Diamond Drill Hole 4 . Cali Claims

Location : 32+00E ; 25+00S (26+00S flagged) Bearing / Inclination : grid south / -45° Core Size : AX

Examined by : R. Kuehnbaum

Footage	Graphic	Description / Remarks	Assay Ag oz/ton	Cu %	WO_3 %	Zn %
		overburden : quartz monzonite boulders				
14.0		banded diopside-quartz-garnet-calcite marble/skarn with micaceous intercalations pyrrhotite disseminated throughout (<1%) ; very rare specks medium-grained scheelite (traces WO_3) LC 18' = 70°				
20.8		biotite-quartz-feldspar (-diopside) schist ; minor grey recrystallized limestone and diopside-quartz-garnet-calcite marble with coarse garnet knots - no scheelite				
23.2		medium-grained, massive, silicified quartz monzonite ; xenoliths of biotite-quartz-feldspar schist and diopside-quartz-garnet-calcite skarn with garnet knots - no scheelite				
31.3		massive diopside-quartz-garnet-calcite skarn/marble ; coarse garnet knots / banded diopside-quartz-garnet-talc calc-silicate ; <1% pyrrhotite in coarse blebs ; very rare specks scheelite (traces WO_3) LC 33.8 = 90°				
33.8		massive, medium-grained, silicified quartz monzonite < 0.1% fine-grained disseminated pyrrhotite				
37.0		siliceous, banded diopside-quartz-garnet-calcite calc-silicate/skarn ; minor thin zones rich in phlogopite + talc (?) or coarse-garnet knots ; fine-grained pyrrhotite (±1%) disseminated throughout, occasionally concentrated on bedding planes - one speck scheelite (trace WO_3) LC 44.8 = 70°				
44.8		poorly banded, medium-grained recrystallized limestone with some thin (1"-2") silicated bands with talc, diopside, garnet ; pyrrhotite (<0.1%) disseminated or in coarse blebs - no scheelite.				
49.9		pale green, banded diopside-quartz-garnet-calcite(-phlogopite) calc-silicate/skarn ; pyrrhotite (<1%) as blebs and in small veinlets - no scheelite LC 54.8 = 73°				
54.8		medium-grained, grey recrystallized limestone bearing very minor diopside, garnet, phlogopite and <1% disseminated pyrrhotite				
58.0		well-banded diopside-quartz-garnet-calcite (-feldspar ?- phlogopite) marble/skarn, thin limestone intercalations pyrrhotite (±1%) disseminated or along bedding planes - po richer in siliceous zones - no scheelite LC 69.5 = 65°				
69.5		medium-grained, banded, grey recrystallized limestone ± very minor garnet & diopside ; pyrrhotite (<0.1%) in irregular blebs or scattered along bedding planes ; 76.4-77.3 limestone brecciated with siliceous veinlets and rich in diopside and pyrrhotite (±2%) - a few specks coarse-grained scheelite (trace WO_3)				
85.1		foliated biotite-quartz monzonite with recrystallized limestone xenoliths - diopside, garnet and vesuvianite (in knots) developed over 0.5" at contacts ; q monzonite contains tremolitic veinlets				
88.0		medium-grained, grey, banded recrystallized limestone with very minor siliceous zones pyrrhotite (<0.1%) disseminated or concentrated in bedding planes some minor folding - but direction of dip constant LC 104.5 = 70°				
104.5		intercalated diopside-quartz-garnet-calcite marble/skarn (with occasional coarse garnet knots) and biotite-garnet-quartz-feldspar schist pyrrhotite (<0.1% in marble) disseminated or in coarse blebs in siliceous zones a few grains of medium-grained scheelite (traces WO_3). LC 117 = 75°				
117.9		vaguely to moderately foliated medium-grained quartz monzonite ; knotted - biotitic ; altered (silicified) - no mafic phase bottom contact almost parallel to core axis				
145.5		pyrrhotite-chalcopyrite-diopside-garnet-vesuvianite-quartz-calcite skarn, banded ; also 0.2' of biotite-diopside-quartz-feldspar-po schist ; sulphide variable, 5% - 60% over 0.5' (average ±40% - 50%) ; scheelite medium- to coarse-grained, irregularly disseminated and concentrated in sulphide-rich rock (±0.2% WO_3)	<0.02	0.13	0.04	<0.05
149.3		biotite-quartz-feldspar schist with thin intercalations of diopside-quartz-vesuvianite calc-silicate ; pyrrhotite (12%) along foliation planes in schist, as coarse blebs in calc-silicate LC 151' = 70°				
153.1		banded po-cp-di-q-gar-ct skarn ; po+cp = 30% of rock ; fine- to coarse disseminated scheelite (<0.1% WO_3)	<0.02	0.13	0.02	<0.05
154.3		banded diopside-quartz-garnet-calcite skarn ; minor silicated limestone - some coarse garnet knots ; po (<0.1%) disseminated or in coarse blebs in siliceous zones - no scheelite				
158.7		slightly foliated biotite-quartz monzonite - 2 small (0.3') xenoliths (?) of diopside-garnet-quartz-calcite skarn ; no scheelite				
164.6		diopside-quartz-garnet-calcite calc-silicate/skarn, banded - some coarse garnet knots - no scheelite LC 170' = 70°				
169.8		di-Q monzonite ; t.g. pyrrhotite (<0.1%) in fractures				
170.4		di-Q-gar-ct marble/skarn, coarse garnet knots ; po+cp (av. ±5%), disseminated or banded - up to ±15% over 0.5'. 0.5' of Q monzonite with veinlets and patches of cp ± po ; scheelite disseminated, fine to coarse grained (<0.1% WO_3 ?)	0.03	0.10	0.03	<0.05
174.5		vaguely banded pyrrhotite-chalcop.-di-Q-gar-ct skarn and minor diop-Q-gar-po skarn (0.5'). 2 sulphide-rich zones (2.9') average ±50%-60% po+cp (40% over section). Scheelite, disseminated, concentrated with sulphides (±0.5% WO_3)	0.10	0.19	0.28	<0.05
177.9		foliated biotite-quartz monzonite				
182.9		di-Q-gar skarn ± ±10% po+cp ; also 182.9-183.8, massive sulphide rock (po-cp-di-q-gar skarn) with ±50% po+cp (average sulphides - 35%) ; scheelite (mg-cg) disseminated throughout but concentrated with sulphides (±0.2-0.3% WO_3) LC 184.6 = 58°	0.09	0.17	0.22	<0.05
184.6		di-q-gar-ct marble/skarn, poorly-to well-banded, some zones with coarse garnet knots - minor schistose (biotitic) intercalations ; up to 187.7, po disseminated in bands and coarse (1") patches with fine-to coarse-grained scheelite associated with sulphide-rich patches (<0.1% WO_3) ; 187.7-192.0 only specks of scheelite (trace WO_3) - split 184.6-187.7	<0.02	0.03	0.01	<0.05
192.0		massive, medium-grained biotite-quartz monzonite.				
196.0		banded di-Q-gar-ct (-act ?) calc-silicate/skarn ; po (±2%) disseminated and in coarse patches - no scheelite				
198.4		slightly foliated biotite-quartz monzonite with some zones containing pyrrhotite blebs and fine-grained garnet - no scheelite				
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