

| BH NO.      | Colluvium (m) | Karoo, or transported/ reworked (m) | Chert Residuum/ Weathered Chert |                       | Dolomite Residuum (m) | Dolomite Bedrock | OWL* (m) | Risk Characterisation |                    |                      |                    |
|-------------|---------------|-------------------------------------|---------------------------------|-----------------------|-----------------------|------------------|----------|-----------------------|--------------------|----------------------|--------------------|
|             |               |                                     | Fines subordinate (m)           | Fines predominant (m) |                       |                  |          | Ingress Water         |                    | Groundwater Drawdown |                    |
|             |               |                                     |                                 |                       |                       |                  |          | Doline Formation      | Sinkhole Formation | Doline Formation     | Sinkhole Formation |
| 3461 (1490) | -             | 0-60                                | -                               | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3462 (1490) | -             | 0-25                                | 25-60                           | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3463 (1488) | 0-2           | 2-60                                | -                               | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3464 (1488) | 0-3           | 3-6                                 | 6-60 ?                          | -                     | -                     | > 60             | DRY      | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3465 (1487) | 0-1           | -                                   | 1-60 ?                          | -                     | -                     | > 60             | DRY      | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3466 (1487) | 0-3           | 3-29                                | 29-60 ?                         | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3467 (1486) | 0-6           | 6-46                                | 46-60 ?                         | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3468 (1486) | 0-1           | 1-19                                | 19-60 ?                         | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3469 (1485) | 0-1           | -                                   | 1-60 ?                          | -                     | -                     | > 60             | DRY      | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3470 (1484) | 0-1           | 1-25                                | 25-60 ?                         | -                     | -                     | > 60             | DRY      | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |

A = Andesite, All = alluvium BR = Black Reef, Dlr = Dolerite, I = Intrusive, . K = Karoo, NSR = No sample return, SR = Sample return, S = Slate

**TABLE 1: RISK CHARACTERISATION OF BOREHOLE DATA: IRENE EXTENSION 70**

Vgi4063t Irene x70

\* According to Report GH3502, the site is located in the Fountains East Dolomite Sub-Compartment where groundwater levels average 1 380 m amsl, i.e. typically in excess of 100 m below ground surface

| BH NO.                       | Colluvium (m) | Karoo, or transported/ reworked (m) | Chert Residuuum/ Weathered Chert |                       | Dolomite Residuuum (m) | Dolomite Bedrock | OWL * (m) | Risk Characterisation |                    |                      |                    |
|------------------------------|---------------|-------------------------------------|----------------------------------|-----------------------|------------------------|------------------|-----------|-----------------------|--------------------|----------------------|--------------------|
|                              |               |                                     | Fines subordinate (m)            | Fines predominant (m) |                        |                  |           | Ingress Water         |                    | Groundwater Drawdown |                    |
|                              |               |                                     |                                  |                       |                        |                  |           | Doline Formation      | Sinkhole Formation | Doline Formation     | Sinkhole Formation |
| 3613 (1486)                  | -             | -                                   | 0-60                             | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3614 (1486)                  | 0-2           | -                                   | 2-60                             | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3615 (1486)                  | -             | -                                   | 0-60                             | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3616 (1487)                  | 0-8           | 8-22                                | 22-60                            | -                     | -                      | > 60             | DRY       | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| 3617 (1488)                  | 0-12          | 12-60                               | -                                | -                     | -                      | > 60             | DRY       | LOW-MEDIUM            | LOW-MEDIUM         | LOW                  | LOW                |
| BOREHOLES PREVIOUSLY DRILLED |               |                                     |                                  |                       |                        |                  |           |                       |                    |                      |                    |
| 1117                         | 0-1           | -                                   | 1-60                             | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 1924                         | 0-1           | -                                   | 1-60                             | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 2115                         | -             | -                                   | -                                | -                     | 0-2                    | 2                | DRY       | HIGH                  | HIGH               | LOW                  | LOW                |
| 2530                         | -             | 0-10                                | 10-60                            | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |
| 3026                         | -             | 0-12                                | 12-60                            | -                     | -                      | > 60             | DRY       | MEDIUM                | MEDIUM             | LOW                  | LOW                |

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**TABLE 2: RISK CHARACTERISATION OF BOREHOLE DATA: IRENE EXTENSION 70**

Vgi4063t Irene x70

\* According to Report GH3502, the site is located in the Fountains East Dolomite Sub-Compartment where groundwater levels average 1 380 m amsl, i.e. typically in excess of 100 m below ground surface