# GOLDEN RIDGE
# E12/93
# DIAMOND DRILL LOGS

| HOLE | AMG EAST | AMG NORTH | RL | GRID AZIMUTH | DIP | DEPTH | DATE | GEOLOGIST |
|---|---|---|---|---|---|---|---|---|
| GRD007 | 585908.0 | 9416373.6 | 495.92 | 327.00 | -60 | 250.5 | 03/02/97 | D.FRANCES |

| SURVEY DEPTH | GRID AZIMUTH | DIP |
|---|---|---|
| 24.00 | 331.00 | -60.00 |
| 57.00 | 336.00 | -60.50 |
| 90.00 | 338.00 | -61.00 |
| 120.00 | 341.00 | -61.00 |
| 150.00 | 341.00 | -62.00 |
| 180.00 | 346.00 | -63.00 |
| 211.50 | 348.00 | -63.00 |
| 240.50 | 348.50 | -63.50 |

| DEPTH FROM | DEPTH TO | LITHO CODE | WTH | COLOUR | MIN | GRAIN SIZE | TEXT. | TEXTURE CORE ANG | TEXTURE ORI. | SULPH 1 | SULPH 2 | SULPH 3 | SULPH 4 | ALTN 1 | ALTN 2 | ALTN 3 | VEIN | ANGLE TO CORE ANG | VEIN ORI | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 2.70 | No Core | | | | | | | | | | | | | | | | | | No core only pad fill. |
| 2.70 | 3.00 | Ssd | | Gr | | FG | | | | | | | | | | | Fr | | | Fe filled & stained / Fracture fs Snd St, Fe fracturing |
| 3.00 | 6.00 | Ssd | | | | | | | | | | | | | | | | | | |
| 6.00 | 7.00 | Ssd | | | | | | | | | | | | | | | Qu | 45 | | 6.1m <1cm Qu vein |
| 7.00 | 8.00 | Ssd | | | | | Fr | 45 | | | | | | | | | | | | 7.5 - 9.6 fractured Ossd |
| 8.00 | 9.00 | Ssd | | | | | | | | | | | | | | | | | | As above |
| 9.00 | 10.0 | Ssd | | | | | | | | | | | | | | | | | | As above |
| 10.0 | 11.0 | Ssd | | | | | So | | 25 290 | | | | | | | | | | | Ori 10.6m |
| 11.0 | 12.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | Interbedded Sst/Slt layers <1m thick. |
| 12.0 | 15.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 15.5 contorted lamination in OSst |
| 15.5 | 16.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | |
| 16.0 | 20.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | |
| 20.0 | 21.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 20.7 HQ - NQ |
| 21.0 | 24.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | |
| 24.0 | 25.0 | Sst/Ssd | | | | | S | | 15 090 | | | | | | | | | | | 24.5 - 25 Dendritic Mn growths |
| 25.0 | 26.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 25.5 Slight clear band 3cm/24.5 - 25 Dendritic Mn growths |
| 26.0 | 27.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 24.5 - 25 Dendritic Mn growths |
| 27.0 | 28.0 | Ssd | | gy | | Qu lith | fg | | | | | | | | | | | | | going Ossd |
| 28.0 | 29.0 | Ssd | | gy | | | | | | | | | | | | | | | | Qu lithic |
| 29.0 | 34.0 | Ssd | | gy | | | | | | | | | | | | | | | | |
| 34.0 | 35.0 | Ssd | | gy | | | | | | | | | | | | | | | | 34.5 ori |
| 35.0 | 38.0 | Ssd | | gy | | | | | | | | | | | | | | | | |
| 38.0 | 39.0 | Ssd | | cr | | Qu | fg | | | | | | | | | | | | | Cream ossd |
| 39.0 | 40.0 | Ssd | | | | | | | | | | | | | | | | | | Qu |
| 40.0 | 42.0 | Ssd | | | | | | | | | | | | | | | | | | |
| 42.0 | 43.0 | Ssd | | | | | | | | | | | | | | | | | | 42 - highly fractured core Fe stained fractures |
| 43.0 | 45.0 | Ssd | | | | | | | | | | | | | | | | | | Minor quartz veining @ 44.7. |
| 45.0 | 48.0 | Ssd | | | | | | | | | | | | | | | | | | |
| 48.0 | 49.0 | Ssd | | | | | | | | | | | | Si | | | | | | 48 - 49 brecciated Ossd, Silic'n minor |
| 49.0 | 50.0 | Ssd | | | | | | | | | | | | | | | | | | |
| 50.0 | 51.0 | Ssd | | cr | | | fg | | | | | | | | | | | | | Fractured (Fe stained) ossd |
| 51.0 | 55.0 | Ssd | | | | | | | | | | | | | | | | | | |
| 55.0 | 60.0 | Ssd | | gy | | | | | | | | | | | | | | | | |

