

APPENDIX 3

Gowrie Park Graphic Logs

(See Digital File EL432006_200803_05_Appendix3.pdf)

| | 0.5 | 2 | 8 | 32 | MAX | veins | alteration | facies description | alteration & veins |
|-----|-----|---|---|----|-----|-------|----------------|---|--|
| 2 | ✓ | ✓ | | | | | Se | 0.5-6m light green/yellow, moderately oxidised qtz-phyc + green sericitised fsp + phyc | |
| 4 | ✓ | ✓ | | | | | " | porphyritic volcanic cl. welded + ffl | |
| 6 | ✓ | ✓ | | | | | qtz | 5-6m - dark brown, massive | Partial oxidation to 20.4m |
| 8 | ✓ | ✓ | | | | | " | 40% strongly sericitised (matrix) | moderately sericitised altered |
| 10 | ✓ | ✓ | | | | | " | qtz fsp + phyc volcanic | with stronger selective sericitic alteration of fsp + phyc phenocrysts. |
| 12 | ✓ | ✓ | | | | | qtz | ~10% qtz phenocrysts | Lacks definitive cleavage development, suggestive of a more massive or welded unit. |
| 14 | ✓ | ✓ | | | | | qtz-se | selectively se-altered fsp + phyc in fine grained matrix, minor lithology | |
| 16 | ✓ | ✓ | | | | | qtz | extremely little foliation, predominantly massive, irregular dispersal of phenocrysts, no regular alignment. | |
| 18 | ✓ | ✓ | | | | | qtz-ch. | Qtz-phenocrysts upto 1cm, average 3-4mm. Sericitised feldspar phenocrysts, smaller, 2-4mm. | qtz-py-gal-he veins. |
| 20 | ✓ | ✓ | | | | | qtz-he. | intensely foliated - broken fault shear zone. | qtz-py-sph. |
| 22 | ✓ | ✓ | | | | | " | | 26.5-29m - string zone, py-sph-gal-qtz veins. |
| 24 | ✓ | ✓ | | | | | " | | |
| 26 | ✓ | ✓ | | | | | qtz-py-gal-he | | |
| 28 | ✓ | ✓ | | | | | qtz-py-sph | | |
| 30 | ✓ | ✓ | | | | | qtz | | |
| 32 | ✓ | ✓ | | | | | se | | |
| 34 | ✓ | ✓ | | | | | qtz-py-gal-sph | | |
| 36 | ✓ | ✓ | | | | | qtz-se | | |
| 38 | ✓ | ✓ | | | | | " | | |
| 40 | ✓ | ✓ | | | | | py | <u>Mineralised Zone</u> 40.0m - 61.0m. | 34.9. anastomosing sph-py-gal stringer zone in qtz-se matrix partially brecciated, infill cement |
| 42 | ✓ | ✓ | | | | | py | intensely se-py-qtz altered lithology as above. | multiple intense zones |
| 44 | ✓ | ✓ | | | | | qtz-py | | qtz-se-py alteration over 2m in length. |
| 46 | ✓ | ✓ | | | | | py | | |
| 48 | ✓ | ✓ | | | | | qtz-py | | |
| 50 | ✓ | ✓ | | | | | qtz-py | | |
| 52 | ✓ | ✓ | | | | | py | | |
| 54 | ✓ | ✓ | | | | | qtz | | |
| 56 | ✓ | ✓ | | | | | py | | |
| 58 | ✓ | ✓ | | | | | py | | |
| 60 | ✓ | ✓ | | | | | qtz-spl. | | |
| 62 | ✓ | ✓ | | | | | se | 61.0m - 81.0m | |
| 64 | ✓ | ✓ | | | | | se | Dark brown - dominantly se-altered abundant large qtz phenocrysts | 1-2% dispersed hematite trace disc py, gal, sph |
| 66 | ✓ | ✓ | | | | | se | in strongly se-altered matrix (puniceous?) 40% qtz phenocrysts | |
| 68 | ✓ | ✓ | | | | | se | Possibly welded ignimbrite. | |
| 70 | ✓ | ✓ | | | | | " | puniceous sericitic matrix define foliation. | |
| 72 | ✓ | ✓ | | | | | " | | |
| 74 | ✓ | ✓ | | | | | " | | |
| 76 | ✓ | ✓ | | | | | " | | |
| 78 | ✓ | ✓ | | | | | " | | |
| 80 | ✓ | ✓ | | | | | " | | |
| 82 | ✓ | ✓ | | | | | " | | |
| 84 | ✓ | ✓ | | | | | qtz-py | 81.0-91.0 - pinkish brown, sericitic altered siliceous volcaniclastic sandstone. | Weakly defined schistosity predominantly se- with patchy zones of dark grey silicification. |
| 86 | ✓ | ✓ | | | | | qtz-se | sparse qtz phenocrysts | |
| 88 | ✓ | ✓ | | | | | se | feldspar + lithic (glassy fragments) upto 1cm. | |
| 90 | ✓ | ✓ | | | | | qtz-se | average 3-4mm. | |
| 92 | ✓ | ✓ | | | | | se | | |
| 94 | ✓ | ✓ | | | | | " | | |
| 96 | ✓ | ✓ | | | | | " | | |
| 98 | ✓ | ✓ | | | | | " | 91.0 - 107.10m | |
| 100 | ✓ | ✓ | | | | | " | Light, pale brown/peel fine grained volcaniclastic sandstone, much smaller qtz phenocrysts in sericitic feldspar + clast with matrix. | |
| 102 | ✓ | ✓ | | | | | " | | |
| 104 | ✓ | ✓ | | | | | " | | |
| 106 | ✓ | ✓ | | | | | " | | |

