



SEL26/2005

Annual Report year 2

July 2008

APPENDIX 4

Drill Logs



## Hole ID: Bangor

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing# | RL(m)# | Azimuth  | Survey |
|---------|-------|----------------------|-----------|--------|----------|--------|
| Bangor  | GDA94 | 508,572              | 5,440,427 | 204    | Vertical | No     |

<sup>#</sup>GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 26/05/2008 | 27/05/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 252.2  | 03/06/2008 | 09/06/2008  | Gerald Spalding Drilling |

| Data Set | Prospect   | Hole ID | m From | mTo | Rock 1 | Rock 2 | Rock 1_Qual | Rock 2_Qual | Rock Colour | Regolith | Reg_Qual | Shear | Sulph+ Ore_% | Sulph + Ore_Type | Vn_Type | Vn_% | Vn_Qual | Int_Alt_Type | Alt_Qual | Description  |
|----------|------------|---------|--------|-----|--------|--------|-------------|-------------|-------------|----------|----------|-------|--------------|------------------|---------|------|---------|--------------|----------|--|
| KUTH     | SEL26/2005 | Bangor  | 0      | 3   | MST    | SQ     | SQ          | SQ          | A/B         | SAPRK    | -        | -     | -            | -                | -       | -    | -       | -            | -        | Finely laminated sericitic quartz silty sandstones (bedding thickness interpreted to be mm scale) and siltstone with minor black carbonaceous shale. |
| KUTH     | SEL26/2005 | Bangor  | 3      | 6   | MST    | SQ     | SQ          | SQ          | A/B         | SAPRK    | -        | -     | -            | -                | -       | -    | -       | -            | -        | As above with increasing proportion of clay and a reduction in Fe staining.  |
| KUTH     | SEL26/2005 | Bangor  | 6      | 18  | MST    | SQ     | SQ          | SQ          | A/B/D       | SAPRK    | -        | -     | -            | -                | -       | -    | -       | -            | -        | Black carbonaceous shaly siltstone becoming equal in proportion to finely laminated sericitic quartz silty sandstone with Fe staining common.        |
| KUTH     | SEL26/2005 | Bangor  | 18     | 24  | MST    | SQ     | ST/SBST/SB  | SQ          | D/A         | FRESH    | -        | -     | <2           | PY               | -       | -    | -       | -            | -        | Black carbonaceous shaley siltstone dominant with subordinate grey quartz silty sandstone. Minor pyrite.   |
| KUTH     | SEL26/2005 | Bangor  | 24     | 30  | MST    | SQ     | ST/SBST/SB  | SQ          | D           | FRESH    | -        | -     | <2           | PY               | -       | -    | -       | -            | -        | As above with increasing proportion of black shaley siltstone.   |
| KUTH     | SEL26/2005 | Bangor  | 30     | 36  | MST    | SQ     | ST/SBST/SB  | SQ          | A/D         | FRESH    | -        | -     | -            | -                | -       | -    | -       | -            | -        | Grey quartz silty sandstone with finely laminated black carbonaceous siltstone.  |
| KUTH     | SEL26/2005 | Bangor  | 36     | 102 | MST    | SQ     | ST/SBST/SB  | SQ          | A           | FRESH    | -        | -     | <2           | PY               | -       | -    | -       | -            | -        | Black carbonaceous shaley siltstone with minor disseminated pyrite. Occasional/rare lenses of grey quartz siltstone subordinate to the black shale.  |



## Hole ID: Ben Lomond

### Hole Summary:

| Hole ID    | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|------------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Ben Lomond | WGS84 | 546,613              | 5,402,059             | 695                | Vertical | Yes    |

<sup>#</sup>GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 126    | 17/12/2007 | 18/12/2007  | Gerald Spalding Drilling |
| HQ core | 126      | 276.1  | 09/01/2008 | 17/01/2008  | Gerald Spalding Drilling |

| DataSet        | Prospect    | Hole_ID    | mFrom | mTo   | Formation                                      | Rock1<br>Z | Rock1<br>V | Rock1<br>Qual | Rock2<br>Qual | Colour | Regolith | Reg.<br>Qual | Shear | Sulph<br>+Ore<br>% | Sulph+<br>Ore<br>Type | Vn_<br>Type | Vn_<br>% | Vn_<br>Qual | Int. | Alt.<br>Type | Alt.<br>Qual | Description  |
|----------------|-------------|------------|-------|-------|--|------------|------------|---------------|---------------|--------|----------|--------------|-------|--------------------|-----------------------|-------------|----------|-------------|------|--------------|--------------|--|
| KUTH           | SEL 26/2005 | Ben Lomond | 0     | 3     | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT            |               | B      | SAPRK    |              |       |                    |                       | Q           | 5%       |             |      | SR           | U            | Mathinna sediments, mildly foliated with sericitic sheen. Lt brown coloured siltstone. Qz xls present from proximal veining.   |
| KUTH           | SEL 26/2005 | Ben Lomond | 3     | 6     | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT            |               | B/W    | SAPRK    |              |       |                    |                       | Q           | 50%      |             |      | SR           | U            | Mathinna sediments, mildly foliated with sericitic sheen. Lt brown coloured siltstone. Interval composed of approx. 50% qz due to veining  |
| KUTH           | SEL 26/2005 | Ben Lomond | 6     | 9     | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT            |               | B/A/W  | SAPRK    |              |       | <1%                | PY                    | Q           | 40%      |             |      | SR           | U            | Random assortment of brown-grey-dark grey mathinna silstones Sericitic sheen obvious in this interval, with some micaceous visible without hand lens. Trace PY disseminated. Qz a uniformly milky colour, fragmenting into sharp small pieces  |
| KUTH           | SEL 26/2005 | Ben Lomond | 9     | 12    | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT/LA         |               | A2/B   | SAPRK    |              |       |                    |                       | Q           | 3%       | minor       |      | SR           | U            | Dominantly dark grey mathinna siltstone, uniformly fracturing in platy manner, into small pieces. Finer grained siltstone than the brown ST in previous intervals. Less SR than previous intervals, although sheen still prevalent.  |
| KUTH           | SEL 26/2005 | Ben Lomond | 12    | 15    | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT/LA         |               | A2/B/W | SAPRK    |              |       |                    |                       | Q           | 20%      |             |      | SR           | U            | Interval composed of equal mix of the brown ST, and dark grey ST (both foliated). Qz uniformly milky colour  |
| KUTH           | SEL 26/2005 | Ben Lomond | 15    | 18    | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | FT/LA         |               | A2/B/W | SAPRK    |              |       |                    |                       | Q           | 20%      | minor       |      | SR           | U            | As above, with a greater abundance of the dark grey, finer grained siltstone.  |
| KUTH           | SEL 26/2005 | Ben Lomond | 18    | 30    | Sds - Mathinna quartzwacke turbidite sequences | OST        |            | LA            |               | A2     | FRESH    |              |       |                    |                       | Q           | 10%      |             |      | SR           | U            | Fresh dark grey mudstone displaying mild lamination in the bedding/lie uniform fracturing in a fine platy manner. No Qz or sulphides present   |
| KUTH           | SEL 26/2005 | Ben Lomond | 30    | 39    | Sds - Mathinna quartzwacke turbidite sequences | OST        |            | LA            |               | A2/R   | FRESH    |              |       |                    |                       | Q           | 10%      |             |      |              |              | AS above, with the inclusion of FeO stained fragments. Minor micaceous sheen visible on surfaces of laminations.   |
| KUTH           | SEL 26/2005 | Ben Lomond | 39    | 42    | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | LA            |               | A2     | FRESH    |              |       |                    |                       | Q           | 10%      |             |      |              |              | Fresh dark grey siltstone with minor qz veining  |
| KUTH           | SEL 26/2005 | Ben Lomond | 42    | 51    | Sds - Mathinna quartzwacke turbidite sequences | OST        |            | LA            |               | A2     | FRESH    |              |       |                    |                       | Q           | 1%       |             |      |              |              | As above   |
| KUTH           | SEL 26/2005 | Ben Lomond | 51    | 54    | Sds - Mathinna quartzwacke turbidite sequences | OST        | V          | LA            |               | A2/W   | FRESH    |              |       |                    |                       | Q           | 40%      |             |      |              |              | Standard siltstone with a large Qz vein - milky white fragment up to 1.5cm wide.   |
| KUTH           | SEL 26/2005 | Ben Lomond | 54    | 66    | Sds - Mathinna quartzwacke turbidite sequences | OST        |            | LA            |               | A      | FRESH    |              |       |                    |                       | Q           | 5%       |             |      |              |              | Grey siltstones with very micaceous sheen. Minor Qz veining  |
| KUTH           | SEL 26/2005 | Ben Lomond | 66    | 81    | Sds - Mathinna quartzwacke turbidite sequences | OSU        | OST        | LA            |               | A2     | FRESH    |              |       |                    |                       | Q           | 3%       |             |      |              |              | Dark grey mudstone and lighter siltstones. Very small fragments. Fractures in a very platy manner. Siltstones have a micaceous sheen   |
| KUTH           | SEL 26/2005 | Ben Lomond | 81    | 87    | Sds - Mathinna quartzwacke turbidite sequences | OST        |            | LA            |               | A      | FRESH    |              |       |                    |                       | Q           | 10       |             |      |              |              | Siltstone interval with very clean, milky qz veining within.   |
| KUTH           | SEL 26/2005 | Ben Lomond | 87    | 111   | Sds - Mathinna quartzwacke turbidite sequences | OSU        | OST        | LA            |               | A2/a   | FRESH    |              |       |                    |                       | Q           | 50%      |             |      |              |              | Dominantly dark grey mudstone, with minor lighter grey siltstone. Micaceous sheen becoming less obvious in the siltstones. No qz veining.  |
| KUTH           | SEL 26/2005 | Ben Lomond | 111   | 114   | Sds - Mathinna quartzwacke turbidite sequences | OSU        | Q          | LA            |               | A2/W   | FRESH    |              |       |                    |                       | Q           | 50       |             |      |              |              | Very large fragment of quartz present (takes up half of chip slot), may therefore unrepresentative of actual qz present in the interval. Milky wht in colour.  |
| KUTH           | SEL 26/2005 | Ben Lomond | 114   | 126   | Sds - Mathinna quartzwacke turbidite sequences | OST        | OSU        | LA            |               | A2/A   | FRESH    |              |       |                    |                       | Q           | 10       |             |      |              |              | Interbedded siltstones and mudstones   |
| End of RC hole |             |            |       |       |  |            |            |               |               |        |          |              |       |                    |                       |             |          |             |      |              |              |  |
| KUTH           | SEL 26/2005 | Ben Lomond | 126.1 | 128.7 | Sds - Mathinna quartzwacke turbidite sequences | OSU        |            | FT/BD         |               | D/A    | FRESH    |              | 25    |                    | PY                    | Q/B/Y       |          | 5           |      | AK           | U            | Moderately sheared mudstone, with slaty texture. Minor quartz carbonate ± pyrite. The carbonate veinlets found cross-cutting the larger quartz veins. Ankerite is found as an alteration mineral both within the veins, and between the laminations in the beds. a ^c 10, b=c 24'  |
| KUTH           | SEL 26/2005 | Ben Lomond | 128.7 | 129.1 | Sds - Mathinna quartzwacke turbidite sequences | OSU        |            | FT/BD         |               | D/A    | FRESH    |              | 25    |                    | PY/(CO/GL???)         | X/O/B       |          | 50          |      | SI           | V            | Same unit as above, but it has one very distinct 7mm wide sulphide-quartz-carbonate vein. See photos. The vein has very sharp/distinct edges, and silicification proximal to the vein. While pyrite is the most dominant sulphide, may be other sulphides present. Vn is dominantly quartz-70%, sulphides 20%, carbonate 10% |
| KUTH           | SEL 26/2005 | Ben Lomond | 129.1 | 130.2 | Sds - Mathinna quartzwacke turbidite sequences | OSU        |            | FT/BD         |               | A2/A   | FRESH    |              | 25    |                    |                       |             |          | 5           |      | AK           | U            | Minor ankerite present between the lie laminations   |



## Hole ID: Bluestone

### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Bluestone | GDA94 | 571,901              | 5,300,093             | 353                | Vertical | No     |

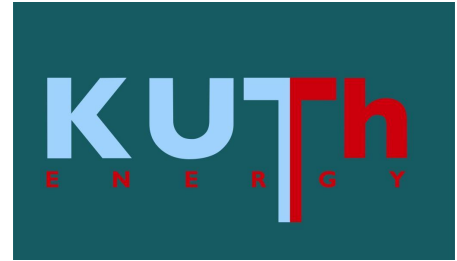
<sup>#</sup>GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 30/05/2008 | 02/06/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 252.2  | 12/06/2008 | 17/06/2008  | Gerald Spalding Drilling |

| DataSet | Prospect   | Hole_ID   | m Fro | mTo | Formation               | Rock 1 | Rock 2 | Rock 1_Qu | Rock2_Qu | Colour | Regolith | Reg_Qu | Sh ear | Sulph +Ore_ | Sulph+ Ore_Ty | Vn_ Typ | Vn_ % | Vn_ Qua | Int_A lt | Alt_ Type | Alt_ Q ual | Description   |
|---------|------------|-----------|-------|-----|-------------------------|--------|--------|-----------|----------|--------|----------|--------|--------|-------------|---------------|---------|-------|---------|----------|-----------|------------|---|
| KUTH    | SEL26/2005 | Bluestone | 0     | 3   | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | Fresh unaltered fine grained dolerite. Uniform in texture/colour  |
| KUTH    | SEL26/2005 | Bluestone | 3     | 6   | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 6     | 9   | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 9     | 12  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 12    | 15  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 15    | 18  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 18    | 21  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 21    | 24  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 24    | 27  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 27    | 30  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 30    | 33  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 33    | 36  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 36    | 39  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 39    | 42  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    | F      | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, very minor fe in association with the few 1-3mm thick carbonate ±  |
| KUTH    | SEL26/2005 | Bluestone | 42    | 45  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 45    | 48  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 48    | 51  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 51    | 54  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 54    | 57  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 57    | 60  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | B/Q     | 1     |         |          |           |            | Dolerite as above, with few 1-3mm thick carbonate ± quartz veins  |
| KUTH    | SEL26/2005 | Bluestone | 60    | 63  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | Q       | 1-2   |         |          |           |            | Fresh unaltered fine grained dolerite. Uniform in texture/colour. Minor quartz veining  |
| KUTH    | SEL26/2005 | Bluestone | 63    | 66  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | Fresh unaltered fine grained dolerite. Uniform in texture/colour.   |
| KUTH    | SEL26/2005 | Bluestone | 66    | 69  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 69    | 72  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 72    | 75  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               | Q       | 1-2   |         |          |           |            | Fresh unaltered fine grained dolerite. Uniform in texture/colour. Minor quartz veining  |
| KUTH    | SEL26/2005 | Bluestone | 75    | 78  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | Fresh unaltered dolerite. Very little, (if any in some intervals) quartz veining  |
| KUTH    | SEL26/2005 | Bluestone | 78    | 81  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 81    | 84  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 84    | 87  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 87    | 90  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 90    | 93  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 93    | 96  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 96    | 99  | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
| KUTH    | SEL26/2005 | Bluestone | 99    | 102 | Jdl - Jurassic Dolerite | JDD    |        | FG        |          | A2     | FRESH    |        | 0      |             |               |         |       |         |          |           |            | As above  |
|         |            |           |       |     | EOH RC                  |        |        |           |          |        |          |        |        |             |               |         |       |         |          |           |            |   |
|         |            |           |       |     |                         |        |        |           |          |        |          |        |        |             |               |         |       |         |          |           |            | Generally competent (Avg 2 breaks/M). Equal ratio of plagioclase to pyroxene. Pyx very light in colour. Includes several small Carbonate ± Qz veinlets, and 2 larger (1cm wide) multistage Cb veins with associated alteration as selvage, including low grade meta clays, minor chlorite, and FE staining. Veins usually white to green. Fractures associated with larger 2 veins, but not smaller veins |
| KUTH    | SEL26/2005 | Bluestone | 102   | 121 | Jdl - Jurassic Dolerite | JDD    |        | MG        |          | A1/A   | FRESH    |        |        |             |               | B/Q     | <5    | M       | 20       | CY/C      | V          | Interval characterised by a large vein that has developed over multiple stages of fluid throughflow. Approx 80° dip. Core is fractured along the vein, as multiple sheet like fractures. Phenocrysts of the pyx becoming fewer, with the plagioclase groundmass the dominant constituent. Veins very soft and clay rich within, with few subhedral calcite xls present                                    |
| KUTH    | SEL26/2005 | Bluestone | 121   | 123 | Jdl - Jurassic Dolerite | JDD    |        | MG        |          | A/A1   | FRESH    |        |        |             |               | B/C     | 20    | S       | 20       | CY/C      | V          | fresh unaltered, vein free dolerite. Most pyx phenocrysts medium grained, but often coarse grained (>5mm)   |
| KUTH    | SEL26/2005 | Bluestone | 123   | 124 | Jdl - Jurassic Dolerite | JDD    |        | MG/CG     |          | A1/A   | FRESH    |        |        |             |               |         |       |         |          |           |            | Dominantly FG phenocrysts of Pyx, with many MG phenocrysts. Very competent interval. One small qz vein with no associated alteration.   |
| KUTH    | SEL26/2005 | Bluestone | 124   | 127 | Jdl - Jurassic Dolerite | JDD    |        | FG/MG     |          | A      | FRESH    |        |        |             |               | Q       | <1%   |         |          |           |            | MG dolerite. Competent. Plagioclase > Pyroxene. Phenocrysts subhedral in form. Includes 1 steeply dipping unfractured orange/white quartz vein.   |
| KUTH    | SEL26/2005 | Bluestone | 127   | 130 | Jdl - Jurassic Dolerite | JDD    |        | MG        |          | A      | FRESH    |        |        |             |               | Q       | <1%   |         |          |           |            | Increased % pyroxene, with crystals euhedral- tabular to sometimes asicular. Light grey phenocrysts, with darker groundmass, giving the dolerite a spotty texture. Competent, with avg 2 fractures/M  |
| KUTH    | SEL26/2005 | Bluestone | 130   | 136 | Jdl - Jurassic Dolerite | JDD    |        | MG        |          | A/A1   | FRESH    |        |        |             |               | B/Q     | <2    |         |          |           |            | Interval dominated by a large khaki coloured carbonate vein. Approx 45° dip, and 2 smaller carb. Veinlets at end of interval. Cb vein appears zoned within, white to green in colour. Soft, white, with minor Fe halo up to adjacent to veinlets.   |
| KUTH    | SEL26/2005 | Bluestone | 136   | 136 | Jdl - Jurassic Dolerite | JDD    | R      | MG/CG     |          | A/K    | FRESH    |        |        |             |               | B       | 20    |         | 20       | CY/C      | V          | Competent, unaltered, vein free dolerite. Dominantly medium to coarse grained. Distinct light grey euhedral pyroxene tabular crystals. Generally equal Plagioclase to Pyroxene ratio. Very little Cb ± Qz veinlets. Right at beginning of interval 135.8-135.9m 45° dip band of fine grained dark mafics and fine bronze asicular pyx crystals.   |
| KUTH    | SEL26/2005 | Bluestone | 136   | 154 | Jdl - Jurassic Dolerite | JDD    |        | MG/CG     |          | A1/A   | FRESH    |        |        |             |               | B/Q     | <1    |         |          |           |            | Decreasing in grain size (still MG though). Increase in Pyroxene to Plagioclase ratio. Phenocrysts generally anhedral, giving core a mottled appearance, although becoming subhedral down hole. Generally vein free, except for one with 30° dip, with associated biotite selvage. Very competent   |
| KUTH    | SEL26/2005 | Bluestone | 154   | 161 | Jdl - Jurassic Dolerite | JDD    |        | MG        |          | A      | FRESH    |        |        |             |               | Q/B     | <1%   |         | 20       | B         | V          |   |

