208.5	50	?	Sl Ru
226.5	1	60	Sl
234.0	5	60	Sl Ru

FOL'N

Depth	Type	C. A. angle
202.3	Bd	45°
205.5	Bd	40°
211.3	Bd	20°
215	Bd	70°
220.5	Bd	30°
222.2	Bd	65°
226	Bd	60°
233	Bd	50°
234.5	Bd	70°
238	Bd	55°

WEATHERING

REMARKS

@203.9 1x1cm Sp Py vein 45°CA

Massive to weakly bedded graphitic shale

Se-Py altered bands of disrupted conglomeratic dol? in graphitic shale.

234.2 – 239.3 variably replaced carbonate and (black shale)

replacement of Limestone

SAMPLING

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Comstock (Zeehan) Prospect

Hole No. 54017

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DIAMOND DRILL LOG

504052

Geologist SR

Date logged 30-9-99

DRILLING			LITHOLOGY						ALTERATION			VEINING			MINERALISATION												FAULTS				FOL'N				SAMPLING	
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	ROCK COLOUR	CLASTS: GRAINSIZE	CLASTS: ROUNDNESS	CLASTS: SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp CONTENT	Sp TEXTURE	Gn CONTENT	Gn TEXTURE	Py CONTENT	Py TEXTURE	Po CONTENT	Po TEXTURE	Other MINERAL	Other CONTENT	Other TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE	WEATHERING	REMARKS		DEPTH
242		44		LS			Lg-Dg									Tr					Tr	Ds														242
244																																			244
246														3	30	Co																Bd	60		246
248	45																																246		248
250																																			250
252																																Bd	6°		252
254																																253			254
256	46																																		256
258														258.3																					258
260														4	10	Co																Bd	40°		260
262	47													259.7																		260			262
264														3	20	Co																Bd	60°		264
266	48													264.8																		264			266
268														4	50	Co																Bd	50°		268
270														268																		268			270
272	49													3	20	Co																Bd	35°		272
274														272.8																		271			274
276		50			G1	C								4	30	Co																Bd	10°		276
278				Do			Gy																									276.5			278

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DIAMOND DRILL LOG

504053

Geologist SR

Date logged 30-9-99

DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	ROCK COLOUR	CLASTS: GRAINSIZE	CLASTS: ROUNDNESS	CLASTS: SUPPORT	ALTERATION: TEXTURE	ALTERATION: INTENSITY	ALTERATION: MINERALOGY	VEINING: INTENSITY	VEINING: MAX. WIDTH	VEINING: MINERALOGY	MINERALISATION: TOTAL SULPH. CONTENT	Sp: CONTENT	Sp: TEXTURE	Gn: CONTENT	Gn: TEXTURE	Py: CONTENT	Py: TEXTURE	Po: CONTENT	Po: TEXTURE	Other: MINERAL.	Other: CONTENT	Other: TEXTURE	FAULTS: FAULT BASE DEPTH	FAULTS: WIDTH	FAULTS: ANGLE to CORE AXIS	FAULTS: GOUGE	FOL'N: TYPE	FOL'N: C.A. ANGLE	WEATHERING	REMARKS	SAMPLING	DEPTH
282				Do																																		282
284	51																																				284
285.6					SIL	C																															
286				LSSH																														Bd 50° 286	Laminated calcareous shale		286
288																																287 Bd 60°			288
289.3	52				S	F					289.3			289.3			289.3																			
290											L	3	Se																290.6	1	55	SL				Contact cross cuts bedding 60° CA		290
292											L	2	Si	3	20	CcSi	10					10	Vn DS														292
294											294.0			294.0			294.3																	294.2 Bd	50°			294
296	53										P	5	CoSiTL	2	10	CoSi	5					5	Vn												Massive carbonate silica talc rock. - SKARN		296
298																																					298
300	54			SK			Wh Lcy Lgn Pk										300.9																					300
302																																					302
304	55																																				304
306																																					306
308																																					308
30	56																																				310
312																																					312
314				HA																																	314
315.3					S					70° CA	315.3						315.45																			Base of skarn ≈ // So chloritic margin to above unit		
315.45	57				S		BK																										Bd 70° 315.7 Bd 70° 317			316
318				SLMD			Cy										317.5					10	DS Bd Vn												Slightly bleached + pyritic beneath skarn		318
											318.5																										

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[redacted]te[redacted]M[redacted]ls [redacted]so[redacted]es [redacted]mi[redacted]