107.1m (EOL)

| | MARK | veins | alteration | facies description | alteration & veins |
|-----|------|-------|------------|---|--|
| 106 | 0.5 | | | | |
| 108 | 2 | | Ksp-Bt-se | 108-114m - coarse, mononict, near jigsaw fit. clast | |
| 110 | 8 | | " | Supported breccia, strong qtz-ksp-se:py altered | qtz-ksp-se+py altered. |
| 112 | 32 | | " | ? auto-brecciated felsic volc. | |
| 114 | | | ch | 114-120m. Dark green/brown coarse, lithic, crystal-rich | strong pervasive chlorite altered, lesser sericite alteration. |
| 116 | | | ch | Volcaniclastic sandstone containing coarse lithic fragments to 3cm. | Trace - minor sulfides disseminated + veined. |
| 118 | | | " | 120m-126m. med brown/cream strong foliated qtz-sericite-lithic schist | dis py no 5% |
| 120 | | | " | | |
| 122 | | | " | | |
| 124 | | | " | | |
| 126 | | | " | 126-147. mixed coarse + fine grained lithic + crystal buff. ss | selective se-altered clasts strong ch alteration of matrix. |
| 128 | | | " | | |
| 130 | | | " | | |
| 132 | | | " | | |
| 134 | | | ch-se | | |
| 136 | | | " | | |
| 138 | | | " | | |
| 140 | | | " | | |
| 142 | | | " | | |
| 144 | | | " | | |
| 146 | | | " | | brecciated vein qtz. |
| 148 | | | " | | |
| 150 | | | " | 147-201.0m | |
| 152 | | | " | Medium green-pinkish red mottled chlorite+he-(ksp)-se altered polymictic, moderately schistose lithic crystal sandstone - strongly qtz-phyrit | Predominately chlorite-hematite altered, with lesser patchy sericite. Ksp-Hematite mottling. |
| 154 | | | " | 20-30% qtz sils | Trace disseminated pyrite. |
| 156 | | | se | | |
| 158 | | | " | | |
| 160 | | | " | | |
| 162 | | | " | | |
| 164 | | | " | | |
| 166 | | | " | | dis gal. |
| 168 | | | " | | |
| 170 | | | " | | |
| 172 | | | " | | |
| 174 | | | " | | |
| 176 | | | " | | |
| 178 | | | ch-he | | |
| 180 | | | " | | |
| 182 | | | " | | |
| 184 | | | " | | |
| 186 | | | " | | |
| 188 | | | " | | |
| 190 | | | Ksp? | | |
| 192 | | | ch-he | | pale pink/cream potassic K-sp alteration + locally strong se alteration. |
| 194 | | | " | | |
| 196 | | | " | | |
| 198 | | | " | | |
| 200 | | | " | | |
| 202 | | | " | 201.0-203.5m | |
| 204 | | | wk qtz-se | Med grey/green, wk siliceous/cherty volcaniclastic siltstone | Trace dis py + py-ch stringer. |
| 206 | | | " | 203.5-206.4 med green, mod se-alt polymict lithic vein qtz volcaniclastic sandstone | |
| 208 | | | " | 206.4-217.5m: intermittent light to dark grey, fine grained thinly bedded siliceous siltstone interbedded with minor coarse qtz-xtal + lithic-rich sandstone beds to 5cm. | Trace qtz-ch-py + diss py. |
| 210 | | | wk qtz-se | | |
| 212 | | | qtz-se | | |