|      |            |           |     |     |                         |     |  |       |       |       |  |  |  |  |      |      |   |    |        |     |   |
|------|------------|-----------|-----|-----|-------------------------|-----|--|-------|-------|-------|--|--|--|--|------|------|---|----|--------|-----|---|
| KUTh | SEL26/2005 | Bluestone | 161 | 173 | Jdl - Jurassic Dolerite | JDD |  | MG/FR | A     | FRESH |  |  |  |  | B    | <1   | M | 30 | CY/C   | V   | Highly fractured MG dolerite, fractures are usually sub-horizontal to <45 °. Pyx>Plag, with phenocrysts generally becoming more euhedral towards end of interval. Very little veining and alteration, with the largest vein @171m. Soft white puggy CB vein, made up of a series of veinlets. Includes green chlorite and associated clays.   |
| KUTh | SEL26/2005 | Bluestone | 173 | 177 | Jdl - Jurassic Dolerite | JDD |  | MG-CG | A1/A2 | FRESH |  |  |  |  | Q    | 1-2% |   |    |        |     | Medium to at times Coarse grained competent dolerite. Euhedral light grey phenocrysts of pyx. Very minor veining, with 2 generations present. Light green to white qz rich vnlets found cutting hard orange veinlets. Interval darker than previous ones, with an increase in black vfg mafics in the groundmass.   |
| KUTh | SEL26/2005 | Bluestone | 177 | 180 | Jdl - Jurassic Dolerite | JDD |  | FG-MG | A/A2  | FRESH |  |  |  |  | Q/B  | <1%  |   |    |        |     | Fine to at times MG dolerite. Pyx phenocrysts generally anhedral. % of fine grained black mafics decreasing. 2 generations of veinlets, as above  |
| KUTh | SEL26/2005 | Bluestone | 180 | 183 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/G1  | FRESH |  |  |  |  | Q    | 2    |   |    |        |     | Pyx > Plag interval, often euhedral tabular crystals. Groundmass often light green, and pyx becoming bronze in colour. Some of the randomly orientated phenocrysts are up to 5mm long asicular xls. 3 small veinlets, all dipping 30-45 °, hard, not fractured; with intergrowth of pyx xls along boundaries, not sharp boundaries like most veining in this  |
| KUTh | SEL26/2005 | Bluestone | 183 | 187 | Jdl - Jurassic Dolerite | JDD |  | FG-MG | A/G   | FRESH |  |  |  |  | Q    | 1    |   | 10 | Calci  | F   | Fine to at times MG, mottley rather than euhedral. Groundmass often includes very green 'layers'. Veins as above. Competent interval. Fracturing at 1m displays well formed calcite crystals within.  |
| KUTh | SEL26/2005 | Bluestone | 187 | 189 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/G   | FRESH |  |  |  |  | B/   | 2    |   | 10 | Zeolit | F   | MG competent. Half subhedral, and half euhedral. Often asicular xls of pyx. Minor Cb veining. @ 188.43 - 9cm fractured zone due to 2 cb+zeolite veinlets. Fractured surface shows well formed pyx xls. Plag groundmass has distinct light green to blue colour. 2nd generation of hard green veins have intergrowth of pyx xls at end of interval.  |
| KUTh | SEL26/2005 | Bluestone | 189 | 200 | Jdl - Jurassic Dolerite | JDD |  | MG    | A1/A  | FRESH |  |  |  |  | B    | 1    |   |    |        |     | groundmass > phenocrysts (subhedral). Few cb veins. Mottley texture. FG Black mafic component often leaving pits in the core (perhaps due to pervasive selective alteration to chlorite). Competent   |
| KUTh | SEL26/2005 | Bluestone | 200 | 203 | Jdl - Jurassic Dolerite | JDD |  | MG    | A1/A  | FRESH |  |  |  |  | B    | 5    | V |    |        |     | Less competent interval with several breaks. Increase in veining, with many steep dipping veinlets, and two larger vuggy veins with MG zeolites (vitreous, asicular, striated) within. Veins otherwise dominantly Cb. Pyx xls generally larger when proximal to veins, and plag groundmass becomes much greener.  |
| KUTh | SEL26/2005 | Bluestone | 203 | 209 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/A2  | FRESH |  |  |  |  |      |      |   |    |        |     | Competent, No veins/alteration. Often euhedral phenocrysts. Increase in % FG mafics, with groundmass distinctly darker.   |
| KUTh | SEL26/2005 | Bluestone | 209 | 217 | Jdl - Jurassic Dolerite | JDD |  | FG    | A     | FRESH |  |  |  |  | CB   | <1   |   |    |        |     | Very minor Cb veinlets. Equal ratio of Pyx: plag. Some med. Grained phenocrysts, but dominantly fine grained. Decrease in mafics from previous interval   |
| KUTh | SEL26/2005 | Bluestone | 217 | 226 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/A2  | FRESH |  |  |  |  | CB   | 2    | V |    |        |     | Distinct increase in groundmass to phenocrysts. Pyx medium grained, and groundmass dark grey. Very competent interval. Includes many white, randomly orientated Cb veinlets, with only 1 vn>2mm wide (cb with zeolites, and distinct Fe aureol. Porus/vuggy, and up to 5mm wide).   |
| KUTh | SEL26/2005 | Bluestone | 224 | 226 | Jdl - Jurassic Dolerite | JDD |  | MG/FR | A/A2  | FRESH |  |  |  |  |      |      |   |    |        |     | Interval within the interval above that is distinguished by moderate level of fracturing.   |
| KUTh | SEL26/2005 | Bluestone | 226 | 235 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/A2  | FRESH |  |  |  |  | CB/I | 3    |   | B  | V      |     | As above, but includes several biotite-rich veinlets. Submm, and often the biotite is selvage to cb vein. Generally randomly orientated, and not linear (ie 'squiggly' paths). @231.1-231.25m small brecciated zone; very high in biotite and calcite. Voids filled with massive calcite, and biotite at all void surfaces/boundaries to the calcite. Some parts of the breccia a cavity with biotite and calcite xls growing freely. The 5cm leading up to the breccia is also very rich in biotite, growing is blade -like masses. Groundmass dark grey. Interval moderate competence |
| KUTh | SEL26/2005 | Bluestone | 235 | 240 | Jdl - Jurassic Dolerite | JDD |  | MG    | A/A2  | FRESH |  |  |  |  | B    | 3    |   |    |        |     | Dolerite as above, but much less competent; generally fracturing on the horizontal. 10cm zone at 234.6m very fractured, partly due to cb veining. Veining as described above (ie biotite/Cb) but less common. Steeply dipping CB vein at 238-239m, 6mm wide displays horizontal displacement by 5mm. Groundmass dark grey, Pxy xls subhedral, bronze. <5% fine grained black mafics   |
| KUTh | SEL26/2005 | Bluestone | 240 | 243 | Jdl - Jurassic Dolerite | JDD |  | FG-MG | A/A2  | FRESH |  |  |  |  | B    | 2    | V |    | zeolit | V/F | Groundmass > Phenocrysts. No biotite in the steeply dipping CB veins. Vein at beginning of interval vuggy with zeolites within. Groundmass increases in green colour with proximity to veins. Very competent interval   |
| KUTh | SEL26/2005 | Bluestone | 243 | 252 | Jdl - Jurassic Dolerite | JDD |  | MG    | A     | FRESH |  |  |  |  | B    | <1   |   |    |        |     | Competent, with few horizontal breaks. Unaltered. Only 1 obvious veinlet. Groundmass light in colour, with distinct blue colouring. Subhedral phenocrysts. Mafics 5-10%.  |





## Hole ID: Charlton1

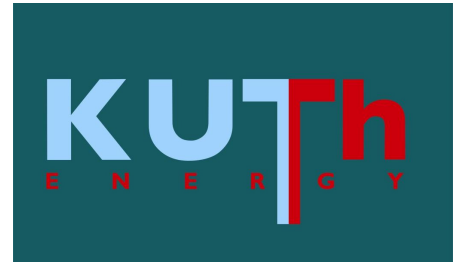
### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Charlton1 | WSG84 | 545,174              | 5,339,821             | 242                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 16/01/2008 | 18/01/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 134    | 12/03/2008 | 20/03/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID   | m From   | m To  | Formation               | Rock 1 2 | Rock    | Rock 1 Qual | Rock 2 Qual | Colour | Regolith | Shear | Suph+ Ore_ % | Suph+ Ore_Ty | Vn_ Type | Vn_ Qual | Int_A Alt_ It | Alt_ Type | Alt_ Qual | Description   |   |   |
|---------|-------------|-----------|--|-------|-------------------------|----------|---------|-------------|-------------|--------|----------|-------|--------------|--------------|----------|----------|---------------|-----------|-----------|---|---|---|
| KUTH    | SEL 26/2005 | Charlton1 | 0  | 3     | Tb - Tertiary Basalt    | TBM      | -       | PO/V        | -           | L2A    | Fresh    | F     | 0            | <1           | ?Py      | ?D       | <10           | CV/FE     | Undf.     | Ferruginised vesicular basalt. Minor ?prehnite vein and minor white smectitic ternary clays   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 3  | 6     | Tb - Tertiary Basalt    | LCY      | TBM     | Y           | PO          | W/2/LA | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | Mostly white smectite/?montmorillonitic clay associated with base of lava flow? - Effervesces slightly (when rehydrating) in water and acid (carbonate) then becomes very soft. Basalt is grey and ferruginised brown and is the minor constituent within this interval -5% |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 6  | 9     | Tb - Tertiary Basalt    | LCY      | -       | Y           | -           | W      | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | Tertiary clays  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 9  | 12    | Tb - Tertiary Basalt    | LCY      | -       | Y           | -           | W      | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 12   | 15    | Jdl - Jurassic Dolerite | JDD      | LCY/TBM | -           | Y           | L2AW   | Fresh    | F     | 0            | 0            | -        | -        | -             | -         | -         | Dolerite/basalt? is grey and brown (ferruginised) and 55% of interval with white sericite/photophle clay 45%. Associated with shear base of lava flow - Effervesces slightly in water and acid and then becomes very soft.  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 15   | 18    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2AOB  | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | Fresh dolerite and orange brown ferruginised dolerite chips.  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 18   | 21    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2AOB  | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | as above-dolerite becoming fresher (less orange-brown chips)  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 21   | 24    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2AOB  | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | as above-dolerite becoming fresher (less orange-brown chips)- minor white sericite clay   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 24   | 27    | Jdl - Jurassic Dolerite | JDD      | LCY     | -           | Y           | L2AOB  | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | as above-dolerite becoming fresher (less orange-brown chips)- minor white sericite clay   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 27   | 30    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2AOB  | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | sericite clay   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 30   | 33    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 33   | 36    | Jdl - Jurassic Dolerite | JDD      | LCY     | -           | Y           | L2A/BW | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | mainly fresh grey-blue dolerite. White sericite clay present along with large piece (2.5cm) of ferruginised dolerite.   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 36   | 39    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | fresh grey-blue dolerite  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 39   | 42    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 42   | 45    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 45   | 48    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 48   | 51    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 51   | 54    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 54   | 57    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 57   | 60    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 60   | 63    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 63   | 66    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 66   | 69    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | fresh grey-blue dolerite- chips fining  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 69   | 72    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite- chips fining. Minor white zeolite/sericitic clay present  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 72   | 75    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | <1           | Py       | -        | 0             | -         | -         | fresh grey-blue dolerite- chips coarser   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 75   | 78    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 78   | 81    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 81   | 84    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | As above  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 84   | 87    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite- chips fining. Minor white zeolite/sericitic clay present  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 87   | 90    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite - chips coarser  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 90   | 93    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite- chips fining. Minor orange-brown zeolite/sericitic clay present   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 93   | 96    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | present   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 96   | 99    | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite- chips fining. Minor white zeolite/sericitic clay present  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 99   | 102   | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | fresh grey-blue dolerite - chips fining EOH   |   |   |
|         |             | Charlton1 | End of RC Drilling and Beginning of Diamond Drilling |       |                         |          |         |             |             |        |          |       |              |              |          |          |               |           |           |   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 102.3  | 102.9 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | -             | -         | -         | medium/coarse grained competent dolerite. Moderately magnetic.  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 102.9  |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | B        | <1            | S         | 10        | CH  | SP  | Fracture surface, with some carbonate and possibly some zeolite/sericite and minor quartz associated infill. Fracture sub-horizontal. |
| KUTH    | SEL 26/2005 | Charlton1 | 102.9  | 103.2 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | medium/coarse grained competent dolerite. Moderately magnetic.  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 103.15   |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | Minor irregular Qtz carbonate/zeolite vein generally less than 3mm wide at ~40degrees to core with green selvage likely to be chlorite.   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 105  |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | mm scale qtz/sericite/carbonate/zeolite vein. Orientation variable from sub-vertical to ~60degrees  |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 105  | 117.7 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | -             | -         | -         | Competent medium/coarse grained dolerite with rare mm to sub-mm sheeted zeolite/carbonate veins. Moderately magnetic.   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 105  |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | <1            | D         | -         | -   | 1cm thick dull white zeolite? (?prehnite) vein within the dolerite at ~45degrees to core. No sense of faulting along vein.  |   |
| KUTH    | SEL 26/2005 | Charlton1 | 117.73   | 117.8 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 100           | S         | 0         | -   | Fault (84degrees to core) Dolerite becoming increasingly broken with minor zeolite on steeply dipping face. Main fault zone laying between 122.35 to 123metres. Talc present. Minor chlorite present. |   |
| KUTH    | SEL 26/2005 | Charlton1 | 118.18   | 125.5 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 70           | 0            | -        | -        | 0             | -         | 10        | -   | SP  | 12mm wide vein @ ~84degrees to core. Same genesis as vein in the above interval. Chlorite alteration variable and patchy.             |
| KUTH    | SEL 26/2005 | Charlton1 | 123.05   | ~124  | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | 10        | -   | SP  | medium/coarse grained competent dolerite. Moderately magnetic.  |
| KUTH    | SEL 26/2005 | Charlton1 | 125.5  | 128.5 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | -   |   |   |
| KUTH    | SEL 26/2005 | Charlton1 | 128.48   |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | -   | SP  | 1mm thick qtz/carbonate vein at 58 degrees to core.   |
| KUTH    | SEL 26/2005 | Charlton1 | 128.48   | 133.8 | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | 10        | -   | SP  | medium/coarse grained competent dolerite. Moderately magnetic.  |
| KUTH    | SEL 26/2005 | Charlton1 | 128.48   |       | Jdl - Jurassic Dolerite | JDD      | -       | -           | -           | L2A    | Fresh    | F     | 0            | 0            | -        | -        | 0             | -         | -         | -   | SP  |   |



Hole ID: Charlton2

Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Charlton2 | WSG84 | 545,172              | 5,339,826             | 242                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| HQ core | 0        | 250.6  | 25/03/2008 | 02/04/2008  | Gerald Spalding Drilling |



Hole ID: Elizabeth

Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Elizabeth | GDA94 | 549,515              | 5,356,726             | 440                | Vertical | Yes    |

