Beaconsfield Gold NL

Diamond Drill Hole Summary Log Sheet

Tenement: EL 19/97
Prospect: Winkleigh
Hole No: WDH-2
Date Drilled: 30 Mar – 15 Apr 1999
Driller: Stacpoole-W Bald

Collar: 487,199E, 5,428,423N AMG
RL: 115.8m
AZM: 294 AMG
Dip: -50
Core Size: HQ 1.3 – 200.9m

Total Depth: 200.9m
Water Table: not detected
Base of Oxid'n: 29.9m
Sample No's: WDM2-11 to -66
Geologist: K Morrison

Purpose

To test an As-Au soil anomaly over a sandstone dominant unit and prognosed thrust related fault structures near the contact with underlying Flowery Gully Limestone.

Core Recovery: 98.9%

Down Hole Surveys

1. 119.4 metres,
   Dip -50°
   AZ 297° AMG

2. 193.9 metres
   Dip -48°
   AZ 291° AMG

Results

The hole collared and remained in an interbedded sequence of brittle sandstone and slatey carbonaceous siltstone. Three major intraformational faults were intersected but no evidence of section thickening was seen. The sequence is interpreted as basal Corn Hill Beds. Quartz, calcite and ankerite veining, stockwork textures and localised pervasive calcite, chlorite or silica alteration are common in the sandstone units. No gold was encountered but anomalous arsenic (up to 0.3%) persists through the sandstone.

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Depth (m)	Litho	Unit	Description
0 – 1.3	Regolith		pre collar soil, regolith, weathered clay, rock.
1.3 – 2.45	Siltstone	Dch	yell-brn, heavily oxidised, abundant clay.
2.45 – 5.75	Siltstone	Dch	mottled lt-dk gry cleaved sltst, minor f qtz sst, blk sh, abund dk mud flasers, pelletel bodies sub parallel to bedding. Principal cleavage parallel to bedding CBA 50-60.
5.75 – 20.0	Siltstone	Dch	bleached pale cleaved sltst-mdst A/A, flaser laminated, discordant burrow-like structures. Principal cleavage crenulated by later cleavage in localised 10-20 cm zones.
20.0 – 29.9	Siltstone	Dch	transition zone of alternating fresh, oxidised cleaved, flaser laminated (?bioturbated) sltst-mdst A/A.
29.9 – 73.6	Siltstone	Dch	fresh lt-dk gry cleaved sltst, mdst, minor vf-f qtz sst with wht mica, up to 30% dk flasers flattened carb pellets, CBA 55, local blk slate zones, crush zones with qtz, calcite, ankerite veining (31.4-31.5, 42.5-42.55, 43.65-43.68, 52.45-53.05,57.50-57.75, 59.0-59.1, 65.2-66.0) and rare coarse py blebs at base.

Assays			
Sample No	Interval (m)	As (ppm)	Au (ppb)

Depth (m)	Litho	Unit	Description
73.6 – 89.0	Siltstone	Dch	dk gry deformed crush zone sltst-mdst A/A, grading down to contact at 89.0 m; crenulated zone, recumbent zone, breccia zone. Calcite veinlets, clots, folded qtz + calcite veins, including ankerite below 83.5 (very little py).
89.0 – 105.1	Sandstone	Dch	gry blk f qtz sst, partly recrystalised, abund flecks carbonaceous clasts, abund f fractures, pits, stylolite structures, in part forming network fabric. vf py + green ?chlorite on fracture surfaces, typically <1% py, locally up to 20% over 5 cm, minor stratiform trains py blebs. 3 veins typically occur throughout the interval; 1-3 cm folded, dismembered qtz, calcite, ankerite, 5-10 cm massive qtz, calcite with common dissolution pits, coarse xtals, 1-2 cm qtz, carbonate veinlet stockwork, common stylolites. blk clay breccia crush zone, 104.9 – 105.1.
105.1 – 130.4	Sandstone	Dch	gry f minor med qtz sst, massive siliceous, frequent zones fine stylolites, veinlet stockworks but less deformed than interval above. Qtz calcite ± ankerite veins (107.3-107.45, 111.4-111.55, 111.95-112.2,117.45-118.35) crack seal textures in qtz. BCA 60-70 Coarse sphalerite xtals (3) in 117.45-118.35 vein – this vein is sub parallel to core. Zones of 1-10% vf py in veinlet stockwork and on fracture surfaces. Massive 1-5 cm qtz + minor carbonate veins normal to bedding VCA 30.

Assays			
Sample No	Interval (m)	As (ppm)	Au (ppb)
WDM2-11	87.6-88.2	<50	<10
WDM2-12	88.2-88.8	<50	<10
WDM2-13	88.8-89.0	330	<10
WDM2-14	89.0-89.7	1690	<10
WDM2-15	89.7-90.2	175	<10
WDM2-16	90.2-90.8	405	<10
WDM2-17	90.8-91.6	325	<10
WDM2-18	91.6-92.5	220	<10
WDM2-19	92.5-93.4	840	<10
WDM2-20	93.4-94.7	630	<10
WDM2-21	94.7-95.3	155	<10
WDM2-22	95.3-95.9	345	<10
WDM2-23	95.9-96.5	<50	<10
WDM2-24	96.5-97.2	55	<10
WDM2-25	97.2-97.9	55	<10
WDM2-26	97.9-98.7	60	<10
WDM2-27	98.7-99.5	85	<10
WDM2-28	99.5-100.3	80	<10
WDM2-29	100.3-101.2	210	<10
WDM2-30	101.75-102.4	395	<10
WDM2-31	102.4-103.1	80	<10
WDM2-32	103.1-103.8	145	<10
WDM2-33	103.8-104.5	370	<10
WDM2-34	111.25-111.6	185	<10
WDM2-35	111.95-112.25	<50	<10
WDM2-36	113.9-114.4	2010	<10
WDM2-37	117.7-118.2	<50	<10
WDM2-38	118.2-118.7	<50	<10
WDM2-39	127.3-128	125	<10
WDM2-40	128.9-129.6	60	<10
WDM2-41	129.6-130.5	135	<10

