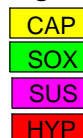


HOLE # : **CAS-031**

WESTERN COPPER CORPORATION CASINO PROJECT DIAMOND DRILL LOG

HOLE # : **CAS-031**

UTM Coordinates NAD 83, Zone 7

Collar Survey Type: **Surveyed, Yukon Eng., 2009**Northing : **6957322.78**Easting : **610717.303**Elevation (m) : **1373.239 m**Zone
LegendHole Length : **638.56 m**Azimuth (true) : **244**Dip : **-70**

NTS : 115J/10

Overburden : **0.0 m**

Contractor : Kluane Drilling Ltd

Logged By : **Christine Hann**Date Hole Started : **September 16, 2009**Date Hole Completed : **October 5, 2009**Core Size: **HTW and NTW**-----

Depth (m)	R.Q.D. weak strong	Zone	Pyrite 0% 10%	From (m)	To (m)	DESCRIPTION	From (m)	To (m)	Wdth (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
0						0.00, 11.95 WRGD: GRANODIORITE: Coarser grained hbl>bt with approximately 30% mafics, 30% grey quartz and 40% feldspars. Magnetite appears to have replaced hornblende but preserving relict textures. Fractures are well oxidized and often coated in clay/jaro/limonite and alteration haloes along the margins of fractures. Locally altered zones where light grey-green chlorite replaces mafics. Hornblende appears as lathes u to 12mm long. Thin stringers/seams of red hematite with chlorite(?) along margins (black seam). Magnetite appears to be increasingly present near stringers and zones of localized alteration. Rare autoliths of mafic/magnetite rich material are present as rounded 3-5cm patches.								
5						11.95, 12.60 WRGD: altered zone before fault/shear zone. Medium to light green chlorite has replaced hornblende (relict textures preserved) and sericitic-clay alteration has replaced feldspars. Light pink to grey quartz remains intact.								
10						12.60, 16.90 WRGD: intensely sheared zone (at approximately 20 degrees TCA). Very gougy and intensely altered by sericite/chlorite/clay. Chlorite is present as a replacement of hornblende (relict textures preserved). Locally dark black crystals of tourmaline? (0.1%) near upper contact. Undulating, crenulated stringers of calcite, and clay within intensely sheared zones. Entire zones is intensely oxidized with only quartz crystals remaining in tact. All mafics and feldsars have been completely altered/replaced by clay/chl/ser.								
15						16.90, 22.32 WRGD: intensely altered by SCC. Chlorite has replaced mafics - preserved hbl textures. Weak carbonate present within stringers. Fractures are coated by clay-jarosite/limonite-sericite. Alternation between dark green to black and medium tan-brown color with								
20														
25														