<sup>#</sup>GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 150    | 15/11/2007 | 17/11/2007  | Gerald Spalding Drilling |
| HQ core | 150      | 297.7  | 10/12/2007 | 13/12/2007  | Gerald Spalding Drilling |

| DataSet | Prospect   | Hole_ID   | mFrom | mTo | Formation               | Rock1 | Rock1_Qual | Colour    | Regolith | Reg_Qual | Shear | Sulph+ Ore_% | Sulph+ Ore_Ty pe | Vn_T ype | Vn_% | Vn_Qu al | Int_Alt | Alt_Type | Alt_Qua l | Description   |   |  |
|---------|------------|-----------|-------|-----|-------------------------|-------|------------|-----------|----------|----------|-------|--------------|------------------|----------|------|----------|---------|----------|-----------|---|---|--|
| KUTH    | SEL26/2005 | Elizabeth | 0     | 3   | JDI - Jurassic Dolerite | JDD   | -          | O/A2      | SAPRK    | FE       | 0     | 0            | -                | -        |      |          |         |          | -         | -   | Lower saprolite. Weathered insitu dolerite. Predominantly ferruginous weathered dolerite chips intermixed with dark grey fresher dolerite gravel fragments.         |  |
| KUTH    | SEL26/2005 | Elizabeth | 3     | 6   | JDI - Jurassic Dolerite | JDD   | -          | O/A2      | SAPRK    | FE       | 0     | 0            | -                | -        |      |          |         |          | -         | -   | Lower saprolite. Weathered insitu dolerite. Predominantly f resh dolerite gravel fragments with lesser proportion of orange weathered dolerite chips.               |  |
| KUTH    | SEL26/2005 | Elizabeth | 6     | 9   | JDI - Jurassic Dolerite | JDD   | -          | A/D       | FRESH    | -        | 0     | 0            | -                | -        |      |          |         |          | -         | -   | Fresh grey/black dolerite chips with v ery minor disseminated ?pyrite. Magnetite present within dolerite.   |  |
| KUTH    | SEL26/2005 | Elizabeth | 9     | 12  | JDI - Jurassic Dolerite | JDD   | -          | A/D/O     | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         |          | -         | -   | Fresh grey/black dolerite chips with minor carbonate v eining (?stockwork) and oxidation associated with the v eining.  |  |
| KUTH    | SEL26/2005 | Elizabeth | 12    | 15  | JDI - Jurassic Dolerite | JDD   | -          | A2/D/O    | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | Grey/black dolerite chips intermixed with oxidised orange dolerite fragments with minor ?carbonate (?stockwork) v eining and very minor disseminated (?pyrrhotite). |  |
| KUTH    | SEL26/2005 | Elizabeth | 15    | 18  | JDI - Jurassic Dolerite | JDD   | -          | A2/O      | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Black grey mostly fresh dolerite (>70%) with minor f ragment s of weakly ferruginised weathered dolerite - moderately magnetic and minor carbonate                  |  |
| KUTH    | SEL26/2005 | Elizabeth | 18    | 21  | JDI - Jurassic Dolerite | JDD   | -          | A1/O      | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | ~50/50 intermixed poorly consolidated ?f ault related weathered dolerite with intermixed fresh dolerite chips. Small mm scale carbonate veining. Chips coarsening.  |  |
| KUTH    | SEL26/2005 | Elizabeth | 21    | 24  | JDI - Jurassic Dolerite | JDD   | -          | A2/D/W    | FRESH    | -        | 0     | 0            | -                | B        | 2    |          |         |          | -         | -   | Greater proportion of fresh dolerite chips (>70%) to oxidised dolerite. Very minor dull white carbonate v eining. Moderately magnetic.                              |  |
| KUTH    | SEL26/2005 | Elizabeth | 24    | 27  | JDI - Jurassic Dolerite | JDD   | -          | A2/D/W    | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | Fresh unweathered subhedral dolerite chips with v ery minor carbonate veining.  |  |
| KUTH    | SEL26/2005 | Elizabeth | 27    | 30  | JDI - Jurassic Dolerite | JDD   | -          | A/O       | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Lightly weathered dolerite with v ery minor carbonate veining.  |  |
| KUTH    | SEL26/2005 | Elizabeth | 30    | 33  | JDI - Jurassic Dolerite | JDD   | -          | A2/D/W    | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Fresh dolerite with minor carbonate (v ein hosted)  |  |
| KUTH    | SEL26/2005 | Elizabeth | 33    | 36  | JDI - Jurassic Dolerite | JDD   | -          | A2/O/W    | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | Fresh dolerite chips with minor carbonate v eining  |  |
| KUTH    | SEL26/2005 | Elizabeth | 36    | 39  | JDI - Jurassic Dolerite | JDD   | -          | A2/O?W    | FRESH    | -        | 0     | 0            | -                | B        | 3    |          |         |          | -         | -   | Fresh dolerite chips with increasing carbonate hosted v eining, minor oxidation probably associated with the v eining   |  |
| KUTH    | SEL26/2005 | Elizabeth | 39    | 42  | JDI - Jurassic Dolerite | JDD   | -          | A/O       | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Fresh dolerite with very minor vein hosted carbonate and minor FeO stained chips  |  |
| KUTH    | SEL26/2005 | Elizabeth | 42    | 45  | JDI - Jurassic Dolerite | JDD   | -          | A/O       | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | As above  |  |
| KUTH    | SEL26/2005 | Elizabeth | 45    | 48  | JDI - Jurassic Dolerite | JDD   | -          | A/O       | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         |          | -         | -   | Moderately weathered coarser chipped dolerite mixed with lesser proportion of fresh smaller dolerite chips and v ein hosted carbonate                               |  |
| KUTH    | SEL26/2005 | Elizabeth | 48    | 51  | JDI - Jurassic Dolerite | JDD   | -          | A         | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         |          | -         | -   | Fresh dolerite with very minor vein hosted carbonate and minor FeO stained chips  |  |
| KUTH    | SEL26/2005 | Elizabeth | 51    | 54  | JDI - Jurassic Dolerite | JDD   | -          | A/B       | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | As above  |  |
| KUTH    | SEL26/2005 | Elizabeth | 54    | 57  | JDI - Jurassic Dolerite | JDD   | -          | A/B       | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | As above  |  |
| KUTH    | SEL26/2005 | Elizabeth | 57    | 60  | JDI - Jurassic Dolerite | JDD   | -          | A/A1      | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | As above but increased proportion of carbonate  |  |
| KUTH    | SEL26/2005 | Elizabeth | 60    | 63  | JDI - Jurassic Dolerite | JDD   | -          | D/B       | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | Fresh dolerite with very minor vein hosted carbonate and minor FeO stained chips. Chips coarser   |  |
| KUTH    | SEL26/2005 | Elizabeth | 63    | 66  | JDI - Jurassic Dolerite | JDD   | -          | A         | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         | CH       | V         | Fresh dolerite with very minor vein hosted carbonate and minor FeO stained chips. Minor chlorite also present               |   |  |
| KUTH    | SEL26/2005 | Elizabeth | 66    | 69  | JDI - Jurassic Dolerite | JDD   | -          | A/B       | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         | CH       | V         | As above - increase in chlorite and carbonate content   |   |  |
| KUTH    | SEL26/2005 | Elizabeth | 69    | 72  | JDI - Jurassic Dolerite | JDD   | -          | A/B/W     | FRESH    | -        | 0     | <1           | PY               | B        | <1   |          |         | CH       | V         | Fresh dolerite chips with increased carbonate v eining, otherwise as above.   |   |  |
| KUTH    | SEL26/2005 | Elizabeth | 72    | 75  | JDI - Jurassic Dolerite | JDD   | -          | A/B       | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | As above - carbonate veining decreasing and lesser chlorite alteration  |  |
| KUTH    | SEL26/2005 | Elizabeth | 75    | 78  | JDI - Jurassic Dolerite | JDD   | -          | A         | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Fresh dolerite chips with very minor carbonate veining  |  |
| KUTH    | SEL26/2005 | Elizabeth | 78    | 81  | JDI - Jurassic Dolerite | JDD   | -          | A1/B/W/G2 | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | As above  |  |
| KUTH    | SEL26/2005 | Elizabeth | 81    | 84  | JDI - Jurassic Dolerite | JDD   | -          | A/B/D     | FRESH    | -        | 0     | <1           | PY               | B        | <2   |          |         |          | -         | -   | Fresh dolerite chips with v ein hosted carbonate, increasing oxidation and minor disseminated pyrite  |  |
| KUTH    | SEL26/2005 | Elizabeth | 84    | 87  | JDI - Jurassic Dolerite | JDD   | -          | A2/A1/W/B | FRESH    | -        | 0     | 0            | -                | B        | <2   |          |         |          | -         | -   | Fresh dolerite chips with v ery minor increase in v ein hosted carbonate and FeO staining   |  |
| KUTH    | SEL26/2005 | Elizabeth | 87    | 90  | JDI - Jurassic Dolerite | JDD   | -          | B/W/P     | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         | CH       | V         | Coarser dolerite chips with increased carbonate v eining and associated FeO and chlorite alteration. Possible minor gypsum. |   |  |
| KUTH    | SEL26/2005 | Elizabeth | 90    | 93  | JDI - Jurassic Dolerite | JDD   | -          | A2/B/W    | FRESH    | -        | 0     | 0            | -                | B        | <5   |          |         |          | -         | -   | Finer fresh dolerite chips with v ery minor v ein hosted carbonate and ~30% FeO stained chips   |  |
| KUTH    | SEL26/2005 | Elizabeth | 93    | 96  | JDI - Jurassic Dolerite | JDD   | -          | A/O       | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | As above with decreasing proportion of carbonate. Significant proportion (~50%) FeO stained - moderately weathered.   |  |
| KUTH    | SEL26/2005 | Elizabeth | 96    | 99  | JDI - Jurassic Dolerite | JDD   | -          | D/B       | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | As above with a mix of fine and coarser chips decreasing proportion of carbonate. Significant proportion (<30%) FeO stained - weathered.                            |  |
| KUTH    | SEL26/2005 | Elizabeth | 99    | 102 | JDI - Jurassic Dolerite | JDD   | -          | D/B       | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | Fresh dolerite chips with v ery minor oxidation, minor v ein hosted carbonate present.  |  |
| KUTH    | SEL26/2005 | Elizabeth | 102   | 105 | JDI - Jurassic Dolerite | JDD   | -          | D         | FRESH    | -        | 0     | 0            | -                | B        | <1   |          |         |          | -         | -   | As above with decreased proportion of carbonate   |  |

|      |            |           |       |       |                         |     |       |         |       |   |   |     |            |     |    |  |   |             |       |   |
|------|------------|-----------|-------|-------|-------------------------|-----|-------|---------|-------|---|---|-----|------------|-----|----|--|---|-------------|-------|---|
| KUTH | SEL26/2005 | Elizabeth | 105   | 108   | JDI - Jurassic Dolerite | JDD | -     | D       | FRESH | - | 0 | <1  | rhodite/?P | B   | <1 |  |   | -           | -     | Fresh dolerite chips with minor carbonate v eining and <1% disseminated ?pyrrhotite/?pyrite   |
| KUTH | SEL26/2005 | Elizabeth | 108   | 111   | JDI - Jurassic Dolerite | JDD | -     | A2/G    | FRESH | - | 0 | 0   | Pyrite     | B   | <1 |  |   | CH          | minor | Increasingly weathered dolerite with minor v ein hosted carbonate and chlorite.   |
| KUTH | SEL26/2005 | Elizabeth | 111   | 114   | JDI - Jurassic Dolerite | JDD | -     | A2/G/B  | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | -           | -     | As above, decreasing carbonate  |
| KUTH | SEL26/2005 | Elizabeth | 114   | 117   | JDI - Jurassic Dolerite | JDD | -     | D/W     | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | -           | -     | Fresh dolerite chips with v ery minor carbonate   |
| KUTH | SEL26/2005 | Elizabeth | 117   | 120   | JDI - Jurassic Dolerite | JDD | -     | D/G     | FRESH | - | 0 | 0   | -          |     |    |  |   | CH          | minor | Subhedral dolerite with minor chlorite alteration with <1% disseminated pyrite and minor FeO stained chips.   |
| KUTH | SEL26/2005 | Elizabeth | 120   | 123   | JDI - Jurassic Dolerite | JDD | -     | A2/B/W  | FRESH | - | 0 | 0   | -          | B   | <5 |  |   | -           | -     | Mostly fresh dolerite chips with minor weathered/oxidised orange/red fragments. Carbonate veining (mm scale) with very minor disseminated pyrite.   |
| KUTH | SEL26/2005 | Elizabeth | 123   | 126   | JDI - Jurassic Dolerite | JDD | -     | A2/B/W  | FRESH | - | 0 | 0   | -          | B   | <2 |  |   | -           | -     | As above with decreasing proportion of v ein hosted carbonate   |
| KUTH | SEL26/2005 | Elizabeth | 126   | 129   | JDI - Jurassic Dolerite | JDD | -     | A2/B    | FRESH | - | 0 | <1% | Pyrite     | B   | <1 |  |   | -           | -     | Fresh dolerite chips with minor FeO stained chips and minor pyrite  |
| KUTH | SEL26/2005 | Elizabeth | 129   | 132   | JDI - Jurassic Dolerite | JDD | -     | A/B     | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | -           | -     | Fresh dolerite intermixed with minor <5% FeO stained chips  |
| KUTH | SEL26/2005 | Elizabeth | 132   | 135   | JDI - Jurassic Dolerite | JDD | -     | A/B     | FRESH | - | 0 | 0   | -          | B   | <2 |  |   | -           | -     | Fresh dolerite chips with v ein hosted carbonate, increasing oxidation  |
| KUTH | SEL26/2005 | Elizabeth | 135   | 138   | JDI - Jurassic Dolerite | JDD | -     | A2/G    | FRESH | - | 0 | 0   | -          | B   | <5 |  |   | CH          | minor | As above with increase in v ein hosted carbonate.   |
| KUTH | SEL26/2005 | Elizabeth | 138   | 141   | JDI - Jurassic Dolerite | JDD | -     | A2/G    | FRESH | - | 0 | 0   | -          | B   | <2 |  |   | *           | -     | Fresh dolerite chips becoming finer. Lesser v ein hosted carbonate. FeO stained/weathered dolerite <5%  |
| KUTH | SEL26/2005 | Elizabeth | 141   | 144   | JDI - Jurassic Dolerite | JDD | -     | A2/G    | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | *           | -     | As above  |
| KUTH | SEL26/2005 | Elizabeth | 144   | 147   | JDI - Jurassic Dolerite | JDD | -     | A       | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | CH          | minor | Fresh dolerite chips with minor v ein hosted carbonate and FeO weathering   |
| KUTH | SEL26/2005 | Elizabeth | 147   | 150   | JDI - Jurassic Dolerite | JDD | -     | A       | FRESH | - | 0 | 0   | -          | B   | <1 |  |   | CH          | minor | As above with lesser carbonate.   |
| EOH  |            |           |       |       |                         |     |       |         |       |   |   |     |            |     |    |  |   |             |       |   |
| KUTH | SEL26/2005 | Elizabeth | 149.7 | 158.5 | JDI - Jurassic Dolerite | JDD | MG    | A/A2    | FRESH |   |   |     |            |     |    |  |   |             |       | fresh dolerite about 30-40% plag, medium grained.   |
|      |            |           |       |       |                         |     |       |         |       |   |   |     |            |     |    |  |   |             |       | dolerite as above, with an increase in small black mafic xls. Several small largely alteration free carbonate and qz veinlets. Only some minor Fe-oxide alteration present on some fractured surfaces.  |
| KUTH | SEL26/2005 | Elizabeth | 158.5 | 166   | JDI - Jurassic Dolerite | JDD | MG    | A/A2/D  | FRESH |   |   |     |            | B/Q |    |  |   | FE          | U     | fresh dolerite - Pyroxene about 30%, some coarse grained  |
| KUTH | SEL26/2005 | Elizabeth | 166   | 172.8 | JDI - Jurassic Dolerite | JDD | MG    | A/A2/G2 | FRESH |   |   |     |            |     |    |  |   |             |       |   |
| KUTH | SEL26/2005 | Elizabeth | 172.8 | 172.9 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/W  | FRESH |   |   |     |            |     | B  |  |   | CY/SD       | V/F   | very white and pale green carbonate rich crumbly v ein/fracture infill. Siderite clay. finer grained dolerite proximally.   |
| KUTH | SEL26/2005 | Elizabeth | 172.9 | 178   | JDI - Jurassic Dolerite | JDD | MG    | G2/A    | FRESH |   |   |     |            |     |    |  |   |             |       | fresh dolerite. Towards the end of the interval some interesting 2cm-ish bands of dark, pyx depleted dolerite.  |
| KUTH | SEL26/2005 | Elizabeth | 178   | 180.3 | JDI - Jurassic Dolerite | JDD | MG    | A2/A    | FRESH |   |   |     |            |     | B  |  |   |             |       | many veinlets. pyx present in the same quantity, but not euhedral, blending into the plag groundmass  |
| KUTH | SEL26/2005 | Elizabeth | 180.3 | 185.3 | JDI - Jurassic Dolerite | JDD | IN/MG | A2/A    | FRESH |   |   |     |            |     |    |  |   |             |       | Interesting changes in the dolerite; coarse grained with pyroxene making up >50%, of ten euhedral. Some about 2cm 'dyke' of fine grained dark dolerite intersecting.  |
|      |            |           |       |       |                         |     |       |         |       |   |   |     |            |     |    |  |   |             |       | Distinct boundary on either end of the interval, between standard medium to coarse grained dolerite, and fine grained pyx crystal free dolerite. The interval often includes lenses/dykes of the medium grained dolerite... layering within the dolerite? |
| KUTH | SEL26/2005 | Elizabeth | 185.3 | 190.8 | JDI - Jurassic Dolerite | JDD | IN/MG | A2      | FRESH |   |   |     |            |     |    |  |   |             |       | Very minor amount of veining. Interval dominated by medium grained dolerite. Does include some lenses of the fine grained interval described above, and varies in colour between dark grey and dark green.  |
| KUTH | SEL26/2005 | Elizabeth | 190.8 | 213.7 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/G2 | FRESH |   |   |     |            |     | B  |  |   | CY/SR       | V     | Interval has a sub-vertical clay-rich carbonate v ein up to 1cm thick showing distinct selvage - with an increase in grain size 1cm either side of vein. Chlorite found on the contact between carbonate vein and host rock. Very soft/clay rich.         |
| KUTH | SEL26/2005 | Elizabeth | 213.7 | 218.4 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/W  | FRESH |   |   |     |            |     | B  |  |   | CY/SR/EP/FE | V     | Strongly altered interval due to a network of sub-vertical clay rich carbonate veins. Strong Fe-staining throughout. Clay white to light pink. Stockwork texture present, leaving no unaltered dolerite. Photo  |
| KUTH | SEL26/2005 | Elizabeth | 218.4 | 223.1 | JDI - Jurassic Dolerite | JDD |       | B/W/O/P | FRESH |   |   |     |            |     | B  |  | T | CY/FE/EP/CH | V     | Medium grained dolerite, very minor carbonate veining.  |
| KUTH | SEL26/2005 | Elizabeth | 223.1 | 225.4 | JDI - Jurassic Dolerite | JDD | MG    | A2/A    | FRESH |   |   |     |            |     | B  |  |   |             |       | Interval distinguished by 1 sub-vertical vein <5mm. Very soft and crumbly within, with a 4mm alteration aureole - coarser grained dolerite, slightly Fe-stained. Clay within v ein white to pale green.   |
| KUTH | SEL26/2005 | Elizabeth | 225.4 | 230.8 | JDI - Jurassic Dolerite | JDD | MG-CG | A2/A/G  | FRESH |   |   |     |            |     | B  |  |   | CH/CY/SR    | V     | Fresh dolerite  |
| KUTH | SEL26/2005 | Elizabeth | 230.8 | 231.3 | JDI - Jurassic Dolerite | JDD | MG    | A2/A    | FRESH |   |   |     |            |     |    |  |   |             |       | Dolerite with sub vertical carbonate v ein - very pastel pink, many smaller carbonate veins sub-horizontal fed from this vein. Fe-rich selvage  |
| KUTH | SEL26/2005 | Elizabeth | 231.3 | 233.6 | JDI - Jurassic Dolerite | JDD | MG    | A2/W/P  | FRESH |   |   |     |            |     | B  |  |   | CY/CH       | V     | Shear zone - brecciated, very clay rich - Fe stained at first half of the interval to green/chlorite stained at end of carbonate veining towards end of interval also.  |
| KUTH | SEL26/2005 | Elizabeth | 233.6 | 235.7 | JDI - Jurassic Dolerite | JDD | BX/MG | A1/B1/W | FRESH |   | Y |     |            |     | B  |  |   | CY/FE/CH    | V/S   | medium grained, minor carbonate v eining  |
| KUTH | SEL26/2005 | Elizabeth | 235.7 | 238.2 | JDI - Jurassic Dolerite | JDD | MG    | A2/A    | FRESH |   |   |     |            |     | B  |  |   |             |       | Interval of pyroxene xl free, fine grained dolerite. Distinct boundary either end.  |
| KUTH | SEL26/2005 | Elizabeth | 238.2 | 239   | JDI - Jurassic Dolerite | JDD | FG    | A2      | FRESH |   |   |     |            |     |    |  |   |             |       |   |