Comstock (Zeehan) Prospect

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DIAMOND DRILL LOG

504054

Geologist SR

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DRILLING

Depth	Core tray #
322	58
327	59
334	60
340	61
346	62
352	63
357	64

LITHOLOGY

Depth	Stratigraphy	Rock type	Lower contact: Gradation	Lower contact: Style	Rock colour	Clasts: Grainsize	Clasts: Roundness	Clasts: Support
– 330.8		SLMD	S	C	Gy			
330.8 – 331.2		LS SL	Ql	C	GyBk			
331.2 –		SLMD			Gy			

ALTERATION

Depth	Texture	Intensity	Mineralogy
– 329.3	L	2	CLEp
329.3 – 330.8	P	3	SePy
330.8 – 331.2	L	4	Co
359.7 –	P	3	SePy

VEINING

Depth	Intensity	Max. width	Mineralogy
326.3 – 329.0	2	5	CoCl
329.0 – 332.3	3	10	CoCL
332.3 – 339.5	1	5	CoCL
339.5 – 347.5	3	40	EpCo
347.5 – 349.1	2	5	EpSi
349.1 – 356.6	2	15	CoSi
356.6 – 358.4	2	10	EpCo
358.4 –	3	10	EpCo

MINERALISATION

Depth	Total sulph. content	Sp content	Sp texture	Gn content	Gn texture	Py content	Py texture	Po content	Po texture	Other mineral	Other content	Other texture
– 329.1	Tr					Tr	Ds					
329.1 – 331.1	10					10	Bd Ds					
331.1 – 332.4	5					5	Bd DsVn					
332.4 – 354.2	Tr					Tr	Ds Vn					
354.2 – 358.6	3					3	Vn Ds					
358.6 –	10					10	Bd DsVN					

FAULTS

Fault base depth	Width	Angle to core axis	Gouge
339.0	20	65	SC
339.8	1	30	SL
351.0	40	?	Ru

FOL'N

Depth	Type	C.A. angle
– 330	Bd	70°
– 332	Bd	70°
– 359	Bd	70°

WEATHERING

REMARKS

← 322.0 ORIENTATION

Patchy and vein selvedge Cl alteration assoc. w. EpCl veinlets.

Gy generally massive but finely laminated at top and bottom of unit.

← 349.0 ORIENTATION

SAMPLING

DEPTH 322 – 358

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Western Metals Resources Limited

Comstock (Zeehan) Prospect

Hole No. SZC17

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DIAMOND DRILL LOG

504055

Geologist SR

Date logged 1-10-99

DRILLING			LITHOLOGY								ALTERATION			VEINING			MINERALISATION												FAULTS				FOL'N		WEATHERING	REMARKS	SAMPLING	DEPTH
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT GRADATION	LOWER CONTACT STYLE	ROCK COLOUR	CLASTS GRAINSIZE	CLASTS ROUNDNESS	CLASTS SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp CONTENT	Sp TEXTURE	Gn CONTENT	Gn TEXTURE	Py CONTENT	Py TEXTURE	Po CONTENT	Po TEXTURE	Other MINERAL	Other CONTENT	Other TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE				
362				SKVN 362.1	S	C					P 360.8 P 362.1	S S	Si Ep Tr Cl Si Ep	362.1			10 360.3 360.8					10	DS											Bd 362.7	70		Altered rock x cuts bedding.		362
364		65		ST			Gy							3 3	300 10	Si Cl Ep±Co																				epidote veins overprint earlier quartz veins		364
366				367.1	Gl	C								367.4																								366
368																	1	Tr	Vn			1	Vn DS											Bd 369	55°				368
370		66					Gy Bk																													← 369.5 1x1cm spaced 40°CA		370
372																																				375-396.1 complex small scale folding and kink bands.		372
374				STSH										1 2	30 5	Si Co Co Ep																		Bd 378.5	60°				374
376		67															376.8																		Bd 378.5	35	← 376.0 ORIENTATION		376
378																	1					1	Vn DS	Tr	Vn				378.9	10	?	Ru						378
380				380.1	Gl	C																																380
382																																			Bd 382	70°				382
384		68																																	Bd 383	45°				384
386																																						386
388				SHST			Gy Bk							362.8																								388
390		69												2 1	40 5	Si Co Co Cly																		Bd 390	35				390
392														394.0																								392
394														3	15	Si Co																					Strongly folded approaching this contact.		394
396		70		396.1	S	C								396.1			396.1												395.3	30	30	Ru Gy				← 395.8m mesoscopic fold hinge		396
398				SG			Bk							3	5	Si	10					10	Vn DS						398	1	20	Si						398