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
30								changes in alteration. Towards the end of the unit, local brecciated clasts (small, rounded) of latite (medium brown in color).	27.27	30.00	2.73	G288797	0.0009	0.0003	<0.005	1.4
35								22.32, 27.27 LTDD: LATITE DIKE: Medium brown oxidized and likely sericitized (phyllitic alteration), homogenous, aphanitic latite with fine porphyritic laths of fsp (cream-white colored). Trace granodiorite clasts within first 30cm of unit. Moderately flooded with thin stringers of Qz/Carb/Clay weakly brecciating proximal zones. Dark grey, locally hematized quartz pheno's (1-5%).	30.00	32.61	2.61	G288798	0.0013	0.0002	0.072	1
40								27.27, 34.85 LTDD: LATITE DIKE: As above, but unoxidized and medium to dark green in color with oxidized fractures and envelopes around stringers. Fine grained, aphanitic matrix with Porphyritic sub-rounded quartz crystals overprinted by thin fsp lathes (cream-beige color. Whispy, bull white quartz phenos are present as late irregular vug-fill. Approximately 50% early quartz p.blasts, 20% fsp lathes and 5% late quartz stringers.	32.61	34.85	2.24	G288799	0.001	0.0003	0.008	0.8
45								34.85, 42.25 LTXH: LATITE HETEROLITHIC BRECCIA. Clast supported - bx clasts of granodiorite are present with thin latite fingers. A later influx of carbonate has intensely altered latite matrix. Small quartz/fsl fragments within the fine grained dark green aphanitic flood. Late crenulated seams of clay/carb have mottled unit. Late alteration phases of breccia has caused intense zonation of certain clasts. SCC alteration and carbonate alteration. Weak hematization (locally). Closer to granodiorite unit only remnant seams of latite. Weak magnetite replacing chlorite.	34.85	37.00	2.15	G288800	0.0014	0.0002	0.007	<0.5
50								42.25, 443.10 WRGD: GRANODIORITE: Medium to coarse grained with local autoliths of dark grey to black rounded zones of intense mafic concentration (replaced by chlorite and magnetite). Trace disseminated pyrite. Weak silicification. 25-30% mafics throughout. Local autoliths of mafic-rich material up 20cm in size. Rounded with pyrite stringer at 30 deg TCA and extends approximately 1cm into host granodiorite. Pyrite possibly filled a fracture that extends thru both units but mafics promoted deposition of pyrite strictly in autolith.	37.00	40.00	3.00	G288802	0.0033	0.0003	0.01	0.5
55									40.00	42.27	2.27	G288803	0.0059	0.0005	0.032	0.9
60									42.27	45.00	2.73	G288804	0.0009	0.0001	0.008	<0.5
									45.00	48.00	3.00	G288805	0.0006	0.0001	0.006	<0.5
									48.00	51.00	3.00	G288806	0.0008	<0.0001	0.007	<0.5
									51.00	54.00	3.00	G288807	0.0003	0.0001	<0.005	<0.5
									54.00	57.00	3.00	G288808	0.0004	0.0001	0.006	<0.5
									57.00	60.00	3.00	G288809	0.0005	0.0001	<0.005	<0.5
									60.00	63.00	3.00	G288810	0.0004	<0.0001	0.008	<0.5

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
100									97.90	100.00	2.10	G288823	0.0005	<0.0001	<0.005	<0.5
									100.00	103.00	3.00	G288824	0.001	0.0001	<0.005	<0.5
105									103.00	106.00	3.00	G288825	0.0005	0.0001	<0.005	<0.5
110																
115																
120																
125								124.52, 126.70 more strongly altered by chlorite, sericite and locally by clay. Locally gougy at vein contacts where stronger alteration occurs.	124.52	126.70	2.18	G288826	0.0006	0.0001	0.01	0.5
130								126.70, 132.50 medium to coarse grained with local autoliths of dark grey to black rounded zones of intense mafic concentration (replaced by chlorite and magnetite). Trace disseminated pyrite within autoliths. Weak silicification. 25-30% mafics throughout. Local autoliths of mafic-rich material up 20cm in size.								
								132.50, 137.30 more strongly altered by chlorite, sericite and locally by clay. Locally gougy at vein contacts where stronger alteration occurs. Feldspars have	132.30	134.11	1.81	G288827	0.0036	0.0001	0.057	2.6