|      |            |           |       |       |                         |     |       |          |       |  |   |  |  |   |   |  |  |          |                               |   |
|------|------------|-----------|-------|-------|-------------------------|-----|-------|----------|-------|--|---|--|--|---|---|--|--|----------|-------------------------------|---|
| KUTh | SEL26/2005 | Elizabeth | 239   | 240   | JDI - Jurassic Dolerite | JDD | MG    | A2/A     | FRESH |  |   |  |  |   |   |  |  |          | fresh medium grained dolerite |   |
| KUTh | SEL26/2005 | Elizabeth | 240   | 241   | JDI - Jurassic Dolerite | JDD | MG    | A2/A/G   | FRESH |  |   |  |  | B |   |  |  | CY/FE/CH | V                             | dolerite with very unconsolidated clay rich vein. Fe-rich selvage. Chlorite throughout vein.  |
| KUTh | SEL26/2005 | Elizabeth | 241   | 247.4 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/W   | FRESH |  |   |  |  | B |   |  |  | CY/CH    | V                             | Medium grained dolerite with several soft chlorite lenses along edge of carbonate veins. Minor Fe-stained selvage.  |
| KUTh | SEL26/2005 | Elizabeth | 247.4 | 248   | JDI - Jurassic Dolerite | JDD | BX/MG | A2/B/W   | FRESH |  | Y |  |  | B | B |  |  | FE/CY/CH | V                             | Strong Fe and Clay alteration proximal and within 1.5cm wide sub vertical vein. width of the selvage is greater than the vein itself, with increased grain size of dolerite, and pyx xls replaced with Fe-oxides. Mildly brecciated... shear zone?              |
| KUTh | SEL26/2005 | Elizabeth | 248   | 268.2 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/W   | FRESH |  |   |  |  | B |   |  |  | CH/CY    | V                             | Dolerite with a few (average 1 per 2m of core) carbonate veinlets. Veinlets with associated chlorite and clay alteration.   |
| KUTh | SEL26/2005 | Elizabeth | 268.2 | 276.2 | JDI - Jurassic Dolerite | JDD | MG    | A2/A/W/G | FRESH |  | Y |  |  | B |   |  |  | CH/CY/FE | V                             | Interval of heavily veined, and possibly a couple of very small shear zones. Veins are sub vertical, very clay rich. Always with selvage: fine-grained it green clay rich hosting coarser than surrounding dolerite. Pyroxene xls replaced with soft Fe-oxides. |
| KUTh | SEL26/2005 | Elizabeth | 276.2 | 297.7 | JDI - Jurassic Dolerite | JDD | MG    | A2/A     | FRESH |  |   |  |  | B |   |  |  |          |                               | medium grained dolerite, very minor carbonate veinlets. (none for last 8m -before that only average 1 per 2-3m). At start of interval includes same 'dykes' of the fine grained darker dolerite described before.   |



## Hole ID: Epping

### Hole Summary:

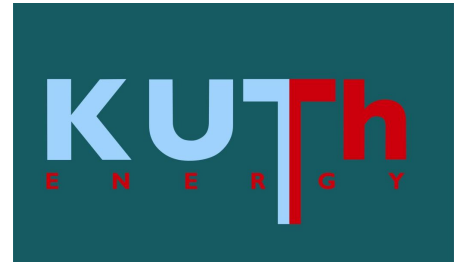
| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Epping  | GDA94 | 533,251              | 5,382,606             | 215                | Vertical | No     |

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 138    | 02/01/2008 | 07/01/2008  | Gerald Spalding Drilling |
| HQ core | 138      | 288    | 25/01/2008 | 04/02/2008  | Gerald Spalding Drilling |



| DataSet | Prospect    | Hole_ID | Rlg   | m     | From | mTo                     | Formation | Rock1 | Rock1_Qual | Colour        | Regolith | Reg_Qual | Shear | Sulph+<br>Ore % | Sulph+Or<br>e_Type | Vn_<br>Type | Vn_<br>% | Vn_<br>Qual | Int_<br>Alt_<br>Type | Alt_<br>Qual | Description  |
|---------|-------------|---------|-------|-------|------|-------------------------|-----------|-------|------------|---------------|----------|----------|-------|-----------------|--------------------|-------------|----------|-------------|----------------------|--------------|--|
| KUTH    | SEL 26/2005 | Epping  | RC    | 0     | 3    | JDI - Jurassic dolerite | JDD       |       |            | A2/O/W        | SAPRK    | F        |       |                 |                    |             |          |             |                      |              | Dominantly fresh dark grey dolerite, with an abundance of orange to brown Fe & clay rich material. The interval also contains a notable amount of white sericitic (?) clay   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 3     | 6    | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | SAPRK    | F        |       |                 |                    |             |          |             |                      |              | As above, with the absence of clay   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 6     | 21   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    |             |          |             |                      |              | Fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 21    | 27   | JDI - Jurassic dolerite | JDD       |       |            | A2/W          | FRESH    |          |       |                 |                    | B           | 2%       |             | 1%                   | CL           | VP<br>6m interval with Cb vein. Minor chlorite alteration associated with vein. Interval otherwise fresh unaltered dolerite  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 27    | 33   | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    |          |       |                 |                    | B           | <1%      |             |                      |              | Dominantly fresh dark grey dolerite, with very minor Cb veining. Interval also consists of dark brown Fe-rich fragments.   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 33    | 39   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    |             |          |             |                      |              | Fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 39    | 42   | JDI - Jurassic dolerite | JDD       |       |            | A2/W          | FRESH    |          |       |                 |                    | B           | 1%       |             |                      |              | Fresh unaltered dolerite, with minor CB veining  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 42    | 48   | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    |          |       |                 |                    |             |          |             |                      |              | Dolerite becoming slightly lighter in colour, and many fragments have brown Fe-staining  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 48    | 51   | JDI - Jurassic dolerite | JDD       |       |            | A2/W          | FRESH    |          |       |                 |                    |             |          |             | 2%                   | SR           | Minor sericite (?) alteration. The white mineral may also be the silicate prehnite.  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 51    | 54   | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    |          |       |                 |                    |             |          |             |                      | CL           | Dolerite interval contains many Fe-stained fragments   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 54    | 57   | JDI - Jurassic dolerite | JDD       |       |            | A2/D          | FRESH    |          |       |                 |                    |             |          |             |                      |              | Very dark interval of dolerite, unaltered  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 57    | 60   | JDI - Jurassic dolerite | JDD       |       |            | A2/G2/W       | FRESH    |          |       |                 |                    | talc        | <1%      |             | ###                  | CY/EP        | Aggregates of white clay present. Overall the interval has lighter coloured dolerite, an epidote is present.   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 60    | 63   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    |             |          |             |                      |              | Fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 63    | 66   | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    | F        |       |                 |                    | B/EP        | 3%       |             |                      |              | Small amount of cb present in veinlets, qz also present (as well as epidote). Interval contains many brown fragments due to Fe-staining (ferruginised?)  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 66    | 72   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    | Q           | <1%      |             |                      |              | Dolerite with few fragments of quartz  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 72    | 75   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    |             |          |             |                      |              | Fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 75    | 78   | JDI - Jurassic dolerite | JDD       |       |            | A2/A          | FRESH    |          |       |                 |                    |             |          |             |                      |              | As above, with a very minor amount of EP, and lighter in colour  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 78    | 96   | JDI - Jurassic dolerite | JDD       |       |            | A2            | FRESH    |          |       |                 |                    |             |          |             |                      |              | Fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 96    | 99   | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    |          |       |                 |                    |             |          |             | CY                   |              | Very minor, mottley clay (SR?) found as infill, sub 1mm. Many of the fragments dark brown rather than grey.  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 99    | 102  | JDI - Jurassic dolerite | JDD       |       |            | D/W           | FRESH    |          |       |                 |                    | B           | 1%       |             |                      |              | Very dark interval, with minor CB. Prehnite & epidote also associated with CB veining  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 102   | 108  | JDI - Jurassic dolerite | JDD       |       |            | A2/B2         | FRESH    |          |       |                 |                    |             |          |             |                      |              | Unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 108   | 111  | JDI - Jurassic dolerite | JDD       |       |            | A2/BW         | FRESH    |          |       |                 |                    |             |          |             | 5% SR/EP             | V            | Many sand sized aggregates present: mottle orange/green/white, very soft and crumble. CB absent.   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 111   | 120  | JDI - Jurassic dolerite | JDD       |       |            | A2/D          | FRESH    |          |       |                 |                    |             |          |             | 2 SR/EP              | V            | As above, with increased proportion of dolerite.   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 120   | 123  | JDI - Jurassic dolerite | JDD       |       |            | A2/G2         | FRESH    |          |       |                 |                    |             |          |             |                      |              | Unaltered dolerite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 123   | 129  | JDI - Jurassic dolerite | JDD       |       |            | D/W           | FRESH    |          |       |                 |                    | Prehnite    | 2%       |             | 1%                   | CL           | Very dark coloured dolerite/black. Prehnite 'bright white', with cl found in association with the prehnite   |
| KUTH    | SEL 26/2005 | Epping  | RC    | 129   | 132  | JDI - Jurassic dolerite | JDD       |       |            | D/W           | FRESH    |          |       |                 |                    |             |          |             |                      |              | As above, with the absence of prehnite/chlorite  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 132   | 135  | JDI - Jurassic dolerite | JDD       |       |            | D/G/W         | FRESH    |          |       |                 |                    | Prehnite    |          |             |                      | CL           | Many sand sized aggregates present: mottle green/white, very soft and crumbly. CB absent.  |
| KUTH    | SEL 26/2005 | Epping  | RC    | 135   | 138  | JDI - Jurassic dolerite | JDD       |       |            | D/B           | FRESH    |          |       |                 |                    | Q           | 1%       |             |                      |              | Dominantly unaltered dolerite, with minor Fe-stained qz veinlets.  |
|         |             |         |       |       |      |                         |           |       |            |               |          |          |       |                 |                    |             |          |             |                      |              | Very dark coloured dolerite, largely composed of black, or dark green pyroxenes. Interval includes many small (1-3mm) veins. Often Quartz lined, with Fe/Hematite. Also very soft/muddy within veins.  |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 138   | 142  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/MG/B/A2 | FRESH    |          |       |                 |                    | Q/H         |          |             |                      |              | Generally lighter in colour than previous interval, with a bluish hue.   |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 141.7 | 145  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/MG      | A2/A1    | FRESH    |       |                 |                    | Q - 1 only  |          |             |                      |              | Very fine grained, with up to 1cm long phenocrysts of tabular pyroxenes. Vz vein present has 2 episodes of precipitation; about 5mm thick: 1 milky white qz, and the other translucent/grey/H 5. Unfractured interval, even with vein.   |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 144.7 | 146  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/MG      | A2/A     | FRESH    |       |                 |                    |             |          |             |                      |              | Still medium grained JDD with anhedral pyroxene crystals. No blue hue as before. Very granular texture.  |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 146   | 148  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/CG      | A2/L2    | FRESH    |       |                 |                    |             |          |             |                      |              | Interval of coarse grained dolerite. Pyx is brown/bronze in colour; both subhedral and euhedral. Very distinct increase in grain size from last (and next) interval, but lacks a distinct boundary. A gradual change rather than a distinct line. Coarse grained section is bordering on a porphy texture. |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 148   | 151  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/MG      | A2/L2    | FRESH    |       |                 |                    |             |          |             |                      |              | Back to fairly non-descript medium grained dolerite. No large phenocrysts - relatively fine grained.   |
| KUTH    | SEL 26/2005 | Epping  | DD-HC | 151   | 153  | JDI - Jurassic dolerite | JDD       |       |            | MA/IN/CG      | A2/L2    | FRESH    |       |                 |                    |             |          |             |                      |              | Same as 146-148m. But this time lower boundary has a distinct change in grain size to next interval. Pyroxene xis not euhedral. Anhedral within the plagioclase groundmass   |





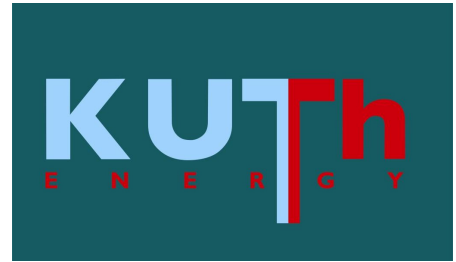
Hole ID: Fingal1

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Fingal  | GDA94 | 590,084              | 5,380,114             | 563                | Vertical | No     |

#GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 36     | 12/11/2007 | 13/12/2007  | Gerald Spalding Drilling |



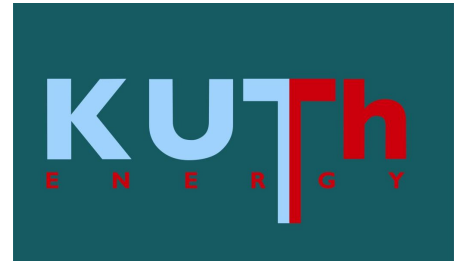
Hole ID: Fingal2

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Fingal2 | GDA94 | 589,312              | 5,380,292             | 577                | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 66     | 13/12/2007 | 16/12/2007  | Gerald Spalding Drilling |



Hole ID: Fingal3

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Fingal3 | GDA94 | 590,381              | 5,381,540             | 613                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| HQ core | 0        | 249.79 | 06/02/2008 | 18/02/2008  | Gerald Spalding Drilling |