Depth (m)	Litho	Unit	Description
130.4 – 130.9	Sandstone	Dch	alteration overprint of 0.5-1 cm calcite spotting + trains, blebs py. Abrupt edges to alt zone.
130.9 – 131.37	Sandstone	Dch	fining up cycle of med qtz sst with angular blk sh slasts in 10 cm basal unit grading up to f qtz sst A/A. Interval bleached with calcite alt and enriched in py blebs, trains.
131.37 – 132.6	Siltstone	Dch	olive grn interbedded sltst-mdst with alteration overprint of calcite bleaching, stratiform py.
132.6 – 140.5	Siltstone	Dch	dk gry flaser bedded cleaved sltst-carb mdst, mainly stratiform py trains (possibly authigenic). Weakly developed qtz vein stockwork 134.5-134.7, minor brittle deformation in top 20 cm (ductile contrast at strat contact). Small fold 136-138.
140.5 – 141.4	Siltstone	Dch	olive gry interstrat sltst-mdst, minor vf qtz sst with alt overprint of zones of intense py + speckled calcite.
141.4 – 143.0	Sandstone	Dch	gry blk silicified f qtz sst (orthoquartzite), abund fine fracturing, veinlet stockwork, local brecciation, calcite spotting, common pits, vugs, minor py.
143.0 - 152.7	Sandstone	Dch	gry blk silicified sst/orthoquartzite A/A but no calcite. Patchy zones py blebs up to 10%, stylolitic carbonaceous layers with local graphitic slickensides. Zone of qtz crackle, veinlet stockwork 148-148.4
152.7 – 160.0	Sandstone	Dch	gry blk silicified f qtz sst A/A with overprint of qtz ladder veining, minor pervasive qtz crackle, veins qtz + minor ankerite, common bedding parallel pits, cavities, minor py blebs. BCA 40-50. Common graphite, some calcite, wht ?clay on fracture surfaces.
160.0 – 163.0	Sandstone	Dch	A/A but badly broken core with 5% py enrichment.

Assays			
Sample No	Interval (m)	As (ppm)	Au (ppb)
WDM2-42	130.5-131.4	100	<10
WDM2-43	131.4-131.9	<50	<10
WDM2-44	131.9-132.6	<50	<10
WDM2-45	140.6-141.0	135	<10
WDM2-46	141.4-141.95	135	<10
WDM2-47	141.95-142.5	50	<10
WDM2-48	142.5-142.9	<50	<10
WDM2-49	143.4-143.9	<50	<10
WDM2-50	144.15-144.65	70	<10
WDM2-51	145.05-145.25	60	<10
WDM2-52	147.55-147.75	145	<10
WDM2-53	147.9-148.4	3320	<10
WDM2-54	153.4-153.8	65	<10
WDM2-55	156.05-156.6	<50	<10
WDM2-56	160.5-160.9	55	<10
WDM2-57	161.2-161.8	<50	<10
WDM2-58	161.8-162.2	<50	<10
WDM2-59	162.2-162.7	<50	<10

Depth (m)	Litho	Unit	Description
163.0 – 174.0	Sandstone	Dch	gry blk silicified f qtz sst, blk glassy fracture surfaces, common calcite, 1-5% py on fractures, qtz, calcite ± ankerite veins up to 5 cm, decreased pervasive silica.
174.0 – 175.8	Sandstone	Dch	fault zone, heavily pitted qtz, calcite veined, heavy calcite spotting, 5-10% py.
175.8 – 177.5	Siltstone	Dch	fault zone, brecciated, crumpled, kinked, recumbent folded carbonaceous, flaser laminated sltst-mdst.
177.5 – 200.9	Siltstone	Dch	gry blk uniform flaser laminated carb sltst-mdst, minor kinking of principal cleavage, associated ladder veinlets, single qtz calcite veins 1-5 cm. Veins are faulted, ladder structures mainly normal to bedding, Main zones of veining ladder structures at 191.9-193.8, 195.6-196.7. Fault structure 185.9 – 187.7 = intra unit structure, equivalent style to strat contact faults. Abrupt edges to fault zone, crush clay, broken core, graphitic slickensides within 70 cm each side of fault.
EOH			

Assays			
Sample No	Interval (m)	As (ppm)	Au (ppb)
WDM2-60	163.15-163.5	385	<10
WDM2-61	169.3-169.8	<50	<10
WDM2-62	173.2-173.6	170	<10
WDM2-63	173.8-174.2	<50	<10
WDM2-64	174.2-174.85	65	<10
WDM2-65	175.2-175.6	<50	<10
WDM2-66	175.6-176.2	95	<10