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Depth (m)	R.Q.D.		Pyrite	From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong					Zone	0%	10%	From (m)	To (m)	Width (m)	Sample	Cu %
135						been replaced by sericite-clay and mafics have been replaced by chlorite and locally sericite-clay. Relict hornblende textures are preserved. Localized Intense gouge and shearing/faulting.	134.11	135.64	1.53	G288828	0.0023	0.0001	0.008	1.1
							135.64	137.30	1.66	G288829	0.0003	<0.0001	0.008	<0.5
140						137.30, 147.50 fresh to weakly SCC altered (as above 42.25-124.52m). Localized dikelets of hematized aplite with minor mafics (fine to medium grained, light pink in color. Trace disseminated pyrite is often present in mafic rich autoliths.	137.30	140.21	2.91	G288830	0.0005	<0.0001	<0.005	<0.5
							140.21	142.40	2.19	G288831	0.0009	<0.0001	<0.005	<0.5
							142.40	144.10	1.70	G288832	0.0004	<0.0001	<0.005	<0.5
145						147.50, 149.15 strongly hematite altered along vein/stringer margins. Moderate SCC alteration. Locally gougy at vein contacts where stronger alteration occurs. Feldspars have been replaced by sericite-clay and mafics have been replaced by chlorite and locally sericite-clay. Relict hornblende textures are preserved.	144.10	146.30	2.20	G288833	0.0004	<0.0001	0.01	<0.5
							146.30	147.50	1.20	G288834	0.0004	<0.0001	0.006	<0.5
							147.50	149.15	1.65	G288835	0.0003	<0.0001	0.006	<0.5
150						149.15, 155.05 moderate chlorite alteration with localized zones of hematite alteration. Locally, aplite (possibly quartz Monzonite) dikes (155.1-152.6m) and dykelets occur. Stingers of chlorite/epidote/hematite occur at 20 deg TCA.	149.15	150.88	1.73	G288836	0.0003	<0.0001	0.005	<0.5
							150.88	152.60	1.72	G288837	0.0009	<0.0001	0.006	<0.5
							152.60	153.72	1.12	G288838	0.0008	<0.0001	0.011	<0.5
155						155.05, 163.32 fresh to weakly SCC altered. Medium to coarse grained with local autoliths of dark grey to black rounded zones of intense mafic concentration (replaced by chlorite and magnetite). Trace disseminated pyrite. Weak silicification. 25-30% mafics throughout. Local autoliths of mafic-rich material up 20cm in size. Rounded with pyrite stringer at 30 deg TCA and extends approximately 1cm into host granodiorite. Pyrite possibly filled a fracture that extends through both units but mafics promoted deposition of pyrite strictly in autolith.								
160							160.32	163.32	3.00	G288839	0.0005	<0.0001	0.005	<0.5
						163.32, 165.95 moderate to strong alteration (SCC). Chlorite/sericite replaces feldspars and clay-sericite has replaced mafics (relict hornblende textures). Locally gougy.	163.32	165.95	2.63	G288840	0.0026	<0.0001	0.038	0.7
165						165.95, 168.65 intense SCC alteration. Veining/structures trend at 30-40 degrees TCA with intense clay alteration on fractures. Chlorite has replaced feldspars and clay-sericite has replaced mafics (hornblende textures are preserved). Abundant thin, cross cutting stringers of clay-sericite and pyrite.	165.95	168.65	2.70	G288841	0.0034	0.0002	0.295	3.9
170						168.65, 176.10 intense SCC alteration. Intense clay alteration on fractures.	168.65	171.00	2.35	G288842	0.0033	<0.0001	0.04	1.1

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Depth (m)	R.Q.D.		Pyrite	From (m)	To (m)	DESCRIPTION	Sample Data										
	weak	strong					Zone	0%	10%	From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
170						Chlorite has replaced feldspars and clay-sericite has replaced mafics (hornblende textures are preserved). Strongly chloritic from 173.95-174.40m with abundant vfg pyrite (15-20%) with increasing pyrite blebs with depth(last 15cm). Local dikelets of aplite ranging from 3-15 cm in thickness.											
175						176.10, 237.20 fresh granodiorite (weakly silicious and/or SCC altered). Hornblende has typically been replaced by magnetite. Biotite is present in greater abundance than above units. Trace pyrite is present as disseminated blebs (possibly as replacement mineralization). Approximately 20% mafics, 40% quartz and 40% feldspars. Sub-rounded to rounded autoliths (~1%) of mafic-rich, moderately magnetic material occur sporadically with undefined contacts. Composition of autolith is typically 60% mafics/40% qtz phenos and range from 3-30cm in size. Trace aplite dikelets occr at approximately 40 degrees TCA. Weak SCC (predominantly chlorite) alteration along margins of some stringers.											
180																	
185																	
190																	
195																	
200																	
205																	