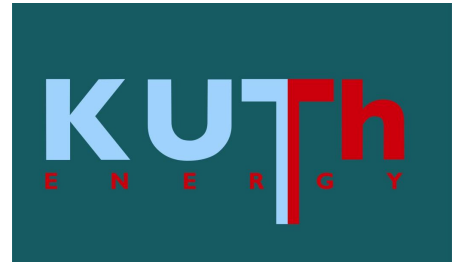
| Data Set | Prospect    | Hole_ID  | Rig   | mFrom | mTo   | Formation                       | Rock1 | Rock2 | Rock1_Qu | Rock2_Qu | Colour | Regolith | Sulph+O<br>re_% | Vn_Type | Vn_% | Vn_Qual | Int_Alt | Alt_Type | Alt_Qual | Description  |
|----------|-------------|----------|-------|-------|-------|---------------------------------|-------|-------|----------|----------|--------|----------|-----------------|---------|------|---------|---------|----------|----------|--|
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 0     | 2.4   | JDI - Jurassic dolerite         | JDD   |       | FR/MG    |          | A/B1   | SAPRK    |                 |         |      |         |         |          |          | 10-0.7 very fractured, with brecciation of the dolerite clay is a common infill in the fractures - due to weathering of the feldspar. Dolerite is fine to medium grained. Interesting weathering of the rock; no spherulite as dolerite typically is - here very angular.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 2.4   | 4.97  | JDI - Jurassic dolerite         | JDD   |       | FR/MG    |          | A1/D   | FRESH    |                 | Q       |      |         |         |          | F        | Fresh unaltered dolerite with a series of sub-horizontal fractures. Fractures infilled with quartz rich veinlets. Generally light coloured dolerite, with many black mafic xls.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 4.97  | 27    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A/D    | FRESH    |                 | Q       |      |         |         |          |          | Fresh unaltered dolerite with subhorizontal veinlets at: 8.05, 8.1, 10.6, 10.7, 12.25, 12.6, 13.8, 13.9, 14.2, 14.9, 15.05, 16.5, 18.07, 18.52, 20.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 27    | 30    | JDI - Jurassic dolerite         | JDD   |       | FR/MG-CG |          | A/D    | FRESH    |                 |         |      |         |         |          |          | Coarser grained than previous interval, although still predominantly medium grained. Many more fractures than previous interval also.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 30    | 33    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A/D    | FRESH    |                 |         |      |         |         |          |          | Medium grained dominantly, with small 'layers'/inclusions of both coarser and finer crystal size. Includes a couple of soft pink, vitreous veinlets - minor reaction with HCL. Some sort of carbonate, steeply dipping.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 33    | 34.7  | JDI - Jurassic dolerite         | JDD   |       | FG       |          | A2     | FRESH    |                 |         |      |         |         |          |          | Interval dominantly fine grained, with some minor medium grained inclusions.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 34.7  | 43    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A/D    | FRESH    |                 | A       |      |         |         |          |          | Interval includes many dark/black veinlets, could be hornblende(?). Veinlets are very small and often discontinuous. Usually in sets, where all parallel, and many present, eg spaced at about 1cm. Sometimes fracturing at veinlet. Surface shows matt black infilled surface. Very minor reaction with HCL on fractured surface. At 42.4m horizontal band (1cm thick) aphanitic inclusion. 41.15-41.5 soft white vein. No Carbonate present, about 3mm wide Fe rich selvage. |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 43    | 45.44 | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A1/D   | FRESH    |                 | A       |      |         |         |          |          | Very clay rich interval, sometimes bordering on Coarse grained. Very fine black veinlets throughout.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 45.44 | 55.4  | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A/D    | FRESH    |                 | A       |      |         |         |          |          | Fresh, unaltered, black veinlets becoming a denser network. 2 minor pink veins present - soft, vitreous.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 55.4  | 57    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A1/D   | FRESH    |                 | A/Q-B   |      |         |         |          |          | Standard interval of dolerite with subvertical 8mm wide vuggy quartz + carbonate vein. Obvious selvage, which includes rhodochrosite.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 57    | 73    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A/D    | FRESH    |                 | A       |      |         |         |          |          | Lighter in colour. Intense black veinlets at generally a steep angle. Becoming darker towards the end of the interval.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 73    | 81    | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A2/D   | FRESH    |                 | A/Q-B   |      |         | CH      |          | V        | Nearing the bottom of the dolerite sill. Black hornblende veinlets less intense, but more az and cb veins present. Very dark in colour, ie plag depleted. Chlorite present within the veins. From 80-81m dolerite is very fine grained, very dark. See photos.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 81    | 81.85 | JDI - Jurassic dolerite         | JDD   |       | MG       |          | A2/D   | FRESH    |                 |         |      |         |         |          |          | Very bottom of the sill at the contact. All but black minerals in the dolerite are replaced/recrystallised. Very disturbed area, chlorite abundant. Interval starts very dark black, goes to light grey/green in colour. Chilled margin/hornfels. Most veining within the interval is subvertical, but the contact itself is subhorizontal. See photos.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 81.85 | 82.3  | Ru - Upper Parmeener Supergroup | SS    |       | FG/VFG   |          | A2/D-G | FRESH    |                 | B/L     |      |         |         |          |          | Black carbonaceous sandstone. Medium grained, soft matrix - black, minor reaction with HCL.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 82.3  | 83.8  | Ru - Upper Parmeener Supergroup | SS    |       | MG       |          | D/W    | FRESH    |                 |         |      |         |         |          |          | Less organic than previous interval. Dropstones/xenoliths present. At the beginning of the interval, 1 well rounded cobble about 6cm diameter present. At the end (last 10cm) of interval many smaller, subrounded, horizontally flattened xenoliths; black, soft. Throughout interval many horizontal bands of interval described next.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 83.8  | 84.7  | Ru - Upper Parmeener Supergroup | SS    |       | FG/MG    |          | A2/W   | FRESH    |                 |         |      |         |         |          |          | Interbedded fine-grained black carbonaceous sandstone with medium grained grey sandstone. Bands of black fine-grained sandstone vary in thickness from 3mm → 2.5cm. See photos   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 84.7  | 92.2  | Ru - Upper Parmeener Supergroup | SS    |       |          |          | D/A    | FRESH    |                 |         |      |         |         |          |          | Mudstone at 87.5-87.7 (see photo). Medium grained grey sandstone. The small section of mudstone has a band of flattened dropstones directly beneath. 86.5-86.7m minor bands (2mm) of black organic sediments and again, a little bit thicker leading up to the mudstone band 91.73 to end of interval, amny 1cm diameter black xenoliths.  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 92.2  | 92.8  | Ru - Upper Parmeener Supergroup | SS    |       | MG       |          | A      | FRESH    |                 |         |      |         |         |          |          | Very soft, well rounded. See photos  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 92.8  | 93.1  | Ru - Upper Parmeener Supergroup | SS    | ST    | FG       |          | A2/D   | FRESH    |                 |         |      |         |         |          |          | Many subhorizontal black bands   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 93.1  | 94.85 | Ru - Upper Parmeener Supergroup | SS    | SB    | MG       |          | A2/B   | FRESH    |                 |         |      |         |         |          |          | Interval of fine-grained sandstone interbedded with black organic siltstone.   |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 94.85 | 95.45 | Ru - Upper Parmeener Supergroup | SS    | SB    | FG       |          | A2/B   | FRESH    |                 |         |      |         |         |          |          | Many small bands of coal throughout. Intensifying towards end of interval  |
| KUTH     | SEL 26/2005 | Fingal 3 | DD-HQ | 94.85 | 95.45 | Ru - Upper Parmeener Supergroup | SS    | SB    | FG       |          | A2/B   | FRESH    |                 |         |      |         |         |          |          | Fine-grained sandstone with quite intense lenses of coal throughout. Horizontal orientation, but generally quite ductile manner, wavy. Interval also includes dropstones; mainly black/well rounded etc, but also very well rounded light coloured siliceous dropstone (where from??). See photos  |

|      |             |          |       |        |  |        |       |                |         |       |  |  |  |  |  |  |  |  |  |
|------|-------------|----------|-------|--------|--|--------|-------|----------------|---------|-------|--|--|--|--|--|--|--|--|--|
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 95.45  | 97.3 Ru - Upper Parmeener Supergroup   | SS     | SU/SB | MG/minor CG    | A/B     | FRESH |  |  |  |  |  |  |  |  | Dominantly medium grained, with some small layers of course grained sandstone. Many black bands throughout. Area between 96.3-96.6 interesting, with layer of mudstone, with some layers of conglomerate directly underneath. Pebbles made from soft mudstone.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 97.3   | 97.8 Ru - Upper Parmeener Supergroup   | SB     |       | MA             | D       | FRESH |  |  |  |  |  |  |  |  | Black coal, moderate softness (about 4). Low specific gravity. Very minor soft white veinlets.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 97.8   | 99.8 Ru - Upper Parmeener Supergroup   | ST     | SU    | BD/GRXB        | A1/A2   | FRESH |  |  |  |  |  |  |  |  | Interbedded siltstone and mudstone. See photos 127-128. Obvious small scale x-bedding. Graded beds show RWU. See photos.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 99.8   | 106.95 Ru - Upper Parmeener Supergroup | SS     |       | MG             | A1      | FRESH |  |  |  |  |  |  |  |  | Massive, no beds/bands   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 106.95 | 107.3 Ru - Upper Parmeener Supergroup  | SS     | SB    | CG             | A1/D    | FRESH |  |  |  |  |  |  |  |  | Fairly coarse grained sandstone, with many randomly orientated elongate lenses of coal, and equally random rounded siltstone cobbles and pebbles. See photos   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 109.98 | 110.02 Ru - Upper Parmeener Supergroup | SS(?)  |       |                |         |       |  |  |  |  |  |  |  |  | Chunky interbedded mudstone and siltstone. Mudstone is dark grey, organic. Siltstone is grey. Last 20cm of interval mixed with med grained sandstone.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 107.3  | 108 Ru - Upper Parmeener Supergroup    | SU     | ST    | BD             | A2/A    | FRESH |  |  |  |  |  |  |  |  | Massive medium grained sandstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 108    | 109.7 Ru - Upper Parmeener Supergroup  | SS     |       | MA             | A1      | FRESH |  |  |  |  |  |  |  |  | Subhorizontal boundary. Black coal. Mildly vitreous lustre.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 109.7  | 109.98 Ru - Upper Parmeener Supergroup | SB     |       | MA             | D       | FRESH |  |  |  |  |  |  |  |  | Layer of clay matrix loosely supported sandstone. Fine grained conglomerate(?)   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 109.98 | 110.02 Ru - Upper Parmeener Supergroup | SS(?)  |       | MA             | K       | FRESH |  |  |  |  |  |  |  |  | Massive, black coal  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 110.02 | 110.2 Ru - Upper Parmeener Supergroup  | SB     |       |                | D       | FRESH |  |  |  |  |  |  |  |  | Same clay-matrix supported sandstone described above. See photos   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 110.2  | 110.85 Ru - Upper Parmeener Supergroup | SS(?)  |       |                | K       | FRESH |  |  |  |  |  |  |  |  | Massive, black coal  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 110.85 | 111.55 Ru - Upper Parmeener Supergroup | SB     |       | MA             | D       | FRESH |  |  |  |  |  |  |  |  | Graded beds show RWU. Looks like turbidite sequence. Mudstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 111.55 | 113 Ru - Upper Parmeener Supergroup    | SS     |       | BD/GR          | A       | FRESH |  |  |  |  |  |  |  |  | → Siltstone → Sandstone usually within 5cm. Many layers like this.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 113    | 113.95 Ru - Upper Parmeener Supergroup | SS     |       | MG             | A1      | FRESH |  |  |  |  |  |  |  |  | Massive, medium grained sandstone.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 113.95 | 114.7 Ru - Upper Parmeener Supergroup  | SU/SB  |       | VFG            | D/A2    | FRESH |  |  |  |  |  |  |  |  | Dark seam of carbonaceous mudstone (matted black-grey) fine seams (~0.5mm) approximately 10cm apart of vitreous black matter. (Interp: low grade coal with fine seams of higher grade coal?)   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 114.7  | 115.67 Ru - Upper Parmeener Supergroup | ST/SU? |       | FG             | A2      | FRESH |  |  |  |  |  |  |  |  | Very fine grained silty mudstone with several fractures/breaks lengthwise along the core, dividing the core into 2-5 uneven pieces. 10-15cm of core at upper and basal regions of the unit are crumbled into 1-5 cm pieces   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 115.67 | 117.6 Ru - Upper Parmeener Supergroup  | ST     | SU    | VFG, LA, XEVFG | A1/A2W  | FRESH |  |  |  |  |  |  |  |  | Very finely laminated silty-mudstone, not cohesive in parts (crumbling, swelling?) with interspersed grey-white clay portions (2 x 10cm) (swollen and crumbled severely) crossbeds evident.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 117.6  | 118 Ru - Upper Parmeener Supergroup    | SF/SU  |       | VFG, Y.        | W-A1, G | FRESH |  |  |  |  |  |  |  |  | Greenish white-grey mudstone with very fine lithic (predominantly mica) fragments, coarsening to siltstone briefly (3cm) at the base of the unit. Surface has deteriorated (water?) but centre of core is cohesive.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 118    | 119.2 Ru - Upper Parmeener Supergroup  | SU/SB  |       | VFG            | A2      | FRESH |  |  |  |  |  |  |  |  | Dark grey mudstone with very fine (~0.1mm) 'wepy seams' of darker sub-vitreous material (5%) (no specific orientation) core is mostly of moderate cohesion with 2 x 15cm sections completely crumbled into 0.5-1.5cm fragments.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 119.2  | 120.17 Ru - Upper Parmeener Supergroup | ST-SS  |       | MG, LA, GR     | BA2/ A  | FRESH |  |  |  |  |  |  |  |  | Fine laminations and minor grading sequences within a graded medium siltstone - medium sandstone unit. Laminations are dark and fluting can be seen within beds. Minor black and grey silt-sandstone seam inclusions present (Carbonaceous?); 2-7.5mm thick, discontinuous. 1.5-6cm long (within lower 10cm) |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 120.17 | 121.7 Ru - Upper Parmeener Supergroup  | SS     |       | MG, XB.        | W/A1    | FRESH |  |  |  |  |  |  |  |  | Finely laminated medium grained sandstone, laminations 1-10mm apart, regular cross-bedding. 1-2cm intervals.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 121.7  | 122.35 Ru - Upper Parmeener Supergroup | ST-SS  |       | GR, FG-MG      | D/A1/A2 | FRESH |  |  |  |  |  |  |  |  | An interval of graded fine siltstone to medium sandstone with minor intervals of conglomerate coarse sandstone (not cohesive) heavily laminated at top of the unit. Laminations are dark black and mudstone sized (seams?); often discontinuous and associated with lithic fragment inclusions.              |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 122.35 | 122.52 Ru - Upper Parmeener Supergroup | SU/SB  |       | VFG            | D       | FRESH |  |  |  |  |  |  |  |  | Very fine grained (carbonaceous?) mudstone. At base: 5mm lamination; vitreous black matter, breaking in square/rectangular blocks.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 122.52 | 122.9 Ru - Upper Parmeener Supergroup  | SS     |       | VCG, SF        | D/A2W   | FRESH |  |  |  |  |  |  |  |  | Very coarse grained sandstone with 20% seams/laminations (0.2mm-5mm wide) sub-vitreous black mudstone (Carbonaceous?) and one 7.5mm vitreous black mudstone (fs) angular clasts.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 122.9  | 125.7 Ru - Upper Parmeener Supergroup  | SF, SS |       | CG, MA         | A       | FRESH |  |  |  |  |  |  |  |  | Massive coarse-grained felspathic sandstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 125.7  | 127 Ru - Upper Parmeener Supergroup    | SF     |       | MG, MA         | A       | FRESH |  |  |  |  |  |  |  |  | Medium grained felspathic sandstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 127    | 128.38 Ru - Upper Parmeener Supergroup | SF     |       | MG-CG          | A/D     | FRESH |  |  |  |  |  |  |  |  | Massive sandstone with a 15cm cluster of coal (?) seams and/or dark carbonaceous lithic fragments and lithic mudstone clasts 0.5mm-0.75mm, sub-rounded.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 128.38 | 128.8 Ru - Upper Parmeener Supergroup  | SF     |       | MG-CG          | A2      | FRESH |  |  |  |  |  |  |  |  | Inequigranular felspathic sandstone and minor fine coal seams at the base  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 128.8  | 129.15 Ru - Upper Parmeener Supergroup | ST     |       | MG, LA         | A1/A2W  | FRESH |  |  |  |  |  |  |  |  | Medium siltstone with dense cluster of lithic clay fragments (15% matrix) and coal seam laminations; some sub-vitreous, some dull, (0.5-1mm thick), not well bedded (uncertain if soil-sed deformation or mass-flow-style; strange lamination style and/or clasts)   |

|      |             |          |       |        |                                       |          |  |           |           |       |    |    |   |   |   |   |   |   |
|------|-------------|----------|-------|--------|---------------------------------------|----------|--|-----------|-----------|-------|----|----|---|---|---|---|---|---|
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 129.15 | 129.45 Ru - Upper Pameener Supergroup | SF       |  | GR, MG-CG | A         | FRESH |    |    |   |   |   |   |   | Graded MG-CG feldspathic sandstone with minor carbonaceous wisps and subvitreous seams in the lower 5cm   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 129.45 | 130.8 Ru - Upper Pameener Supergroup  | ST-SU    |  | LA, XB    | A2-A1/D/G | FRESH |    |    |   |   |   |   |   | Finely laminated and crossbedded siltstone with minor (<1%) carbonaceous wisps - as in above unit   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 130.6  | 131.1 Ru - Upper Pameener Supergroup  | ST-SU    |  | LA        | W         | FRESH |    |    |   |   |   |   |   | Laminated clay mudstone, swollen and cracked along planes.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 131.1  | 131.6 Ru - Upper Pameener Supergroup  | SU/ST/SF |  | GR, BD    | A1/A2     | FRESH |    |    |   |   |   |   |   | Several successions of graded, bedded (uneven beds) (looks like relatively turbid environment); minor, non-continuous coal? (inclusions? - 3mm wide, 2-6cm long. Core split in half in places (potentially water weakening?))   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 131.6  | 131.78 Ru - Upper Pameener Supergroup | SU       |  | VFG       | DB-A1     | FRESH |    |    |   |   |   |   |   | Dull-sub-resinous, moderately lightweight black-grey mudstone, brittle (cracking under finger-pressure) with 2cm grey-brown mudstone (intervals semi-vitreous)  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 131.78 | 132.4 Ru - Upper Pameener Supergroup  | SU-ST    |  | VFG-FG    | A1/A2/D   | FRESH |    |    |   |   |   |   |   | Very poorly bedded mud-siltstone with fine, discontinuous black veinlets: up to 4cm long and 1-2mm wide - pervasive with no distinct orientation  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 132.4  | 132.58 Ru - Upper Pameener Supergroup | SU       |  | LA, Y     | W/A1      | FRESH | <1 | Py |   |   |   |   |   | Swollen and cracked laminated clay-mudstone with ~10-15% fine dull resinous black veinlets - pervasive with no distinct orientation.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 132.58 | 135.5 Ru - Upper Pameener Supergroup  | SU       |  | VFG-FG    | BW-A1-B   | FRESH | <1 | Py |   |   |   |   |   | Successions in interbedded black mudstone (med. Lightweight, carbonaceous, matted, sub-resinous) 5-20cm brown mudstone intervals, 5-10cm intervals of white-grey mudstone (swollen) 2-30cm apart. Core poorly preserved (50% degradation; cracking, swelling, crumbled)                                 |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 135.5  | 136.2 Ru - Upper Pameener Supergroup  | SU       |  | VFG       | W/A1      | FRESH |    |    |   |   |   |   |   | Swollen and cracked laminated clay-mudstone with ~10-15% fine dull resinous black veinlets - pervasive with no distinct orientation.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 136.2  | 137.17 Ru - Upper Pameener Supergroup | SU       |  | VFG, MA   | D         | FRESH |    |    |   |   |   |   |   | Very fine grained, dull - sub-resinous carbonaceous mudstone, broken into 1-15cm blocks along the core  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 137.17 | 137.42 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | Fine grained white mudstone-siltstone, grading into slightly coarser brown mud-siltstone with minor, discontinuous black carbonaceous inclusions and a 3cm bed of black carbonaceous mudstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 137.42 | 137.44 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | As above but more consolidated  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 137.44 | 137.77 Ru - Upper Pameener Supergroup | SU       |  | VFG       | D         | FRESH |    |    |   |   |   |   |   | Black carbonaceous mudstone, minor inconsistent bands of indurated, minor coal bands  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 137.77 | 138.37 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | Black carbonaceous inclusions within a light-coloured muddy-siltstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 138.37 | 138.43 Ru - Upper Pameener Supergroup | SU       |  | VFG       | D         | FRESH |    |    |   |   |   |   |   | Black carbonaceous mudstone, minor inconsistent bands of indurated, minor coal bands  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 138.43 | 138.52 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | Black carbonaceous inclusions within a light-coloured muddy-siltstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 138.52 | 139.16 Ru - Upper Pameener Supergroup | SU-ST    |  | VFG       | D/A2      | FRESH |    |    |   |   |   |   |   | Black carbonaceous mudstone (continuation?) with minor consolidated coal lenses (138.85) minor void 1cm x 3mm x 3mm); dark grey interbed.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 139.16 | 139.31 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | Black carbonaceous inclusions within a light-coloured muddy-siltstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 139.31 | 140.17 Ru - Upper Pameener Supergroup | SU-ST    |  | VFG       | D/A2      | FRESH |    |    |   |   |   |   |   | Black carbonaceous mudstone (continuation?) with minor consolidated coal lenses (138.85) minor void 1cm x 3mm x 3mm); dark grey interbed.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 140.17 | 140.47 Ru - Upper Pameener Supergroup | SU-ST    |  | GR        | W-A1/B    | FRESH |    |    |   |   |   |   |   | Black carbonaceous inclusions within a light-coloured muddy-siltstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 140.47 | 140.78 Ru - Upper Pameener Supergroup | SU       |  | VFG       | D         | FRESH |    |    |   |   |   |   |   | Black fissile-shale coal (carbonaceous mudstone) core completely broken into 2-5mm sized fragments.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 140.78 | 140.86 Ru - Upper Pameener Supergroup | SU       |  | VFG, GR   | A2-A1     | FRESH |    |    |   |   |   |   |   | Grading into lighter grey mudstone with similar breaking pattern to above unit  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 140.86 | 141.5 Ru - Upper Pameener Supergroup  | SU       |  | GR        | D-A2      | FRESH |    |    |   |   |   |   |   | grading back into black carbonaceous mudstone with minor coal traces (mini-seams?)  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 141.5  | 141.54 Ru - Upper Pameener Supergroup | SU       |  | VFG - Y   | A1-AY1    | FRESH |    |    |   |   |   |   |   | Pale-grey - pale yellow - grey mudstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 141.54 | 141.98 Ru - Upper Pameener Supergroup | SU       |  |           | A         | FRESH |    |    |   |   |   |   |   | Core completely crumbled and unconsolidated. Grey fissile, shaley mudstone.   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 141.98 | 142 Ru - Upper Pameener Supergroup    | SU       |  | GR        | A         | FRESH |    |    |   |   |   |   |   | grading into a more coherent lense  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 142    | 142.19 Ru - Upper Pameener Supergroup | SU       |  |           | A         | FRESH |    |    |   |   |   |   |   | fissile, shaley-grey carbonaceous mudstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 142.19 | 142.3 Ru - Upper Pameener Supergroup  | SU       |  |           | A - D     | FRESH |    |    |   |   |   |   |   | As above but more coherent  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 142.3  | 142.43 Ru - Upper Pameener Supergroup | SU       |  |           | A2        | FRESH |    |    |   |   |   |   |   | Fissile, shaley, carbonaceous mudstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 142.43 | 142.99 Ru - Upper Pameener Supergroup | SU-ST    |  |           | A         | FRESH |    |    |   |   |   |   |   | Coherent, grey, carbonaceous silty mudstone   |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 142.99 | 143.89 Ru - Upper Pameener Supergroup | SU       |  |           | A2        | FRESH |    |    |   |   |   |   |   | Dark grey carbonaceous mudstone, crumbled at upper end, fractured at lower .  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 143.89 | 144.11 Ru - Upper Pameener Supergroup | SU       |  |           | D         | FRESH |    |    |   |   |   |   |   | grading into more coherent, black, carbonaceous shaley mudstone.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 144.11 | 144.7 Ru - Upper Pameener Supergroup  | SU-ST    |  |           | A2-A1     | FRESH |    |    |   |   |   |   |   | Light grey mudstone grading into slightly darker grey mudstone; crumbly texture: expansion of sediments.  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 144.7  | 146.48 Ru - Upper Pameener Supergroup | ST-SU    |  | GR        | A2        | FRESH |    |    |   |   |   |   |   | Dark grey silty-mudstone, crumbling between 146.07-146.3  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 146.48 | 151.64 Ru - Upper Pameener Supergroup | SU-SS    |  |           | A         | FRESH |    |    |   |   |   |   |   | grading into a coarse lithic sandstone  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ |        |                                       |          |  |           |           |       |    |    |   |   |   |   |   | Grey medium grained calcareous coherent sandstone with minor intraclasts of coal with possible very minor bioclasts. Variably grain supported to matrix supported subrounded calcareous clasts within a matrix of white calcareous clay. Bedding approximately horizontal and grading upwards (normal). |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 151.64 | 152.38 Ru - Upper Pameener Supergroup | SS       |  | -         | AWD       | FRESH | -  | -  | - | - | - | - | - | Dark grey carbonaceous mudstone, crumbled at upper end, fractured at lower .  |
| KUTH | SEL 26/2005 | Fingal 3 | DD-HQ | 152.38 | 152.4 Ru - Upper Pameener Supergroup  | SB       |  | -         | D         | FRESH | -  | -  | - | - | - | - | - | Vitreous coal with massive texture  |







