**COMPANY:** Goldstream Mining N.L.
**PROJECT:** O'Briens Mine, Mathinna
**HOLE NUMBER: GS 1**

| | |
|---|---|
| Commenced | 28 April 1992 |
| Completed | 04 May 1992 |
| Logged By | L.A.Newnham |
| Drilled By | F.Ortner |

| Purpose |
|---|
| To test the O'Briens No.1 Reef beneath the No.1 tunnel workings. |

| Comments on Completion |
|---|
| Hole intersected a sequence of sandstones and minor shales. Between 69-100m., this sequence was extensively cut by narrow quartz veins carrying pyrite. Gold values in these veins was very low.The hole appears to have passed beneath the West plunging main shoot. |

Collar Details

| Northing | Easting | Elevation | Dip | Bearing | Grid |
|---|---|---|---|---|---|
| 45m/223AMG from Main Shaft | | | 60 | 352 | AMG |

| Length |
|---|
| 129.1m |

*Collar between 5,417,400N – 5 417,600N and 569,500E – 569,700E*

| Down Hole Surveys | | |
|---|---|---|
| Depth | Dip | Bearing |
| 46.0 | 61.5 | 353 |
| 79.0 | 62.0 | 351 |
| | | |
| | | |
| | | |
| | | |
| | | |

| Core Size | |
|---|---|
| Interval | Size |
| 0 - 3.0 | HW |
| 3.0 - 39.0 | HQ |
| 39.0-129.1 | NQ-2 |
| | |

| Significant Core Loss Zones | |
|---|---|
| Interval | % Recovered |
| | |
| | |
| | |
| | |
| | |

Summary

| Depth | | Elevation | | Recovery | Description | Assays | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | From | To | % | | Length | Au g/t | As% | | | | |
| 69.5 | 69.8 | | | 100 | Quartz-arsenopyrite veins | 0.3m. | 2.58 | 1.35 | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |

Newnham Exploration and Mining Services

**COMPANY:** Goldstream Mining N.L.
**PROJECT:** O'BRIENS MINE
**HOLE NUMBER:** GS 1

| Core Recovery | | | | Description | | | | Assays | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | m. | % | From | To | Lithology and Mineralisation | Structure | From | To | Au(g/t) | As % | | | | |
| | | | | | | SUMMARY LOG: | | | | | | | | | |
| | | | | 0.0 | 3.0 | Casing- no core | | | | | | | | | |
| | | | | 3.0 | 69.3 | Sandstones with minor shale bands and ocassional thin quartz veins. Unit generally weathered but becoming fresher towards base. | | | | | | | | | |
| | | | | 69.3 | 100.0 | Sandstones and minor shale beds cut by frequent quartz veins carrying pyrite and minor arsenopyrite. | | | | | | | | | |
| | | | | 100.0 | 129.1 | Sandstones with minor shales, quartz veins infrequent. | | | | | | | | | |
| | | | | | | DETAILED LOG | | | | | | | | | |
| 0.0 | 3.0 | 0.0 | 0 | 0.0 | 3.0 | No core, HQ casing in fill and clays | | | | | | | | | |
| 3.0 | 7.6 | 1.0 | 22. | 3.0 | 16.3 | Sandstones, strongly weathered, light brown and white; soft. Minor shale bands, dark gray. | Core very broken and weathered with a number of joint directions ranging from 0'-60CA. BCA 12m: 45' 13.7m:40' | | | | | | | | |
| 7.6 | 10.6 | 2.0 | 66. | | | | | | | | | | | | |
| 10.6 | 13.6 | 2.0 | 66. | | | | | | | | | | | | |
| 13.6 | 16.6 | 2.5 | 83. | 16.3 | 19.9 | Shale, dark gray, well bedded, minor sandstones | | | | | | | | | |
| 16.6 | 17.5 | 0.9 | 100 | | | | | | | | | | | | |
| 17.5 | 19.6 | 1.8 | 86 | 19.9 | 38.4 | Sandstones, soft, weathered, light brown with occasional thin shale bands, dark gray. | Shale beds usually very broken BCA 24m. 35'; 34m 30'; | | | | | | | | |
| 19.6 | 22.6 | 2.9 | 97 | | | | | | | | | | | | |
| 22.6 | 24.0 | 1.2 | 86 | | | Several sets quartz-iron oxide veins, 1-5mm thick. Vein directions range from 70 to bedding to bedding parallel. | Major veins 25' CA but approx. 40' to bedding. | | | | | | | | |
| 24.0 | 25.4 | 1.3 | 93 | | | | | | | | | | | | |
| 25.4 | 27.9 | 2.2 | 88 | | | | | | | | | | | | |
| 27.9 | 30.9 | 2.8 | 93 | 38.4 | 39.7 | Shale as above | BCA 39m. 40'; | | | | | | | | |
| 30.9 | 34.0 | 3.0 | 97 | 39.7 | 50.8 | Sandstone as above; several 2-5mm quartz veins between 42-46m. | Core still broken along bedding and joints. BCA 49m. 30' | | | | | | | | |
| 34.0 | 36.1 | 2.0 | 95 | | | | | | | | | | | | |
| 36.1 | 38.4 | 2.0 | 87 | 50.8 | 53.5 | Shale as above | | | | | | | | | |
| 38.4 | 129.1 | 90.7 | 100 | 53.5 | 69.3 | Sandstone as above but less weathered, light gray. Quartz veins becoming more common but generally sulfide barren, except near base of unit they carry coarse euhedral pyrite. | Core moderately competent but shale bands still very broken. BCA's typically 30' CA | | | | | | | | |
| | | | | | | 2-5mm. wide and usually 30CA. Several 15-20mm. veins between 56-65m. | | 68.5 | 69.5 | 0.013 | 0.02 | | | | |
| | | | | 69.5 | 69.8 | Quartz vein carrying abundant coarse pyrite and fine arsenopyrite. Vein approx. 35'CA | Core competent but main quartz veins are strongly fractured. | 69.5 | 69.8 | 2.58 | 1.35 | | | | |
| | | | | | | | | 73.0 | 73.6 | <0.008 | <0.01 | | | | |
| | | | | | | | | 75.1 | 75.6 | 0.017 | <0.01 | | | | |
| | | | | 69.8 | 100.0 | Light gray sandstones with minor shale beds, cut by abundant but narrow quartz | Sandstone competent but shale beds broken parallel to bedding. | 80.6 | 81.6 | 0.025 | <0.01 | | | | |
| | | | | | | | | 81.6 | 82.6 | 0.037 | 0.14 | | | | |