*CONTINUED...*

# GOLDEN RIDGE
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## DIAMOND DRILL LOGS

**GRD7 CONTINUED**

| DEPTH FROM | DEPTH TO | LITHO CODE | WTH | COLOUR | MIN | GRAIN SIZE | TEXT. | TEXTURE CORE ANG | TEXTURE ORI. | SULPH 1 | SULPH 2 | SULPH 3 | SULPH 4 | ALTN 1 | ALTN 2 | ALTN 3 | VEIN | ANGLE TO CORE ANG | VEIN ORI | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60.0 | 61.0 | Ssd | | gy | | | | | | | | | | | | | QF | 45 | | 1cm veggy Fe Qu veins conjugate to fracture set |
| 61.0 | 65.0 | Ssd | | gy | | | | | | | | | | | | | | | | |
| 65.0 | 66.0 | Ssd/Sst | | gy | | | | | | | | | | | | | | | | |
| 66.0 | 67.0 | Ssd/Sst | | | | | So | | SV 030 | | | | | | | | | | | |
| 67.0 | 71.0 | Ssd/Sst | | | | | | | | | | | | | | | | | | 67.5 ori. Interbedded sand, silt ~1m thick |
| 71.0 | 71.3 | Ssd/Sst | | | | | F | 45 | | | | | | | | | | | | 10cm fault 45 TCA. Clay filled Ossd |
| 71.3 | 75.0 | Ssd/Sst | | | | | | | | | | | | | | | | | | |
| 75.0 | 80.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 76.5 ori |
| 80.0 | 81.0 | Sst/Ssd | | | | | So | 45 | | AsPy,dis,<1% | | | | | | | | | | 80.5 fracturing perpend to SO & minor AsPy diss |
| 81.0 | 82.0 | Sst/Ssd | | | | | F | 90° to So | | | | | | | | | | | | |
| 82.0 | 91.0 | Sst/Ssd | | | | | | | | | | | | Si | | | | | | |
| 91.0 | 92.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | 91.5 ori, 91.4 - 91.6 fractured silicified, bleached Ossd |
| 92.0 | 96.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | |
| 96.0 | 97.0 | Sst/Ssd | | | | | F | 0 | | Py,V,<1% | | | | | | | Qu | 0/45 | | 96-97 fract & vein (Q), 11&45 TCA. Minor Py in vein |
| 97.0 | 98.0 | Sst/Ssd | | | | | | | | AsPy,V,dis,3% | | | | | | | Qu | 30 | | 97.8 QV 30 TCA, 3% AsPy & minor Py |
| 98.0 | 99.0 | Sst/Ssd | | | | | | | | Py,V,<1% | | | | | | | | | | |
| 99.0 | 100.0 | Sst/Ssd | | | | | | | | | | | | | | | | | | |
| 100.0 | 103.0 | Sst/Ssd | | gy | | m-fg | | | | | | | | | | | | | | |
| 103.0 | 104.4 | Sst/Ssd | | | | | | | | Py,dis/V,1% | | | | | | | | | | 104 - bedding 008 18 west parrallel to bed |
| 104.4 | 105.5 | Ssd | | | | | | | | | | | | | | | | | | |
| 105.5 | 106.0 | Ssd | | lt gy | | mg | | | | | | | | | | | | | | |
| 106.0 | 106.5 | Ssd | | lt gy | | mg | | | | | | | | | | | | | | |
| 106.5 | 107.8 | Ssd | | lt gy | | mg | | | | | | | | Si | | | | | | Silicified, greenish |
| 107.8 | 110.4 | Ssd | | lt gy | | mg | | | | | | | | | | | | | | 109.6, 2cm Qu |
| 110.4 | 112.0 | Sst/Ssd | | gy | | | | | | | | | | | | | Bq,1% | | | |
| 112.0 | 115.8 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 115.8 | 116.4 | Sst/Ssd | | gy | | | | | | Py,V,tre | | | | | | | Qs/Bq,3% | | | Mn (py,aspy,qv) 350, 86 E, silicif, micro qu |
| 116.4 | 117.0 | Sst/Ssd | | gy | | | | | | AsPy,V,tre | | | | | | | Qs/Bq,3% | | | As above |
| 117.0 | 118.0 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 118.0 | 119.0 | Sst/Ssd | | gy | | | | | | | | | | | | | Bq | | | |
| 119.0 | 120.0 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 120.0 | 121.0 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 121.0 | 125.0 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 125.0 | 127.3 | Sst/Ssd | | gy | | m-fg | | | | | | | | | | | Bq,1% | | | |
| 127.3 | 129.0 | Sst/Ssd | | gy | | f | | | | Py,V,tr | AsPy,V | | | Ch,V | | | Qc/Qs,4% | | | 0.5-1cm qv's.128m qv's 012 88E.Incr vein mostly carb. |
| 129.0 | 132.2 | Sst/Ssd | | gy | | f | | | | | | | | Ch,V | | | Qc/Qs,4% | | | As above |
| 132.2 | 135.0 | Sst/Ssd | | gy | | | | | | | | | | | | | | | | |
| 135.0 | 136.0 | Sst/Ssd | | gy | | | | | | | | | | ch/bt,spt | | | Bq,1% | | | Rare 0.5cm qv, no alt halo |
| 136.0 | 139.7 | Sst/Ssd | | gy | | | | | | | | | | ch/bt,spt | | | | | | |
| 139.7 | 140.9 | Ssd | | | | vf | | | | | | | | ch/bt,spt | | | | | | Vein & alt 140m, 014 vertcl bed 015, 108W cherty f. Snd St |
| 140.9 | 146.0 | Sst/Ssd | | | | | | | | | | | | ch/bt,spt | | | | | | Increasing spotting in S2 |
| 146.0 | 146.5 | Sst/Ssd | | | | | | | | | | | | ch/bt,spt | | | Qc,1% | | | |
| 146.5 | 148.0 | Sst/Ssd | | | | | | | | | | | | ch/bt,spt | | | | | | |
| 148.0 | 150.7 | aSt/Sd St | | | | m-fg | | | | | | | | Se,diss | Cb,V | | C,4% | | | 148.2, 5cm fault bk. 148-150.7 bleached cb veinlets |
| 150.7 | 151.2 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | |
| 151.2 | 151.6 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | Qu,cbbx spotty sltst & minor sndst beds = greywacke,no vein |
| 151.6 | 159.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | |
| 159.0 | 160.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | |
| 160.0 | 163.5 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | Banded 'spotty' siltstone/greywacke |