## Hole ID: Frankford

### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Frankford | GDA94 | 490,171              | 5,416,602             | 289                | Vertical | No     |

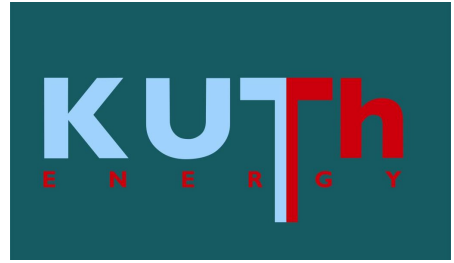
<sup>#</sup> GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 02/05/2008 | 03/05/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 251.6  | 06/05/2008 | 11/05/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID   | mFrom | mTo    | Formation                      | Rock1     | Rock2 | Rock1_Qual | Rock2_Qual | Colour      | Regolith | Reg_Qual | Shear | Sulph+ Ore % | Sulph+ Ore Type | Vn_Type | Vn_ %     | Vn_ Qual | Int_Alt | Alt_Type | Alt_Qual | Description   |   |
|---------|-------------|-----------|-------|--------|--------------------------------|-----------|-------|------------|------------|-------------|----------|----------|-------|--------------|-----------------|---------|-----------|----------|---------|----------|----------|---|---|
| KUTh    | SEL 26/2005 | Frankford |       | 0      | 3 JDI - Jurassic Dolomite      | JDD       |       | Y/OP       |            | O/B/A2      | LSAP     | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Lower saprolite. Weathered instu dolomite. Predominantly ferruginous weathered dolomite chips intermixed with dark grey fresher dolomite coarse sand sized fragments. Clay proportion <30%.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 3      | 6 JDI - Jurassic Dolomite      | JDD       |       | OP/Y       |            | A2/O/B      | SAPRK    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Fresh grey/black ophitic dolomite gravel with Fe stained clay and minor weathered plagioclase + clay. Clay proportion 5 - 10%.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 6      | 9 JDI - Jurassic Dolomite      | JDD       |       | OP/Y       |            | A2/O/B      | SAPRK    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Fresh grey/black ophitic dolomite coarse sandy gravel intermixed with weathered Fe stained coarse sandy gravelly dolomite sized grains with weathered plagioclase + clay. Clay proportion 30 - 40%.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 9      | 12 JDI - Jurassic Dolomite     | JDD       |       | OP/Y       |            | A2/O/B      | SAPRK    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above with grain size increasing.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 12     | 15 JDI - Jurassic Dolomite     | JDD       |       | OP/Y       |            | A/A2/O/B    | SAPRK    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above becoming increasingly weathered.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 15     | 18 JDI - Jurassic Dolomite     | JDD       |       | OP/Y       |            | A/A2/O/B    | SAPRK    | F        | -     | -            | -               | -       | B/Q       | -        | -       | -        | -        | Predominance of weathered dolomite. Minor carbonate present. Fe stained clay approx <5%.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 18     | 21 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/O/B      | FRESH    | F        | -     | -            | -               | -       | B/Q       | -        | -       | -        | -        | Fresh grey/black coherent ophitic dolomite. Dolomite gravel particle size increasing, with VERY minor weathered plagioclase and minor carbonate. Clay proportion <2%.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 21     | 24 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/O/B      | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Fresh grey/black ophitic dolomite, gravel sized particles and minor clay (proportion: 1-5%)   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 24     | 27 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/O/B      | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Fresh grey/black ophitic dolomite. Coarse dolomite sand - gravel sized particles, minor clay (proportion <1%). Very minor weathered dolomite/fractures present.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 27     | 30 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/O/B/W    | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | -        | -        | As above with slight increase in proportion of weathered dolomite gravelly particles.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 30     | 33 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A/B1     | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above with an increase in gravel proportion. Weathered dolomite/fractures still persistent within the dolomite. Seen as individual weathered Fe stained gravelly dolomite fragments.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 33     | 36 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A/B1     | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 36     | 39 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A/B1     | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | -        | -        | As above with minor quartz/carbonate vein fragments within dolomite gravel.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 39     | 42 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/O/B/W    | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Fresh dark grey ophitic dolomite gravel fragments mixed with quartz carbonate and possible sericite. Interpreted to have come from mm scale veins which are weakly chlorite altered.  |
| KUTh    | SEL 26/2005 | Frankford |       | 42     | 45 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A1/B/W   | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | As above  |
| KUTh    | SEL 26/2005 | Frankford |       | 45     | 57 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A/W      | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh ophitic coarse sandy to gravelly sized dolomite grains mixed with Fe stained (weathered - weathering not weak or strong) gravelly dolomite fragments.   |
| KUTh    | SEL 26/2005 | Frankford |       | 57     | 60 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A/B/R    | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 60     | 63 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A        | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Predominantly fresh gravelly dolomite fragments intermixed with minor (5 - 15%) brown Fe stained dolomite grains and lesser (<5%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture. |   |
| KUTh    | SEL 26/2005 | Frankford |       | 63     | 66 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/A        | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above with decreasing proportion of grey clay (<1%)  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 66     | 75 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A/A2/B/W    | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh gravelly dolomite fragments intermixed with minor (5 - 15%) brown Fe stained dolomite grains and lesser (<5%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture.                   |
| KUTh    | SEL 26/2005 | Frankford |       | 75     | 78 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A/A2/B/W    | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | As above with decreasing proportion of grey clay (<1%)  |
| KUTh    | SEL 26/2005 | Frankford |       | 78     | 81 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A/A2/A1/B/W | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh gravelly dolomite fragments intermixed with minor (5 - 15%) brown Fe stained dolomite grains and lesser (<5%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture. Same as 66 - 75m. |
| KUTh    | SEL 26/2005 | Frankford |       | 81     | 84 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A/A2/A1     | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | As above with decreasing proportion of grey clay (<1%)  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 84     | 87 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A/A2/A1/B/W | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh gravelly dolomite fragments intermixed with minor (2 - 5%) brown Fe stained dolomite grains and lesser (<1%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture.                    |
| KUTh    | SEL 26/2005 | Frankford |       | 87     | 90 JDI - Jurassic Dolomite     | JDD       |       | OP         |            | A2/AB/W     | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh gravelly dolomite fragments intermixed with minor (2 - 5%) brown Fe stained dolomite grains and lesser (<1%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture. Same as 66 - 75m.  |
| KUTh    | SEL 26/2005 | Frankford |       | 90     | 101 JDI - Jurassic Dolomite    | JDD       |       | OP         |            | A/A2/A1/B/W | FRESH    | F        | -     | -            | -               | -       | B/Q       | <1       | -       | 20       | CH       | VP  | Predominantly fresh gravelly dolomite fragments intermixed with minor (<2%) brown Fe stained dolomite grains and slightly increasing (>2%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture.          |
|         |             |           |       |        | EOH                            |           |       |            |            |             |          |          |       |              |                 |         |           |          |         |          |          |   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 101.9  | 104.24 JDI - Jurassic Dolomite | JDD       |       | OP         |            | A           | FRESH    | F        | -     | <0.5         | Py              | -       | -         | -        | -       | -        | -        | Fine to medium grained competent dolomite - very weakly magnetic. Zeolite carbonate vein x-culting dolomite. Dip approx 30degrees.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 104.24 |                                | R/zeolite |       | -          |            | W/G         |          |          | <10   | <0.5         | Py              | Zeolite | <1        | S        | 20      | CH       | VP       | <1mm wide with patchy chlorite alteration and disseminated pyrite (much less than 0.5%)   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 104.24 | 104.61 JDI - Jurassic Dolomite | JDD       |       | OP         |            | A           | FRESH    | F        | -     | <0.5         | Py              | -       | -         | -        | -       | -        | -        | Fine to medium grained competent dolomite - very weakly magnetic. Zeolite vein with very minor carbonate. Chlorite -5%. Dip 40 degrees. <0.5mm thick.   |   |
| KUTh    | SEL 26/2005 | Frankford |       | 104.61 | 105.6 JDI - Jurassic Dolomite  | JDD       |       | OP         |            | A           | FRESH    | F        | -     | -            | -               | -       | Zeolite/B | <1       | S       | 20       | CH       | VP  | Dolomite as above.  |
| KUTh    | SEL 26/2005 | Frankford |       | 104.61 | 105.6 JDI - Jurassic Dolomite  | JDD       |       | OP         |            | A           | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | 3 parallel taic carbonate veins with very minor pyrite and chlorite (<10%). Dip 50degrees. All 3 veins are around 5mm thick.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 105.6  | 105.78                         | R/talc    |       | -          |            | W           | FRESH    | F        | -     | <0.5         | Py              | Talc/B  | ~1        | S        | <10     | CH       | VP       | Dolomite as above.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 105.78 | 116.52 JDI - Jurassic Dolomite | JDD       |       | OP         |            | A           | FRESH    | F        | -     | -            | -               | -       | -         | -        | -       | -        | -        | Minor talc and calcite with possible zeolite vein. Dip ~34degrees. 11mm thick. Chlorite ~5%.  |   |
| KUTh    | SEL 26/2005 | Frankford |       | 116.52 |                                | R/talc    |       | -          |            | W           |          |          | <10   | <0.5         | Py              | Talc/B  | ~1        | S        | ~5      | CH       | VP       |   |   |

|      |             |           |        |   |     |  |     |  |                  |        |   |     |   |   |   |           |    |   |    |    |  |  |
|------|-------------|-----------|--------|---|-----|--|-----|--|------------------|--------|---|-----|---|---|---|-----------|----|---|----|----|--|--|
| KUTh | SEL 26/2005 | Frankford | 116.52 | 123.6 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | AW               | FRESH  | F | 30  | - | - | - | Zeolite   | <5 | S | -  | -  | Zeolite vein - a possible minor fault with movement likely to be cm scale or less - sense of movement undetectable in hand specimen. Vein approx 1cm thick dipping irregularly but generally around 72degrees. |  |
| KUTh | SEL 26/2005 | Frankford | 123.6  | 124.9 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | A                | FRESH  | F | -   | - | - | - | -         | -  | - | -  | -  | Compent line to medium grained dolomite with very fine black hairlike vein. Vein is soft ~2. Likely to be biotite.   |  |
| KUTh | SEL 26/2005 | Frankford | 124.9  |   |     |  |     |  | W                |        | - | -   | - | - | - | Talc/B    | ~1 | S | ~5 | CH | VP   | Talc calcite vein with minor chlorite. Vein ~ 1cm thick. Dip ~65degrees.   |
| KUTh | SEL 26/2005 | Frankford | 124.9  | 125.4 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | A                | FRESH  | F | -   | - | - | - | -         | -  | - | -  | -  | Compent line to medium grained dolomite with very fine black hairlike vein. Vein is soft ~2. Likely to be biotite.   |  |
| KUTh | SEL 26/2005 | Frankford | 125.4  | 125.6 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | A                | FRESH  | F | 10  | - | - | - | Zeolite/B | >5 | S | 10 | CH | VP   | Fractured dolomite 1-2mm zeolite veins with minor carbonate. 3 vein sets -1 dipping 35degrees containing zeolite & chlorite. 2 comprised of zeolite and chlorite (90degrees to 1 - in the horizontal plane) dipping approx 50degrees. 3 - steeply dipping irregularly around 70degrees. Contains carbonate (likely to be calcite) and no chlorite.   |
| KUTh | SEL 26/2005 | Frankford | 125.6  | 129.3 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | A                | FRESH  | F | -   | - | - | - | -         | -  | - | -  | -  | -  | Compent line to medium grained dolomite.   |
| KUTh | SEL 26/2005 | Frankford | 129.3  | 154 JDI - Jurassic Dolomite                                   | JDD |  | OP  |  | A                | FRESH  | F | 30  | - | - | - | Zeolite   | <5 | S | 10 | CH | VP   | Steeply dipping ~ 80degrees zeolite with minor carbonate vein/minor fault. Chlorite.   |
| KUTh | SEL 26/2005 | Frankford | 154    | 155.44  |     |  | OP  |  | W                |        | - | -   | - | - | - | C         | ~1 | S | 0  | -  | -  | Vuggy calcite vein ~5mm thick dipping ~86degrees - no sense of movement  |
| KUTh | SEL 26/2005 | Frankford | 155.44 | 187.5 JDI - Jurassic Dolomite                                 | JDD |  | OP  |  | A                | FRESH  | F | -   | - | - | - | -         | -  | - | -  | -  | -  | Compent line to medium grained dolomite  |
| KUTh | SEL 26/2005 | Frankford | 187.5  | 188.06  |     |  | OP  |  | W                |        | - | 30  | - | - | - | Zeolite   | <5 | S | -  | -  | -  | Small fault along sub mm thick zeolite filled vein - very straight - dipping steeply around 86 degrees. Core broken into blocks.   |
| KUTh | SEL 26/2005 | Frankford | 188.06 | 189.74 JDI - Jurassic Dolomite                                | JDD |  | OP  |  | A                | FRESH  | F | -   | - | - | - | -         | -  | - | -  | -  | -  | Compent line to medium grained dolomite.   |
| KUTh | SEL 26/2005 | Frankford | 189.74 | 190.14 JDI - Jurassic Dolomite                                | JDD |  | VFG |  | D                | FRESH  | F | <10 | - | - | - | -         | -  | - | -  | 80 | Chilled margin   | Chilled margin within the dolomite becoming darker with decreasing crystal size to apatitic at contact and black at 194.19m.   |
| KUTh | SEL 26/2005 | Frankford | 190.14 | 190.47 Ru - Upper Parmeener Supergroup                        | MSU |  | HF  |  | O/B              | FRESH  | F | 40  | - | - | - | -         | -  | - | -  | 80 | Chilled margin   | Fe stained homfelsic mudstone - bedding horizontal.  |
| KUTh | SEL 26/2005 | Frankford | 190.47 | 191.9 Ru - Upper Parmeener Supergroup                         | MSU |  | HF  |  | O/B              | FRESH  | F | 40  | - | - | - | -         | -  | - | -  | -  | -  | Interbedded quartz sandstone and mudstones.  |
| KUTh | SEL 26/2005 | Frankford | 191.9  | 193.9 Ru - Upper Parmeener Supergroup/Jdi - Jurassic Dolomite | JDD |  | MSS |  | HF               | A/D/A2 | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Contact from grey horfelsic medium grained grey quartz sandstone into black aphanitic chilled dolomite margin becoming more crystalline towards 192.6m. - Dolomite very magnetic.  |
| KUTh | SEL 26/2005 | Frankford | 193.9  | 195 JDI - Jurassic Dolomite/Ru Upper Parmeener Supergroup     | JDD |  | MSU |  | HF               | A2/D/A | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Very fine grained dolomite becoming black and aphanitic at contact (194.2m) to horfelsic aureole extending approx 10cm from contact. Fine grained cross-bedded grey silty sandstone grading into medium grained grey calcareous quartz sandstone. These units are interbedded. Some facies contain clay pellets which are typically well rounded and possibly imbricated. Bed thickness variable but typically around 30cm or less. Carbonate present within the matrix of the sandstone.  |
| KUTh | SEL 26/2005 | Frankford | 195    | 204.67 Ru - Upper Parmeener Supergroup                        | MSS |  | MSU |  | MA               | Y      | F | 0   | - | - | - | -         | -  | - | -  | 80 | MT   | Grey mudstone grading into dominantly light grey to orange brown medium grained sandstones with subordinate orange brown mudstone becoming almost absent between 196.02 to 204.68m.  |
| KUTh | SEL 26/2005 | Frankford | 204.67 | 204.97 Ru - Upper Parmeener Supergroup                        | MSU |  | MA  |  | Interbed/OB/A/A2 | FRESH  | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Magnetite rich zones @ 199.53m and very strongly magnetic @199.61m, 200.43 and 200.9m. Magnetite within clay pellets stratiform. These zones are typically <1.5cm in thickness and bordered by aureoles of light grey medium grained quartz sandstone. Magnetite facies are typically black with discontinuous anastomosing mm to sub-mm scale dark bands and constitute <1% of this interval. Competence of core is moderately poor.  |
| KUTh | SEL 26/2005 | Frankford | 204.97 | 208.2 Ru - Upper Parmeener Supergroup                         | MSS |  | MA  |  | A1               | FRESH  | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Interbedded pink to brown to dark brown clay intracasts typically ~2cm thick up to 7cm thick. Irregularly spaced within grey to light grey medium grained sandstone. Doesn't fizz. beds sub-horizontal. Light grey massive medium grained quartz sandstone. Doesn't fizz.  |
| KUTh | SEL 26/2005 | Frankford | 208.2  | 230.9 Ru - Upper Parmeener Supergroup                         | MSS |  | MA  |  | -                | -      | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Becoming weakly magnetic around 208m and "spotted". Spots are disseminated, black and generally mm scale. Likely to be magnetite.  |
| KUTh | SEL 26/2005 | Frankford | 230.9  | 238.67 Ru - Upper Parmeener Supergroup                        | MSS |  | -   |  | A/A2/D           | -      | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Magnetite altered medium grained light grey/grey/black sandstone with dark brown to black clay pellets and mudstone intracasts. Mudstones are significantly more magnetic than the sandstones. Magnetite alteration starts as disseminated @207m becoming pervasive within the mudstones @208.9m. Mudstone intracasts are laminated with zones of cross bedding. The sandstone is clast supported quartz sandstone with minor to absent carbonate cement/matrix. 211.76m anastomosing magnetite staining within the quartz sandstone dipping >40degrees. Sandstone bedding is generally sub-horizontal compared to the staining. Pervasive alteration between 217.99 to 219.05m within medium grained sandstone. Core competence moderate to poor with breaks typically every 33cm or less. 219.2m sandstone grading from pervasive magnetite alteration to disseminated alteration becoming weaker to no alteration @ 229.3m. Biotite common. |
| KUTh | SEL 26/2005 | Frankford | 238.67 | 242.52 Ru - Upper Parmeener Supergroup                        | MSS |  | -   |  | O/B/O1/B1        | -      | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Finely laminated to massive medium grained grey quartz with subordinate dark grey to black interbeds. Bedding sub-horizontal with very minor carbonate within the matrix.  |
| KUTh | SEL 26/2005 | Frankford | 238.67 | 242.52 Ru - Upper Parmeener Supergroup                        | MSS |  | -   |  | O/B/O1/B1        | -      | F | 0   | - | - | - | -         | -  | - | -  | -  | -  | Dominantly orange brown to very pale orange brown medium grained quartz sandstone with subordinate to minor orange yellow brown lute. Disseminated pyroclastic/manganese within orange sandstone sequences.  |