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
425			Orange					and weak chlorite alteration.	420.00	423.00	3.00	G288906	0.0003	<0.0001	<0.005	<0.5
									423.00	424.60	1.60	G288907	0.0003	<0.0001	<0.005	<0.5
									424.60	425.35	0.75	G288908	0.0005	<0.0001	<0.005	1.1
430			Orange						425.35	428.00	2.65	G288909	0.0007	<0.0001	<0.005	<0.5
									428.00	431.00	3.00	G288910	0.0003	<0.0001	<0.005	<0.5
									431.00	434.00	3.00	G288911	0.0003	<0.0001	<0.005	<0.5
435			Orange						434.00	437.00	3.00	G288912	0.0008	<0.0001	<0.005	<0.5
									437.00	440.00	3.00	G288913	0.0004	<0.0001	<0.005	0.6
									440.00	441.50	1.50	G288914	0.0004	<0.0001	<0.005	<0.5
440			Orange						441.50	442.50	1.00	G288915	0.0003	<0.0001	<0.005	<0.5
									442.50	443.10	0.60	G288916	0.0114	0.0001	0.011	2.3
									443.10	445.10	2.00	G288917	0.0028	0.0002	0.03	1.8
445			Orange					443.10, 444.00 LTDE: LATITE DIKE: Fine grained to aphanitic groundmass with biotite/hbld phenocrysts (often replaced by chlorite). Dark green-grey. Disseminated pyrite. Weakly brecciated, chilled contacts.	445.10	446.80	1.70	G288918	0.0021	<0.0001	0.076	2.9
									446.80	447.86	1.06	G288919	0.0175	0.0001	0.03	2.8
									447.86	450.00	2.14	G288920	0.0004	<0.0001	<0.005	<0.5
450			Orange					444.00, 447.86 WRGD: GRANODIORITE: Dark, green SCC altered. Predominantly Clay/Ser. Chlorite has altered feldspars and replaced mafics with fine-grained sericite lathes. Weakly foliated at 50 degrees TCA. Pyrite is present as disseminations and stringers.	450.00	453.00	3.00	G288921	0.0033	0.0012	<0.005	<0.5
									453.00	454.80	1.80	G288922	0.0019	0.0005	<0.005	0.7
									454.80	456.60	1.80	G288923	0.0014	0.0002	<0.005	0.8
455			Orange					447.86, 638.56 WRGD: fresh to weakly potassic altered (faint pink feldspar alteration) and silicified with SCC alteration near stringers of Qtz/Cal. Hematite stringers run sub-horizontal TCA Local autoliths of mafic-rich diorite. (As above 417.36-443.10)	456.60	457.30	0.70	G288924	0.159	0.0001	0.302	30

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
495									493.54	496.52	2.98	G288938	0.0004	<0.0001	<0.005	<0.5
									496.52	499.50	2.98	G288939	0.0004	<0.0001	<0.005	<0.5
500									499.50	502.50	3.00	G288940	0.0007	<0.0001	<0.005	<0.5
									502.50	503.65	1.15	G288941	0.001	<0.0001	<0.005	<0.5
505									503.65	505.93	2.28	G288942	0.0011	<0.0001	<0.005	<0.5
								505.93, 512.45 strong SCC alteration with 10-15% pyrite. Weakly foliated at 40 degrees TCA. Alteration appears to be zoned - beginning clay rich, then clay-sericite and becoming more chlorite-rich. Locally gougy and veined.	505.93	506.10	0.17	G288943	0.0064	<0.0001	0.139	5.8
									506.10	509.02	2.92	G288944	0.0015	<0.0001	0.067	2.7
510									509.02	511.05	2.03	G288945	0.007	<0.0001	0.1	3
									511.05	512.45	1.40	G288946	0.0296	0.0011	1.01	32
515								512.45, 520.70 fresh, silicified. Relatively unaltered except zones of chlorite alteration around stringers.	512.45	514.00	1.55	G288947	0.0005	<0.0001	0.005	<0.5
									514.00	517.00	3.00	G288948	0.0006	0.0003	<0.005	1.8
									517.00	519.00	2.00	G288949	0.0008	<0.0001	<0.005	0.5
520								520.70, 521.85 strong SCC alteration. Low angle stringers. Mafics have been replaced by Chl/Clay/Ser.	519.00	520.70	1.70	G288950	0.0005	<0.0001	<0.005	0.8
								521.85, 522.80 weak SCC alteration. Moderate SCC alteration. Homogenous unit with magnetite and chlorite replacing mafics. Relict hornblende texture is preserved. Weakly foliated.	520.70	522.80	2.10	G288952	0.0008	<0.0001	<0.005	<0.5
									522.80	524.40	1.60	G288953	0.0175	0.0007	0.268	16
525								522.80, 524.40 strong SCC alteraion with gougy, clay-rich contacts. Mafics have been replaced by clay-sericite and locally chlorite. Feldspars have been strongly altered by chlorite/sericite and locally clay (gougy zones).	524.40	527.00	2.60	G288954	0.0006	<0.0001	0.005	2.6
								524.40, 548.80 fresh to weaky SCC altered with local zones of stronger chlorite at	527.00	530.00	3.00	G288955	0.0006	<0.0001	<0.005	<0.5