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DIAMOND DRILL LOG

504056

DRILLING			LITHOLOGY							ALTERATION			VEINING			MINERALISATION														FAULTS				FOL'N						
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	ROCK COLOUR	CLASTS: GRAINSIZE	CLASTS: ROUNDNESS	CLASTS: SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp: CONTENT	Sp: TEXTURE	Gn: CONTENT	Gn: TEXTURE	Py: CONTENT	Py: TEXTURE	Po: CONTENT	Po: TEXTURE	Other: MINERAL	Other: CONTENT	Other: TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C. A. ANGLE	WEATHERING	REMARKS	SAMPLING	DEPTH
400				400.7	S	C								400.8			400.7																					400
402	71																1	1	VN			Tr	Ds															402
404																	403.9																			← 405 mesoscopic fold hinge		404
406																																						406
408	72													2	10	SiCoClSp	Tr					Tr	Ds										Bd	80°				407	408
410				STSH			Gy							2	5	EpCo																			← 409.0 ORIENTATION		410
412																																		Bd	70°			410	412
414	73																																					413	414
416														415.0																				Bd	90°				416
418														3	200	SiCoCo																							418
420	74													2	5	EpCo																						419	420
422				422.6	Gl	C								420.5																									422
424														2	5	EpCo																				Bd	65°			424
426	75			SkST			Gy Bk							424.6			425.7																							426
428														4	300	SiCoCl	426.22	10	7	DS	3	DS	1	DS			Cly	1	DS										428
430	76			429.3	Sl									2	5	EpCo	424.1																						429	430
432				ME			Bk	30	V	M				2	50	SiCoCo																				Bd	80°				432
434	77													430.2																										434
436														435.3																										436
438														40	200	Sl																								438
														436.9																										

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Hole No. 504057

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Geologist SR

DIAMOND DRILL LOG

504057

Date

Date logged 2-10-99

DRILLING			LITHOLOGY								ALTERATION			VEINING			MINERALISATION														FAULTS				FOL'N		WEATHERING	REMARKS	SAMPLING	DEPTH
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LOWER CONTACT GRADATION	LOWER CONTACT STYLE	ROCK COLOUR	CLASTS GRAINSIZE	CLASTS ROUNDNESS	CLASTS SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	TOTAL SULPH. CONTENT	Sp CONTENT	Sp TEXTURE	Gn CONTENT	Gn TEXTURE	Py CONTENT	Py TEXTURE	Po CONTENT	Po TEXTURE	Other MINERAL	Other CONTENT	Other TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE				
442		78																																		Melange post dates qtz vns.		442
444																																						444
446		79		ME			Bk																																446
448																																						448
450																																						450
452		80																																				452
454				454.5	S						464.5 P	4	CoCl																									454
456				455.0 SK	S		DGn				455.0						457.7																			Probably a boulder.		456
458		81		ME 458.5 SL	S	C								458.0																						Sp Co veinlets apparent.		458
460				459.1 SHSL 461.0	S	C	Gn Bk							3 461.0	10	Si	461.0	Tr	Tr	VN																		460
462					F						461.0						461.3	S	BX	10	DS									461.9								462
464		82		SK			Gn Sch Sch				P	3	SiEp	2	5	Co		Tr		Tr	Ds	Tr	Ds													Massive units – no bedding.		464
466				467.6	SL	C					467.6			467.7			467.7																			← 466.0 ORIENTATION		466
468																																						468
470		83		SLHA			Gn Sch				P	3	SePy	4	10	Co		5				5	Ds															470
472				472.3	S	C					472.3			472.3			472.3					7	Ds															472
474				SK			Gn Sch Sch				P	4	CoClCPx?Ep	2 474.5	20	Co	473.0 422.9	4	Ds	1	Ds					<Py	Tr	Ds									474
476		84		476.1							476.1 P	4	CoEp	3 476.0	30	Co	476.1	2	2	Ds										476.4	20	65	Py Ru					476
478				SLHA			Gn Sch				477.8 P	3	TLCo	2	10	Co		Tr	Tr	Ds														478 Ea	30°			478