|      |             |           |        |        |                                 |     |   |       |   |         |   |   |   |   |   |   |  |
|------|-------------|-----------|--------|--------|---------------------------------|-----|---|-------|---|---------|---|---|---|---|---|---|--|
| KUTh | SEL 26/2005 | Frankford | 242.52 | 243.22 | Ru - Upper Parmeener Supergroup | MSS | - | LA    | - | A:O/Y:B | - | F | - | - | - | - | Interbedded subordinate gray to orange/yellow/brown medium grained sub-horizontal sandstone with green gray to red brown subhorizontal mudstone. Units cm scale or less. Minor pyrolusite/manganese.     |
| KUTh | SEL 26/2005 | Frankford | 243.22 | 251.9  | Ru - Upper Parmeener Supergroup | MSS | - | LA:MA | - | O:Y:B   | - | - | - | - | - | - | Orange yellow brown medium grained quartz sandstone - sub-horizontal with moderate competence. Common biolite "spots" or fossilizations typically cm scale throughout interval. Pyrolusite as accessory. |
|      |             |           |        | ECH    |                                 |     |   |       |   |         |   |   |   |   |   |   |  |



## Hole ID: Kingston

### Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Kingston | GDA94 | 547,791              | 5,383,093             | 287                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 90.5   | 18/01/2008 | 21/01/2008  | Gerald Spalding Drilling |
| HQ core | 90.5     | 235.4  | 05/03/2008 | 12/03/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID  | Rig   | mFrom  | mTo    | Formation               | Rock1 | Rock2_Qual | Rock1_Qual | Rock2 | Colour  | Regolith | Reg_Qual | Shear | Sulph+ Ore_% re_Type | Sulph+O re_Type | Vn_Type   | Vn_%   | Vn_Qual | Int_Alt | Alt_Type | Alt_Qual | Description   |  |
|---------|-------------|----------|-------|--------|--------|-------------------------|-------|------------|------------|-------|---------|----------|----------|-------|----------------------|-----------------|-----------|--------|---------|---------|----------|----------|---|--|
| KUTH    | SEL 26/2005 | Kingston | RC    | 0      | 3      | JDI - Jurassic dolerite | JDD   | -          | LCYLGR     | -     | G/B/OR  | SOIL/SAP | F        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Moderately weathered Fe stained dolerite mixed with <20% doleritic clay   |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 3      | 6      | JDI - Jurassic dolerite | JDD   | -          | LGR        | -     | G/B/OR  | SAP      | F        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Moderately weathered Fe stained dolerite mixed very minor doleritic clay <2%  |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 6      | 18     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | G/B/O   | SAPRK    | F        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | As above with <1% clay. Interpreted as lightly weathered dolerite with minor Fe staining as an artefact of near surface jointing.   |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 18     | 24     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | A2/B    | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Very weak Fe stained (associated with jointing/minor fractures) ophitic dolerite  |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 24     | 36     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | A2/B    | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Grey fresh dolerite with very minor Fe staining associated with jointing/ small fractures.  |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 36     | 39     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | A2      | FRESH    | -        | -     | -                    | -               | -         | QB     | <2      | -       | -        | -        | Fresh medium grained ophitic dolerite with very minor quartz/carbonate veining.   |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 39     | 42     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | A2      | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Very minor (<1%) weathered gravel fragments within medium grained ophitic dolerite.   |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 42     | 51     | JDI - Jurassic dolerite | JDD   | -          | LGR/LCY    | -     | A2/B/OR | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | 10       | CH       | SSD   | Small amount of weathered dolerite clay (<5%) within fresh ophitic dolerite. Interpreted as a small fault. |
| KUTH    | SEL 26/2005 | Kingston | RC    | 51     | 66     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Grey medium grained dolerite with very minor Fe staining associated with minor joints.  |  |
| KUTH    | SEL 26/2005 | Kingston | RC    | 66     | 90     | JDI - Jurassic dolerite | JDD   | -          | G          | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Grey/grey-brown medium grained ophitic dolerite with occasional weathered dolerite fragments associated with minor jointing/fractures. Chlorite alteration very minor.  |  |
|         |             |          |       |        |        | EOH                     |       |            |            |       |         |          |          |       |                      |                 |           |        |         |         |          |          |   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 90.65  | 93.9   | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Fracture running at 18degrees to horizontal at 93.9m. Dolerite medium to coarse grained.  |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 93.9   | 94.16  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 94.16  |        |                         |       | -          | -          | -     | W       |          | -        | -     | -                    | -               | -         | B      | 100     | W       | -        | -        | Sub mm carbonate vein at 73 degrees - almost wispy.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 94.16  | 99.75  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Jurassic dolerite - competent with no veins and unfractured. Medium to coarse grained and moderately magnetic.  |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 99.75  |        |                         |       | -          | -          | -     | W/G     |          | -        | -     | -                    | -               | -         | Talc/L | -       | -       | -        | -        | talc vein with biotite selvage at ~ 1cm from centre of vein <0.5mm wide. Talc vein ~1mm wide (apparent thickness).  |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 99.75  | 102.3  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 102.3  |        |                         |       | -          | -          | -     | D       |          | -        | -     | -                    | Py              | L         | 95     | S       | -       | -        | -        | 1.5mm (true thickness) biotite vein at an angle of 86 degrees with stratabound disseminated pyrite. Within this there is a tiny amount of ?talc (white and soft) at the biotite veins centre. Talc is patchy in distribution.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 102.3  | 112.45 | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | Talc/L    | <1     | D/S     | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic with increasing proportion of very fine "hair-like" diffuse biotite/talc veins running along a common dip of sub vertical to ~86 degrees. Fe selvage staining of the dolerite associated with veins at 112m. |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 112.45 | 119.44 | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 119.44 |        |                         |       | -          | -          | -     |         |          | -        | -     | -                    | -               | Talc/B    | <5     | S/A     | 10      | CH       | VP       | Talc/carbonate vein with minor biotite. Fe stained selvage to 6mm either side of vein. Minor chlorite alteration on vein face. Dipping ~40 degrees to horizontal.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 119.44 | 120.5  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 120.5  |        |                         |       | -          | -          | -     |         |          | -        | -     | -                    | -               | L/B       | <0.5   | S       | -       | -        | -        | mm scale biotite vein with very minor zoelite. Zoelite occurring as selvage. Dipping 64 degrees.  |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 120.5  | 122.8  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | L         | <0.5   | A/S     | -       | -        | -        | Coherent medium coarse grained dolerite with very minor anastomosing sub 0.5mm scale biotite vein approximately sub-vertical.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 122.8  | 127.34 | JDI - Jurassic dolerite | JDD   | -          | FR/MG/CG   | -     | G/B/W   | FRESH    | -        | -     | -                    | -               | B/Zoelite | ~1     | S       | -       | -        | -        | ~5mm vertical/sub-vertical zoelite/talc/carbonate filled vein. Fe selvage out to approx 4cm either side of vein. ?minor fault   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 127.34 | 131    | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 131    | 132.42 |                         |       | -          | -          | -     |         |          | -        | -     | -                    | -               | B/Talc    | ~1     | S       | -       | -        | -        | Vein/fault as above at 122.8 to 127.34m. Vein up to 1.5cm thick and sub-vertical.   |  |
| KUTH    | SEL 26/2005 | Kingston | DD-HQ | 132.42 | 174.7  | JDI - Jurassic dolerite | JDD   | -          | MG/CG      | -     | G/B     | FRESH    | -        | -     | -                    | -               | -         | -      | -       | -       | -        | -        | Competent medium to coarse grained dolerite. Moderately magnetic.   |  |

[illegible]





## Hole ID: Leake

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Leake   | GDA94 | 568,510              | 5,338,586             | 475                | Vertical | No     |

#GPS

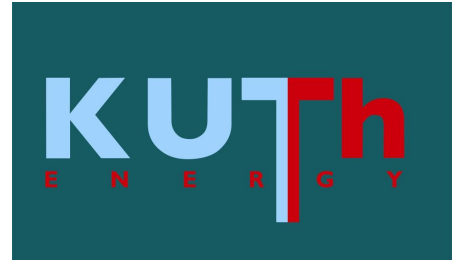
| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 150    | 30/10/2007 | 01/11/2007  | Gerald Spalding Drilling |
| HQ core | 150      | 300.4  | 27/11/2007 | 04/12/2007  | Gerald Spalding Drilling |











## Hole ID: Lemont

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Lemont  | GDA94 | 547,437              | 5,322,898             | 333                | Vertical | No     |

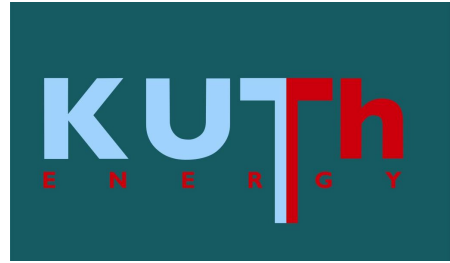
#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 96     | 19/12/2007 | 18/01/2008  | Gerald Spalding Drilling |
| HQ core | 96       | 246.2  | 05/03/2008 | 17/03/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole ID | Rig   | mFrom  | mTo    | Formation                        | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour  | Regolith  | Req. Qual | Shear | Sulph+ Ore_% | Sulph+ Ore_Type | Vn_Type | Vn_% | Vn_Qual | Int_L | Alt_Type | Alt_Qual | Description   |
|---------|-------------|---------|-------|--------|--------|----------------------------------|-------|-------|------------|------------|---------|-----------|-----------|-------|--------------|-----------------|---------|------|---------|-------|----------|----------|---|
| KUTH    | SEL 26/2005 | Lemont  | RC    | 0      | 3      | JDI - Jurassic dolerite          | JDD   | -     |            |            | Y/B     | Clay soil | F.W       | -     | -            | -               | -       | -    | -       | -     | -        | -        | Yellow brown doleritic clay with minor weathered dolerite   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 3      | 6      | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | USAP      | F.W       | -     | -            | -               | -       | -    | -       | -     | -        | -        | Orangey brown and dark blue brown coarse angular sandy dolerite. Mottled and heavily weathered.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 6      | 9      | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above with fragment range increasing ie coarse sand to gravelly clayey doleritic fragments.  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 9      | 12     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 12     | 15     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 15     | 18     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 18     | 21     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above with increase in proportion of weathered fragments and increase in coarse sandy fragments.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 21     | 24     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Predominantly ferruginous dolerite.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 24     | 27     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 27     | 30     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 30     | 33     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 33     | 36     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A/OB  | SAP       |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 36     | 39     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Dolerite with a lower proportion of ferruginisation - becoming increasingly fresh and less oxidised.  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 39     | 42     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 42     | 45     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Fresh fine grained dolerite coarse sandy fragments with very minor ferruginisation.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 45     | 48     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above with increasing proportion of ferruginisation - possible fracture.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 48     | 51     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above with increasing proportion of coarser fragments.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 51     | 54     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Fresh dolerite  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 54     | 57     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 57     | 60     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 60     | 63     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 63     | 66     | JDI - Jurassic dolerite          | JDD   | SST   |            |            | G/Y/B/L | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Contact zone b/w dolerite and quartz sandstone horifels. Possible minor quartz carbonate veining.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 66     | 69     | Ru - Upper Parmeener Super Group | SST   | -     |            |            | Y/O/A   | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Grey sandstone horifels.  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 69     | 72     | Ru - Upper Parmeener Super Group | SST   | -     |            |            | Y/O/A   | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 72     | 75     | Ru - Upper Parmeener Super Group | SST   | -     |            |            | Y/O/A   | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | As above.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 75     | 78     | Ru - Upper Parmeener Super Group | SST   | -     |            |            | Y/O/A   | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | sandstone with minor chlorite and sericite.   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 78     | 81     | Ru - Upper Parmeener Super Group | SST   | -     |            |            | A/O/B   | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Sandstone with increasing fragments of hornfelsic sandstone   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 81     | 84     | Ru - Upper Parmeener Super Group | SST   | JDD   |            |            | JDD     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Contact zone b/w dolerite and quartz sandstone horifels.  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 84     | 87     | JDI - Jurassic dolerite          | JDD   | SST   |            |            | L/D     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Minor hornfelsic sandstone fragments amongst fine grained dolerite  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 87     | 90     | JDI - Jurassic dolerite          | JDD   | -     |            |            | L/D     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Angular fine grained dolerite   |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 90     | 93     | JDI - Jurassic dolerite          | JDD   | -     |            |            | -       | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Missing Sample  |
| KUTH    | SEL 26/2005 | Lemont  | RC    | 93     | 96     | JDI - Jurassic dolerite          | JDD   | -     |            |            | U/A     | FRESH     |           | -     | -            | -               | -       | -    | -       | -     | -        | -        | Fresh fine grained dolerite   |
| EOH     |             |         |       |        |        |                                  |       |       |            |            |         |           |           |       |              |                 |         |      |         |       |          |          |   |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 96.2   | 98.69  | JDI - Jurassic dolerite          | JDD   |       | FG         |            | A2      | FRESH     |           |       |              |                 | B       | 2    | A       |       | CH       |          | Fresh, fine grained dark grey dolerite with sub-parallel anastomosing carbonate veining; viens between 3-15cm long. Veins are less than 0.5cm wide and have a light green tinge (most likely chlorite)  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 98.69  | 98.79  | JDI - Jurassic dolerite          | JDD   |       | FG         | Ineq.      |         |           |           |       |              |                 |         |      |         |       |          |          | Whitish, greenish, pink brown carbonate (infill?) / (Vein?) / (clast?) with inequigrular crystals (grains?) between 0.5mm - 1cm, vuggy? Calcite? Biotite in patches/around edges, surrounded by 2-4cm eq. 50/50 black and white dolite-looking alteration with minor calcite clasts ~0.5cm in outer 10cm periphery. |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 98.79  | 99.07  | JDI - Jurassic dolerite          | JDD   |       | FG         |            |         | W/G/B     | FRESH     |       |              |                 | C       | 1    |         |       |          |          | Fine grained dolerite with 1% sub-horizontal calcite veins (<0.5mm wide)  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 99.07  | 99.4   | JDI - Jurassic dolerite          | JDD   |       | FG         |            |         |           |           |       |              |                 |         |      |         |       |          |          | Whitish-greenish-pinkish brown carbonate vein(?) vug? / infill (similar to unit 98.69-98.79) but only in top 3cm in one side of the core. Core broken sub-horizontally 4 times. Alteration halo between 2-5cm. Given large crystal size in halo, looks like a heat phenomenon or vuggy.)                            |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 99.4   | 101    | JDI - Jurassic dolerite          | JDD   |       | FG         |            | D       |           |           |       |              |                 | C       | 1    |         |       |          |          | Fine grained dolerite with 1% carbonate veins (~1mm wide) with no preferred orientation. 6 sub-horizontal fractures are present between 6 and 30cm apart  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 101    | 101.54 | JDI - Jurassic dolerite          | JDD   |       | VFG        |            | AY      |           |           |       |              |                 |         |      |         |       |          |          | Large very fine-grained inclusion surrounded by 1-5cm biotite-speckled (50%) rim, diagonal to bedding. (inclusion: dolerite? Sillstone? softer than surrounding JDD) Yellowish-grey in colour   |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 101.54 | 110.1  | JDI - Jurassic dolerite          | JDD   |       | FG/MG      |            | A2      |           |           |       |              |                 | B/C     | <5   |         |       |          |          | FG increasing to MG JDD. 10% fractured with less than 5% carbonate veins between 2mm - 1cm wide.  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 110.1  | 123.5  | JDI - Jurassic dolerite          | JDD   |       | MG/G       |            | A2      |           |           |       |              |                 | C       | <1   |         |       |          |          | MG - mildly coarsening dolerite with <1% fracturing, minor veining (<1%), 1 calcite vein 1cm wide   |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 123.5  | 124    | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2      |           |           |       |              |                 | C       |      |         |       |          |          | Fractured (20%) MG dolerite (30% Fs Xsals), veins <1mm width (% not recorded)   |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 124    | 134    | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2      |           |           |       |              |                 | C/B     | <1   |         |       |          |          | MG dolerite, 10% fracturing, <1% carbonate veins between 2mm-1cm wide   |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 134    | 136    | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2      |           |           |       |              |                 | C/B     | <2   |         |       |          |          | MG dolerite, 30% fractured, signs of surface weathering, <2% veining (carbonate)  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 136    | 148.3  | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2/G    |           |           |       |              |                 |         |      |         |       |          |          | Relatively cohesive MG dolerite (5% fracturing) with 1% carbonate veins, 1-5mm wide, some chlorite/epidote alteration (1 cleavage within green crystals)  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 148.3  | 165    | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2/G    |           |           |       |              |                 |         |      |         |       |          |          | Highly fractured and weathered (30-40%) MG dolerite. Fractures commonly occur along mostly-declining, 1-2cm wide, sub-parallel, carbonate veins which display some chlorite alteration  |
| KUTH    | SEL 26/2005 | Lemont  | DD-HQ | 165    | 178.6  | JDI - Jurassic dolerite          | JDD   |       | MG         |            | A2      |           |           |       |              |                 |         |      |         |       |          |          | MG dolerite, 10% fracturing with fractures occurring between 3-20cm apart and mostly at 45°a, <1% carbonate veining   |