EL 43/2006 - Gowrie Park Cathana West Prospect
DD86CC13

Section:
10-01-2008

Drill Hole: DD86CC13
Page 3 of 3

| Elevation | Scale | | | | veins | alteration | facies description | alteration & veins |
|--------------|--------------------------------|---|---|----|----------|------------|--------------------|--------------------------------------|
| | 0.5 | 2 | 8 | 32 | | | | |
| 214 | [Hatched area from 214 to 228] | | | | | qz-si | as above | qz-cb-py vein. trace disc pyrite. |
| 216 | | | | | qz-cb-py | qz-si | | |
| 218 | | | | | | " | | |
| 220 | | | | | | qz | | |
| 222 | | | | | | " | | |
| 224 | | | | | | " | | |
| 226 | | | | | | " | | |
| 228 | | " | | | | | | |
| 227.5 EOM | | | | | | | | |

| | veins | alteration | facies description | alteration & veins |
|-----|-------|------------|------------------------------------|------------------------|
| 0 | | | | |
| 2 | | | 0-6m. Precollar | |
| 4 | | | No core. | |
| 6 | | | | |
| 8 | | se-gtz | 6-17m. light green/yellow. | |
| 10 | | " | mod oxidised, strong se- | |
| 12 | | " | altered gtz-feldspar phytic | |
| 14 | | " | schist strongly schistose | |
| 16 | | " | " | |
| 18 | | " | " | |
| 20 | | he-se | Dark black hematitic oxidised | |
| 22 | | " | 17-40m. light pale, pink/cream | |
| 24 | | " | fine grained weakly siliceous | |
| 26 | | " | only very faintly schistose, | |
| 28 | | " | mod brittle/ductile deformed | |
| 30 | | " | tuffaceous siltstone. | |
| 32 | | " | moderately brecciated | |
| 34 | | " | only very subtle se-alled. | |
| 36 | | " | predominantly he-altered | |
| 38 | | " | disseminated & within | |
| 40 | | " | min to S ₂ cleavage. | |
| 42 | | " | Fault zone 40-40.5m. | |
| 44 | | se | | |
| 46 | | " | 40.5-57.0m. | |
| 48 | | " | pale green/cream sericite altered | (similar to above) |
| 50 | | " | fine grained felsic tuffaceous | Trace disseminated py. |
| 52 | | " | siltstone but much more | |
| 54 | | " | schistose | |
| 56 | | " | | |
| 58 | | se | | |
| 60 | | " | 57.0-70.4 | |
| 62 | | " | pale green/brown. sericite altered | v fine grain trace |
| 64 | | " | gtz-fsp phytic volcaniclastic | disseminated py |
| 66 | | " | sandstone | |
| 68 | | " | increase in appat schistosity | |
| 70 | | " | down hole; within unit. | |
| 72 | | ch-he | 70.4-79.0m. | |
| 74 | | " | Median green/grey, med. grain | |
| 76 | | " | gtz-fsp phytic | |
| 78 | | " | volcaniclastic sandstone. | |
| 80 | | " | he-chlorite altered. | |
| 82 | | ch-si | 79.0-86.2m. | |
| 84 | | " | Fine grained, ch-si altered | |
| 86 | | " | volcaniclastic siltstone. | |
| 88 | | " | pale grey/green, strongly | |
| 90 | | ch | schistose, local zone of | |
| 92 | | " | dark grey siliceous alteration | |
| 94 | | " | 86.2-88m. | |
| 96 | | " | pink/cream. he-altered | |
| 98 | | " | med grained felsic volc. | |
| 100 | | " | strong hematite veining. | |
| 102 | | " | 98-109 - dark green | |
| 104 | | " | mod chlorite altered mod | pyrite increase to 2% |
| 106 | | " | foliated fine to med | down hole. |
| | | " | grained lithic-rich volcanic | in fine disseminated |
| | | " | sandstone & interbedded lith. | diffuse veinlets |