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Comstock (Zeehan) Prospect

Hole No. 54017

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Date

DIAMOND DRILL LOG

504058

Geologist SR

Date logged 2-10-99

DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	LITHOLOGY: LOWER CONTACT GRADATION	LITHOLOGY: LOWER CONTACT STYLE	LITHOLOGY: ROCK COLOUR	LITHOLOGY: CLASTS GRAINSIZE	LITHOLOGY: CLASTS ROUNDNESS	LITHOLOGY: CLASTS SUPPORT	ALTERATION: TEXTURE	ALTERATION: INTENSITY	ALTERATION: MINERALOGY	VEINING: INTENSITY	VEINING: MAX. WIDTH	VEINING: MINERALOGY	MINERALISATION: TOTAL SULPH. CONTENT	MINERALISATION: Sp CONTENT	MINERALISATION: Sp TEXTURE	MINERALISATION: Gn CONTENT	MINERALISATION: Gn TEXTURE	MINERALISATION: Py CONTENT	MINERALISATION: Py TEXTURE	MINERALISATION: Po CONTENT	MINERALISATION: Po TEXTURE	MINERALISATION: Other MINERAL	MINERALISATION: Other CONTENT	MINERALISATION: Other TEXTURE	FAULTS: FAULT BASE DEPTH	FAULTS: WIDTH	FAULTS: ANGLE to CORE AXIS	FAULTS: GOUGE	FOL'N: TYPE	FOL'N: C.A. ANGLE	WEATHERING	REMARKS	SAMPLING	DEPTH
482		85																																				482
484				484.8	Gl	C					484.8																											484
486				BA?			Gn				P	2	Se Clco				486.9	3	VN			1	VN	3	VN													486
488				489.9	Gl	C					489.9						487.2	Tr	Tr	Ds				Tr	Ds													488
490		86									P	4	Co CL	2	10	C	489.9	5	3	Ds Vn				2	VN													490
492				491.1 SK	F						491.1						491.6													491.1	1	45	Pv					492
				492.4 SL	Gl	C					P 492.4	2	Se Cl Co				492.3																	Bd	55			
494				SK							P	3	Co CL				3	3	Ds Vn																		494
				495.1	Gl	C					495.1						495.1																					
496		87		495.8 ME	F		BK				495.8 L	3	Si																	495.8	2	65	Pv					496
				SK							P	3	Cl Co EP				495.8	5	Ds Vn																		
498				498	S	C	DK GN				498.0						496.7																					498
				ME	S	C	BK				498.5																											
				498.5 SK	S	C	Co Bk				P	4	Co Cl																									
500				499.0 ME	S	C	BK				499.9 L	4	Si				Tr	Tr	Ds																			500
				500 SK	S	C	Co Bk				500.2 P	4	Co Ep																									
		88		501.2 SK	S	C	Co Bk										502.1																					
502							DK GN				P	3	Ep Si					3	1	Ds					2	Ds													502
				ME SK							L						503.9																					
504				504.3	Gl	C					504.3																											504
506				GB			DK GN				P	3	Cl Co				Tr	Tr	Vn																			506
											L	2	Ep				506.8																					
508		89		508.3	F									507.4																								508
														3	150	Si Co	509.1																					
510																		1							1	Ds Vn												510
512				GB			DK GN										513.7																					512
		90															514.5																					
514														1	5	Si Co Cl Ep								3	Vn													514
516																		Tr							Tr	Ds												516
518		91									518.2 P	3	Co Cl Ep	518.2																								518

REMARKS

Metasomatised melange

Foliated altered gabbro

Massive Gabbro - altered.

SAMPLING

DEPTH

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[redacted]

Comstock (Zeehan) Prospect

Entered by

Date

DIAMOND DRILL LOG

504059

Hole No. [illegible]

Geologist SR

Date logged 6-10-99

DRILLING			LITHOLOGY								ALTERATION			VEINING			MINERALISATION												FAULTS				FOL'N					
					LOWER CONTACT			CLASTS									TOTAL SULPH.	Sp		Gn		Py		Po		Other												
DEPTH	DRILL RUNS	CORE TRAY #	STRATIGRAPHY	ROCK TYPE	GRADATION	STYLE	ROCK COLOUR	GRAINSIZE	ROUNDNESS	SUPPORT	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH	MINERALOGY	CONTENT	CONTENT	TEXTURE	CONTENT	TEXTURE	CONTENT	TEXTURE	CONTENT	TEXTURE	MINERAL	CONTENT	TEXTURE	FAULT BASE DEPTH	WIDTH	ANGLE to CORE AXIS	GOUGE	TYPE	C.A. ANGLE	WEATHERING	REMARKS	SAMPLING	DEPTH
522		91		GB							P	3	CoClEP	2	10	CoEP?	Tr							Tr	Ds													522
524																																						524
526		92																																				526
				527.5	S	C					527.5																											
528				528.3BD	S	C	SGn				528.3 P	2	SeCoEP																							Dyke. 30°CA		528
				GB			DGN				P	3	ClCo																							EOH 529m		
530																																						530