*CONTINUED...*

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**GRD7 CONTINUED**

| DEPTH FROM | DEPTH TO | LITHO CODE | WTH | COLOUR | MIN | GRAIN SIZE | TEXT. | TEXTURE CORE ANG | TEXTURE ORI. | SULPH 1 | SULPH 2 | SULPH 3 | SULPH 4 | ALTN 1 | ALTN 2 | ALTN 3 | VEIN | ANGLE TO CORE ANG | VEIN ORI | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 163.5 | 165.4 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | 163.5 bedding 040, 14W |
| 165.4 | 167.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | As,V,1% | | | | ch/bt,spt | | | Qs | | | Sulf qv 024 86E, 335 84E |
| 167.0 | 168.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | Sp,V,tre | | | | ch/bt,spt | | | | | | |
| 168.0 | 168.5 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | Ga,V,tre | | | | ch/bt,spt | | | | | | |
| 168.5 | 169.8 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | ch/bt,spt | | | | | | |
| 169.8 | 170.8 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | As,V,2% | | | | Se,VM | | | Qs,3% | | | |
| 170.8 | 171.8 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | Sp,tre | | | | Se,VM | | | Qs,3% | | | |
| 171.8 | 172.8 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | Ga | | | | Se,VM | | | Qs,3% | | | |
| 172.8 | 174.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | Qs/Bq,1% | | | |
| 174.0 | 175.0 | Ssg | Rbf | dk gy | | mg | | | | | | | | | | | +C,1% | | | Becoming more massive, less banding. |
| 175.0 | 176.5 | Ssg | | dk gy | | mg | | | | | | | | | | | Qs,1% | | | Rare min qv massive greywacke |
| 176.5 | 177.0 | Ssg | | dk gy | | mg | | | | | | | | | | | Cb,tr | | | Rare cb microfract |
| 177.0 | 180.5 | Ssg | | dk gy | | mg | | | | | | | | | | | Cb,tr | | | |
| 180.5 | 181.2 | Ssg | | dk gy | | mg | | | | As,V,1% | Sph,V | | | Se,VM | | | Qs,2% | | | 180.5 - 181.2 minor min'qv |
| 181.2 | 185.0 | Ssg | | dk gy | | mg | | | | | | | | | | | | | | Massive greywacke |
| 185.0 | 186.0 | Ssg | | dk gy | | mg | | | | | | | | | | | Qs | | | 185.8 qtz - sulph v 1cm |
| 186.0 | 189.3 | Ssg | | dk gy | | mg | | | | | | | | | | | | | | |
| 189.3 | 190.0 | aSsg | | dk gy | | mg | | | | Py,D,tr | | | | | | | 1% | | | 189.3 sericitic, bleached |
| 190.0 | 191.7 | aSsg | | dk gy | | mg | | | | | | | | Se | | | | | | |
| 191.7 | 193.8 | aSsg | | dk gy | | m-fg | | | | As,V,tre | Sph,V | Ga,V | Ga,V | | | | Qsx3,4% | | | 3 x sulfitic qv's to 1cm |
| 193.8 | 196.8 | Ssg | | dk gy | | m-fg | | | | | | | | | | | | | | End of massive spotted greywacke |
| 196.8 | 199.1 | Sst/Ssd | | dk gy | | m-fg | | | | | | | | Ch,F | | | Qs,tr | | | |
| 199.1 | 200.0 | Sst/Ssd | | dk gy | | m-fg | | | | | | | | | | | | | | |