11-01-2008

| | 0.5 | 2 | 8 | 32 | max | veins | alteration | facies description | alteration & veins |
|-----|-----|---|---|----|-----|-------|------------|----------------------------------|---------------------------|
| 106 | | | | | | | | | |
| 108 | | | | | | | ck | 109-124 km | |
| 110 | | | | | | | ck | pale brown/green, weak se- | |
| 112 | | | | | | | se-ke | we altered med-cse grained | |
| 114 | | | | | | | " | qtz-phyric felsic volcanic | |
| 116 | | | | | | | " | sandstone. | |
| 118 | | | | | | | " | qtz-eye fragments wrapped in | upto 5% py in stringers |
| 120 | | | | | | | " | se-altered, anastomosing | + blubs. |
| 122 | | | | | | | " | foliation | |
| 124 | | | | | | | " | moderately foliated. | |
| 126 | | | | | | | | 124.6-127 - pale yellow/orange | |
| 128 | | | | | | | | fin. grained, pale feldspar | |
| 130 | | | | | | | | phenocrysts + dark mafic | |
| 132 | | | | | | | | phenocrysts in light | |
| 134 | | | | | | | | yellow/green matrix. | |
| 136 | | | | | | | | Absence of any qtz. | |
| 138 | | | | | | | | Possibly thin intermediate | |
| 140 | | | | | | | | to mafic dyke. | |
| 142 | | | | | | | | 127-132 | |
| 144 | | | | | | | | med-cse grained sericitic | |
| 146 | | | | | | | | altered volcaniclastic | |
| 148 | | | | | | | | sandstone. | |
| 150 | | | | | | | se | 148-153.8m | |
| 152 | | | | | | | se | Med green-yellow/red cse grained | |
| 154 | | | | | | | se | qtz-feldspar phyric sericitic | |
| 156 | | | | | | | se | altered felsic volcaniclastic | |
| 158 | | | | | | | he-si | sandstone. | |
| 160 | | | | | | | he-si | 158.8-166.7 | |
| 162 | | | | | | | " | Dark red/purple fine to med | |
| 164 | | | | | | | he | grained hematitic felsic | upto 10% py associated |
| 166 | | | | | | | " | volcaniclastic sandstone. | with silicification |
| 168 | | | | | | | " | | from 159.8m-161.2m. |
| 170 | | | | | | py | he-se | 166.7-168.1 - Semi massive | |
| 172 | | | | | | | " | pyrite zone | |
| 174 | | | | | | | " | 168.1-185.7. | |
| 176 | | | | | | | " | medium purple/red hematitic | |
| 178 | | | | | | | " | medium grained/gritly diffuse | upto 2% pyrite throughout |
| 180 | | | | | | | " | he-se altered massive | within elongated blubs & |
| 182 | | | | | | | " | qtz-litic volcaniclastic | vesicles |
| 184 | | | | | | | " | sandstone. lentic fragments | |
| 186 | | | | | | | " | to 1cm | |
| 188 | | | | | | | " | | |
| 190 | | | | | | | " | | |
| 192 | | | | | | | " | | |
| 194 | | | | | | | " | | |
| 196 | | | | | | | " | 195.7-204.4 | |
| 198 | | | | | | | | cse-grained qtz phyric | |
| 200 | | | | | | | | volcaniclastic sandstone. shaly | |
| 202 | | | | | | | | appearance due to | |
| 204 | | | | | | | | qtz planes to 4mm. | |
| 206 | | | | | | | | 204.4-207.2. | |
| 208 | | | | | | | | Fault | |
| 210 | | | | | | | se | 207.2-207.7 - andesitic dyke. | |
| 212 | | | | | | | so | light yellow green, weakly | |
| | | | | | | | | vesicular, amygdale filled | |
| | | | | | | | | with chlorite-carbonate. | |

| | 0.5 | 2 | 8 | 32 | max | veins | alteration |
|-----|-----|---|---|----|-----|---------|------------|
| 212 | | | | | | | |
| 214 | | | | | | py 3-5% | Se |
| 216 | | | | | | " | " |
| 218 | | | | | | " | " |
| 220 | | | | | | py 3% | " |
| 222 | | | | | | " | " |
| 224 | | | | | | " | " |
| 226 | | | | | | " | " |
| 228 | | | | | | " | Se |
| 230 | | | | | | py | " |
| 232 | | | | | | py 10% | " |
| 234 | | | | | | py 11% | " |
| 236 | | | | | | " | " |
| 238 | | | | | | " | " |
| 240 | | | | | | py | " |
| 242 | | | | | | py 3-5% | " |
| 244 | | | | | | py | " |
| 246 | | | | | | py 1% | " |
| 248 | | | | | | " | " |
| 250 | | | | | | " | " |
| 252 | | | | | | " | " |
| 254 | | | | | | " | se-ke |
| 256 | | | | | | " | se-ke |
| 258 | | | | | | " | " |
| 260 | | | | | | py 3% | |
| 262 | | | | | | | |
| 264 | | | | | | | Se |
| 266 | | | | | | | Se |
| 268 | | | | | | | " |
| 270 | | | | | | | " |
| 272 | | | | | | | " |
| 274 | | | | | | | " |
| 276 | | | | | | | " |
| 278 | | | | | | | " |
| 280 | | | | | | | |
| 282 | | | | | | | |
| 284 | | | | | | | |
| 286 | | | | | | | |
| 288 | | | | | | | |
| 290 | | | | | | | |
| 292 | | | | | | | |
| 294 | | | | | | | |

facies description

alteration & veins

207.7 - 264.
light pale yellow/green.
fine grained
qtz-fspara phytic
volcanic Qtz phenocryst
upto 3mm.

pyrite occurs
as deformed blebs
1% disseminated
upto 10% in deformed
stringer zone at
231m.

264 - 265.5 fault zone.

265.5 - 279
pale light pink/gray
med grained qtz-phytic
volcanic. (felsic lava?)

279 - 295 on
cream pale green fine-med
grained feldspar phytic
volcanic.

chlorite-py veins.