**COMPANY:** Goldstream Mining N.L.
**PROJECT:** O'BRIENS MINE
**HOLE NUMBER:** GS 1

| Core Recovery | | | | Description | | | | Assays | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | m. | % | From | To | Lithology and Mineralisation | Structure | From | To | Au(g/t) | As % | Au(Rep) | | | |
| | | | | 69.8 | 100.0 | (continued) veins with coarse euhedral pyrite and rare arsenopyrite; unusual black sacchroidal sandstone 74.5-75.0; shales 76.6-80.6; qtz. veins in shales parallel bedding and poor in sulfides. Tension gash veins common adjacent to thicker quartz veins in sandstone; | BCA's generally 35' Broken quartz vein zone 81.6-82; Several joint directions, main 70' CA and bedding parallel | 82.6 | 83.6 | 0.015 | 0.026 | | | | |
| | | | | | | | | 83.6 | 84.6 | 0.009 | <0.01 | | | | |
| | | | | | | | | 88.7 | 89.7 | 0.014 | <0.01 | | | | |
| | | | | | | | | 91.2 | 92.2 | 0.009 | <0.01 | | | | |
| | | | | | | | | 100.0 | 100.8 | 0.016 | <0.01 | | | | |
| | | | | | | | | 100.8 | 101.8 | 0.032 | 0.023 | 0.077 | | | |
| | | | | | | | | 101.8 | 102.8 | 0.009 | <0.01 | | | | |
| | | | | 100.0 | 101.9 | Zone of more abundant quartz veining in light gray sandstones; veins vary in thickness from hairline to 20 cm. All veins contain pyrite and fine arsenopyrite | Main quartz vein 101.2-101.9 broken,remainder of unit competent; main joint direction 70' CA | | | | | | | | |
| | | | | 101.9 | 129.1 | Sandstone, massive,gray; with minor shale bands; occasional thin quartz veins; 10mm veins at 123.9,125.1m. at 60' CA; veins generally unmineralised. END OF HOLE | Sandstone competent with main jointing 65' CA, shales strongly fractured along bedding planes often with graphitic surfaces; BCA's 20-30' | | | | | | | | |