| 200.0 | 202.2 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | Ssd beds 200.5 - 200.65, 202.1 - 202.2 (dk cherty vf ssd) |
| 202.2 | 203.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | Bq,tr | | | 202.5-202.8 pale (sed) beds & x bedded pale ssd |
| 203.0 | 206.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | |
| 206.0 | 212.5 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | 206.0 bedding - 035 18 W |
| 212.5 | 212.8 | QuV | Rbf | lt gy | | m-fg | | | | As,V,tre | | | | | | | Bq,80% | | | 30cm bqv bedding parallel! 040 12 W |
| 212.8 | 212.9 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | Sd bed at 212.8 - 212.9 |
| 212.9 | 219.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | |
| 219.0 | 219.5 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | Crs spotting. Bedding 215.0 045 13W |
| 219.5 | 220.0 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | | | | |
| 220.0 | 221.3 | Sst/Ssd | Rbf | gy | | m-fg | | | | | | | | | | | | | | |
| 221.3 | 222.5 | Sst/Ssd | Rbo | lt ygy | | m-fg | | | | | | | | | | | Bq,Cb,1% | | | 221.8 4cm well-bed Slt/Snd St |
| 222.5 | 225.0 | Sst/Ssd | Rbf | gy | | m-fg | | | | | | | | | | | | | | |
| 225.0 | 226.5 | Sst/Ssd | Rbf | lt gy | | m-fg | | | | | | | | | | | Cb,1% | | | Well bedded ssf/ssd |
| 226.5 | 229.8 | Ssg | Rbo | ygy | | mg | | | | | | | | | | | Cb,1% | | | Massive greywacke increasing fracturing |
| 229.8 | 231.8 | Xf/Sst | Rbo | lt gy | | m-fg | | | | | | | | | | | Cb,4% | | | Fault cb cement bx party ox, 090 62.5 |
| 231.8 | 233.0 | Ssg/Sst | Rbo | lt gy | | m-fg | | | | | | | | | | | | | | Fractured core |
| 233.0 | 233.4 | Ssg/Sst | Rbo | lt gy | | m-fg | | | | | | | | | | | Cb,1% | | | |
| 233.4 | 234.0 | Xf/Sst | Rbo | lt gy | | m-fg | | | | | | | | | | | Cb,4% | | | Smaller fault. End of fracture zone. |
| 234.0 | 241.5 | Sst/Ssd | Rbo | gy | | m-fg | | | | | | | | | | | | | | |
| 241.5 | 242.0 | Sst/Ssd | Rbf | gy | | m-fg | | | | | | | | | | | | | | Bedding 241.5 050 12 W |
| 242.0 | 246.0 | Sst/Ssd | Rbf | gy | | m-fg | | | | | | | | | | | | | | |
| 246.0 | 250.5 | Sst/Ssd | Rbf | gy | | m-fg | | | | | | | | | | | | | | Bed 048 13 W. 246.0, 2 x 0.5cm min qv's. EOH. |

| DEPTH FROM | DEPTH TO | SAMPLE NUMBER | PX NO | LAB JOB NO | Au (ppm) | Ppt 1 (ppm) | Ppt 2 (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | As (ppm) | Ag (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 1.00 | 202116 | 0746 | D12827 | 0.011 | | | 9 | 26 | 111 | 6.9 | |
| 1.00 | 2.00 | 202117 | 0746 | D12827 | 0.013 | | | 14 | 11 | 63 | 2.7 | |
| 2.00 | 3.00 | 202118 | 0746 | D12827 | <0.008 | | | 12 | 13 | 78 | 3.0 | |
| 3.00 | 4.00 | 202119 | 0746 | D12827 | <0.008 | | | 9 | 9 | 50 | 15.1 | |

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