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data						
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)
565			X X												

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Depth (m)	R.Q.D.		Zone	Pyrite		From (m)	To (m)	DESCRIPTION	Sample Data							
	weak	strong		0%	10%				From (m)	To (m)	Width (m)	Sample	Cu %	Mo %	Au (g/t)	Ag (g/t)
600								601.70, 617.00 light to medium green, SCC altered and weakly silicified. Intermitted fresh zones up to 2m. Moderate to strong SCC alteration and intense clay alteration at fault zone. Gradational upper and lower contacts. Grading from strong to weak alteration. Locally texturally destroyed by sericite alteration. Clay-sericite replaces mafics and chlorite/sericite has altered feldspars.	600.46	601.70	1.24	G288986	0.0023	<0.0001	<0.005	<0.5
									601.70	603.70	2.00	G288987	0.0016	<0.0001	<0.005	0.6
605									603.70	605.15	1.45	G288988	0.0017	<0.0001	<0.005	<0.5
									605.15	606.80	1.65	G288989	0.0018	0.0007	0.122	11
									606.80	608.60	1.80	G288990	0.0009	<0.0001	0.011	1.4
610								617.00, 619.35 strong SCC and phyllic alteration with abundant pyrite mineralization as vein and blebby overprints. Texture has been moderately destroyed due to phyllic alteration.	608.60	611.00	2.40	G288991	0.003	<0.0001	0.051	1.4
									611.00	614.00	3.00	G288992	0.0008	<0.0001	0.005	<0.5
615									614.00	617.00	3.00	G288993	0.0005	<0.0001	<0.005	<0.5
									617.00	618.00	1.00	G288994	0.0079	0.0004	0.288	14
									618.00	619.35	1.35	G288995	0.0199	0.001	0.423	13
620								619.35, 638.56 gradationally changing from weak to moderate SCC alteration with stringers of Carb/Qtz approximately parallel TCA with local Py mineralization. Moderately destroyed textures from sericitization. Weakly foliated. Clay-sericite replaces mafics and chlorite/sericite has altered feldspars.	619.35	621.85	2.50	G288996	0.0003	<0.0001	<0.005	<0.5
									621.85	623.70	1.85	G288997	0.0022	<0.0001	0.01	2.8
625									623.70	626.63	2.93	G288998	0.0008	0.0001	<0.005	<0.5
									626.63	629.00	2.37	G288999	0.0018	0.0001	0.017	1.9
630									629.00	630.95	1.95	G289000	0.0012	<0.0001	<0.005	0.9
								630.95	633.12	2.17	G289002	0.0027	<0.0001	0.093	2.7	
								633.12	634.50	1.38	G289003	0.0012	<0.0001	0.047	2.8	
635								634.50	635.20	0.70	G289004	0.0115	0.0006	1.39	290	
								635.20	637.05	1.85	G289005	0.0011	<0.0001	0.103	4	