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LITHOLOGY

ROCK TYPE CODES

ROCKTYPE	DESCRIPTION
BA	Basalt
BD	Basic Dyke
BX	Breccia
CG	Conglomerate
CH	Chert
CL	Chlorite
CO	Carbonate Rock
CV	No Core - cavity
CY	Clay
DL	Dolerite
DO	Dolomite
FE	Ferruginous suffix
FZ	Fault Zone
GB	Gabbro
GS	Gossan
GW	Greywacke
HA	Highly Altered Rock
HE	Hematite
HF	Hornfels
LS	Limestone
MD	Mudstone
ME	Melange
MS	Massive Sulphide
NC	No Core - reason unspecified
NL	Not Logged
NR	No Core Recovered - washed away
PC	Percussion Hole/Precollar
QT	Quartzite
QZ	Quartz
RU	Rubble
SD	Sand
SG	Graphitic Shale
SH	Shale
SI	Silica
SK	Skarn
SL	Siltstone
SO	Soil
ST	Sandstone
VN	Vein

LOWER CONTACT CODES

GRADATION

GRADATION	DESCRIPTION
F	Faulted
G1	Gradational (<1m)
G2	Gradational (1-10m)
G3	Gradational (>10m)
S	Sharp

STYLE

STYLE	DESCRIPTION
C	Conformable
F	Interfingering
I	Irregular

ROCK COLOUR CODES

COLOUR	DESCRIPTION
Bk	Black
Bl	Blue
Br	Brown
Cr	Cream
Gn	Green
Gy	Grey
Or	Orange
Pc	Polychrome
Pk	Pink
Pp	Purple
Rd	Red
Wh	White
Yw	Yellow

CLAST DESCRIPTION CODES

GRAINSIZE – Maximum size in millimetres

ROUNDNESS

ROUNDNESS	DESCRIPTION
1	Very Angular
2	Sub-angular
3	Intermediate
4	Sub-rounded
5	Rounded

SUPPORT

SUPPORT	DESCRIPTION
C	Clast supported
M	Matrix supported

ALTERATION

TEXTURE CODES

TEXTURE	DESCRIPTION
Ds	Disseminated
F	Fragments
L	Local
M	Mottled
Ma	Matrix
P	Pervasive
V	Variable
Vn	Vein

INTENSITY CODES

INTENSITY	DESCRIPTION
1	trace
2	low
3	moderate
4	high
5	extreme

MINERALOGY CODES

MINERALOGY	DESCRIPTION
Cl	Chlorite
CO	Carbonate
Cy	Clay
Do	Dolomite
Ep	Epidote
Ma	Mariposite
Mg	Magnetite
Px	Clinopyroxene
Py	Pyrite
Sd	Siderite
Se	Sericite
Si	Silica
Sr	Serpentine
Tl	Talc
Tr	Tremolite

VEINING

INTENSITY CODES – See alteration intensity codes

MAXIMUM WIDTH – In millimetres

MINERALOGY CODES – See alteration mineralogy codes

MINERALISATION

CONTENT – Volume % estimate

TEXTURE CODES

TEXTURE	DESCRIPTION
Bd	In Bedding
Bx	Breccia
Ds	Disseminated
Fr	Fragments
JP	Joint Plane
Ma	Matrix
Ms	Massive
No	Nodules
NV	Network Vein
Rx	Recrystallised
VI	Vein Infill
Vn	Veined

FAULTS

FAULT BASE DEPTH – Depth to bottom of fault (m)

WIDTH – Drilled thickness in centimetres

ANGLE TO CORE AXIS – Angle between fault and core axis in degrees
? = unknown

GOUGE CODES

GOUGE	FLTGOUGE_TEXT
Bk	broken
Bx	brecciated
Cb	carbonate
Ch	chert
Cl	chlorite
Cy	clay
Fe	ferruginisation
He	hematite
Ko	kaolinite
Li	limonite
Mn	manganese
Pu	pug
Py	pyrite
Qv	quartz veining
Qz	quartz (unspecified)
Rh	rehealed
Ru	rubble
Sh	sheared
Si	silicification
Sl	slickensided

FOLIATION

TYPE CODES

TYPE	DESCRIPTION
Bd	Bedding
Cl	Cleavage

C. A. ANGLE - Angle between feature and core axis in degrees

WEATHERING

WEATHERING	DESCRIPTION
L1	Leached - weak
L2	Leached - weak/moderate
L3	Leached - moderate
L4	Leached - moderate/strong
L5	Leached - strong
O1	Oxidised - weak
O2	Oxidised - weak/moderate
O3	Oxidised - moderate
O4	Oxidised - moderate/strong
O5	Oxidised - strong