## Hole ID: Macquarie

### Hole Summary:

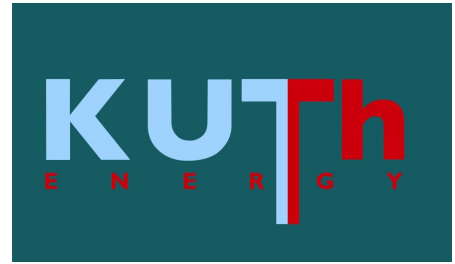
| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Macquarie | GDA94 | 526,048              | 5,359,621             | 295                | Vertical | No     |

#GDA

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102.5  | 01/04/2008 | 02/04/2008  | Gerald Spalding Drilling |
| HQ core | 102.5    | 223.7  | 14/04/2008 | 21/04/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID   | mFrom  | mTo    | Formation                       | Rock1 | Rock2 | Rock1_Qu<br>al | Rock2_Qu<br>al     | Colour      | Regolit<br>h | Reg_Qu<br>al | Shear | Sulph+Ore<br>% | Sulph+Ore<br>Type | Vn_Type                     | Vn_ % | Vn_Qu<br>al | Int_Qu<br>al | Alt_Type | Alt_Qu<br>al | Description  |
|---------|-------------|-----------|--------|--------|---------------------------------|-------|-------|----------------|--------------------|-------------|--------------|--------------|-------|----------------|-------------------|-----------------------------|-------|-------------|--------------|----------|--------------|--|
| KUTH    | SEL 26/2005 | Macquarie | 102    | 109.6  | Ru - Upper Parmeener Supergroup | SQ    | SFE   | CG, WQ         | MG-CG, WY-O-B / Q2 |             |              |              | 0     | 0              | C                 | 1-2%                        | L? S? |             |              |          |              | Weathered, coarse grained, sandy yellow-orange, equigranular quartz sandstone with minor patches of dark grey lithic (?) ferruginous(?) sandstone (patches: 2cm wide and 30-50cm apart). Coarse-grain (1-3mm) disseminated flecks of soft, brown-black, altered (?) inclusions(?) (biotite?); regular bands of biotite occurring 0.5-2mm apart (bedding?) Cross bedding seems apparent although a little difficult to tell with coarse grains; within first 60 cm, large (5cm diam) sub-rounded iron stained, brown-black-red inclusion. Core is severely fractured ~80%, remnants of carbonate veining along fracture planes (1-2%) occasional patches of water staining. |
| KUTH    | SEL 26/2005 | Macquarie | 109.6  | 110.23 | Ru - Upper Parmeener Supergroup | SQ    |       | FG-MG          |                    | DB/C-Y      |              |              | 0     | 0              | CLAY              | <1                          |       |             |              | CY?      |              | Deeply weathered and strongly stock-work fractured (~40%) FGMG feldspathic? sandstone with 1 mm red-brown clay fracture-fill; Coarse-grain (1-3mm) disseminated flecks of soft, brown-black, altered (?) inclusions(?) (biotite?) (as above); Fine laminated layers of (muscovite ? - silvery opaque sheen)  |
| KUTH    | SEL 26/2005 | Macquarie | 110.23 | 112    | Ru - Upper Parmeener Supergroup | SQ/SL |       | MG-VCG         |                    | W-B1-O1     | F            | 0            |       |                |                   |                             |       |             |              |          |              | Inequigranular MG-VCG quartz sandstone with 5-10% xenolithic inclusions: sub-rounded - elongated, 0.5cm-3.5cm diameter / width, mainly light brown and dark brown, soft clay. Inclusions appear to be oriented ~30degrees to bedding; 10-15% fracturing (across core), well lithified 30-40% core intact.  |
| KUTH    | SEL 26/2005 | Macquarie | 112    | 12.35  | Ru - Upper Parmeener Supergroup | SQ    | SFE   | CG, WQ         | MG-CG, WY-O-B / Q2 |             |              |              | 0     | 0              | C                 | 1-2%                        | L? S? |             |              |          | BI? CY?      | Weathered, coarse grained, sandy yellow-orange, equigranular quartz sandstone with minor patches of dark grey lithic (?) ferruginous(?) sandstone (patches: 2.5cm wide and 30-50cm apart). Coarse-grain (1-3mm) disseminated flecks of soft, brown-black, altered (?) inclusions(?) (biotite?); regular bands of biotite occurring 0.5-2mm apart (bedding?) Cross bedding seems apparent although a little difficult to tell with coarse grains; Core is severely fractured ~20% coherent core, remnants of carbonate veining along fracture planes (1-2%) occasional patches of slight water staining. (Similar to unit at 102 - 109.6M)                                  |
| KUTH    | SEL 26/2005 | Macquarie | 12.35  | 113.6  | Ru - Upper Parmeener Supergroup |       |       |                |                    |             |              |              |       |                |                   |                             |       |             |              |          |              | *SAND CORE LOSS*   |
| KUTH    | SEL 26/2005 | Macquarie | 113.6  | 118.7  | Ru - Upper Parmeener Supergroup | SQ    |       | CG             |                    | Y-O-B / Q2  | ?            | ?            | 0     |                |                   |                             |       |             |              |          |              | Weathered / oxidised yellow-orange light brown quartz sandstone with 10% coarse, disseminated, dark-brown, possibly altered mineral (Hardness 4 - maybe biotite?); patches of fine lamination (0.5-1mm wide) and 1-10mm apart (2 patches ~10-15 cm thick), dark brown and soft (clay?); <1% iron-rich clay blebs (oxidised) sub-rounded-subangular 1-4cm; <1% muscovite flecks (<1mm); 10-20% of core intact.  |
| KUTH    | SEL 26/2005 | Macquarie | 118.7  | 120.27 | Ru - Upper Parmeener Supergroup | SQ/SF | SQ/SF | FG / WQ        | VFG (mud)          | Y-B2        | ?            | ?            | 0     | 0              | ?                 | Type unW, soft, no reaction |       |             |              |          |              | Fine grained sandstone (quartz? feldspathic?) with 2 coarse mud inclusions (~5cm thick). Core 75% intact; dark brown-black speckled texture (seen on cross-section but not on core surface) comprising varying percentages - 10-60% of core, speckles are soft and sub-rounded (uncertain if inclusions or alterations)  |
| KUTH    | SEL 26/2005 | Macquarie | 120.27 | 121.9  | Ru - Upper Parmeener Supergroup | SQ    |       | WQ, MG-FG      |                    | Y-B-O/D     |              | 0            | <1    | Py             |                   |                             |       |             |              |          |              | Weathered, MG-FG quartz sandstone with bands of brown-black speckled (clay? Biotite?) texture as in above units; core 35-40% intact, very crumbly/muddy.   |
| KUTH    | SEL 26/2005 | Macquarie | 121.9  | 122.8  | Ru - Upper Parmeener Supergroup | SQ    |       | WQ, CG, MA     |                    | B-O         |              |              |       |                | C                 | A                           |       |             |              |          |              | Darkest brown- orange weathered, well lithified, CG sandstone with 1-2% anastomising calcite veing; veins 0.5mm-0.75mm wide and angular, core 40% intact   |
| KUTH    | SEL 26/2005 | Macquarie | 122.8  | 123.7  | Ru - Upper Parmeener Supergroup |       |       |                |                    |             |              |              |       |                |                   |                             |       |             |              |          |              | *1M CORE LOSS*   |
| KUTH    | SEL 26/2005 | Macquarie | 123.7  | 123.9  | Ru - Upper Parmeener Supergroup | SQ    |       | WQ,CG,MA       |                    | W/G,B1      |              |              |       |                |                   |                             |       |             |              |          |              | Well lithified, whitish brown-grey equigranular sandstone, 30% core intact.  |
| KUTH    | SEL 26/2005 | Macquarie | 123.9  | 125.4  | Ru - Upper Parmeener Supergroup | SF    |       | WQ,FG,MG       |                    | Y-B         |              |              |       |                |                   |                             |       |             |              |          |              | Well lithified, F-MG weathered sandstone with minor Fe-stained clasts (<1%) 1 cm wide, core 95% intact   |
| KUTH    | SEL 26/2005 | Macquarie | 125.4  | 126.5  | Ru - Upper Parmeener Supergroup | SQ/SF |       | CG             |                    | Y-O-B/D     |              |              |       |                |                   |                             |       |             |              |          |              | Coarse-grained weathered sandstone with large (2-6cm) clasts (clay, SQ) elongated, horizontal to core (2%) and minor beds of varying grain size, core 90% intact.  |
| KUTH    | SEL 26/2005 | Macquarie | 126.5  | 126    | Ru - Upper Parmeener Supergroup | SQ/SF |       | WQ, CG, MA     |                    | YOB         |              |              |       |                |                   |                             |       |             |              |          |              | Well-lithified, coarse-grained and weathered equigranular sandstone with sub-horizontal bedding and 90% core intact.   |
| KUTH    | SEL 26/2005 | Macquarie | 126    | 126.7  | Ru - Upper Parmeener Supergroup |       |       |                |                    |             |              |              |       |                |                   |                             |       |             |              |          |              | *0.7 SAND CORE LOSS*   |
| KUTH    | SEL 26/2005 | Macquarie | 126.7  | 130.7  | Ru - Upper Parmeener Supergroup | SQ/SF | SQ    | CG-MG          |                    | Y-O-B/A2    |              |              |       |                |                   |                             |       |             |              |          |              | Well lithified, weathered sandstone with patches of VCG, grey-white sandstone sub-horizontal bedding; large Fe-stained blebs (3-4cm) present at 130.3, core 70% intact, breaks are perpendicular to core   |
| KUTH    | SEL 26/2005 | Macquarie | 130.7  | 136.6  | Ru - Upper Parmeener Supergroup | SF    | SQ    | VFG            | CG                 | W-WPY/O/GW  |              |              |       |                |                   |                             |       |             |              |          |              | Contact 30'a. Very fine grained feldspathic sedimentary unit, poorly consolidated with interperses (10cm - ~1m apart) of well lithified sandstone. 50% core intact.  |
| KUTH    | SEL 26/2005 | Macquarie | 136.6  | 138.8  | Ru - Upper Parmeener Supergroup | Clay  |       | VFG            |                    | PBYG/WAY/D2 |              |              |       |                |                   |                             |       |             |              |          |              | Similar lithology to above with mononict, sub-angular, ferruginised clay clast inclusions. Lithology transitions into yellow-green clay bx and then into a yellow-grey-white clay and then a dark black-grey clay.   |
| KUTH    | SEL 26/2005 | Macquarie | 138.8  | 142.2  | Ru - Upper Parmeener Supergroup | SU    | ST    | VFG,MA         | VFG,MA             | D/A2        |              |              |       | <1             | Py                |                             |       |             |              |          |              | Pyritic shale mudstone, 40%, fractured in patches  |
| KUTH    | SEL 26/2005 | Macquarie | 142.2  | 147.7  | Ru - Upper Parmeener Supergroup | ST    |       | FG             |                    | D/A2        |              |              |       | Py             | C                 | <1                          | S     |             |              |          |              | Moderately fractured (~50%) pyritic shale featuring soft-sediment deformation on mm-cm scale, 5mm wide, sub-horizontal calcite veins (20cm) with large associated blebs of pyrite, 2-5% cm-sized clay xenoliths.   |
| KUTH    | SEL 26/2005 | Macquarie | 147.7  | 151.1  | Ru - Upper Parmeener Supergroup | ST    |       | VFG            |                    | DA1-W       |              |              |       | Py             | C                 | 2                           | S     |             |              |          |              | Dark pyritic shale interspersed with 2 x 0.5m-1m beds of lighter grey, soft sediment deformed conglomerates, pyrite clasts throughout both lithologies ranging from 1mm-4cm anhedral clusters; veins are sub parallel to bedding ~5mm wide, core relatively intact, ~10% fracturing, generally split along the core.   |
| KUTH    | SEL 26/2005 | Macquarie | 151.1  | 164.5  | Ru - Upper Parmeener Supergroup | ST    |       | VFG            |                    | D2-A2       |              |              |       | Py             | C                 | 1                           | S     |             |              |          |              | Coherent dark pyritic shale with mm-cm scale soft sediment deformation and <1% calcite veins (5mm wide); pyrite clusters/blebs also associated with veins  |
| KUTH    | SEL 26/2005 | Macquarie | 164.5  | 166.5  | Ru - Upper Parmeener Supergroup | ST    |       | VFG            |                    | D2-A2       |              |              |       | Py             | C                 | <1                          | S     |             |              |          |              | 50-60% fracture zone in dark cohesive pyritic shale. Calcite veins 0.5mm-1cm wide - pyrite associated with veins, soft sediment deformation, <1% intra-clasts, fractures in varying orientations.  |
| KUTH    | SEL 26/2005 | Macquarie | 166.5  | 174.7  | Ru - Upper Parmeener Supergroup | ST    |       | VFG            |                    | D2A2-W-A    |              |              |       | Py             | C                 | <1                          | S     |             |              |          |              | Dark soft sediment deformation shale with 10-15% clasts: angular - sub-rounded 0.5cm-2.5cm. Composed of medium and coarse-grained clasts, fine-grained clasts and pyrite clasts. <0.5cm calcite veins - pyrite associated. Relatively compliant core 2-5% fractured, lighter grey-white towards end of unit.   |
| KUTH    | SEL 26/2005 | Macquarie | 174.7  | 176.2  | Ru - Upper Parmeener Supergroup | ST    |       | VFG            |                    | D2/A2       |              |              |       | Py             | C                 | 20                          | S     |             |              |          |              | Dark soft sediment deformed pyritic shale, highly fractured (40%) large 2-3cm wide calcite veins (associated pyrite) calcite xstals - cm scale. (appears to be waterzone - a little muddy in fractures)  |





## Hole ID: Marion

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Marion  | GDA94 | 568,645              | 5,260,030             | 81                 | Vertical | No     |

# GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 09/06/2008 | 12/06/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 251.6  | 02/07/2008 |             | Gerald Spalding Drilling |



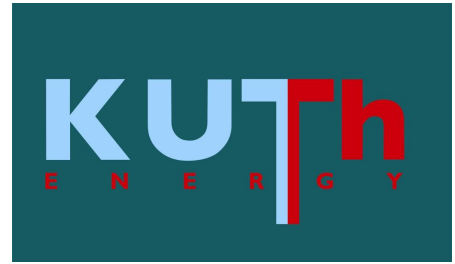
Hole ID: Murdunna

Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Murdunna | GDA94 | 573,413              | 5,242,021             | 139                | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 102.4  | 17/06/2008 | 19/06/2008  | Gerald Spalding Drilling |



## Hole ID: Native Hut

### Hole Summary:

| Hole ID    | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|------------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Native Hut | GDA94 | 530,061              | 5,284,634             | 378                | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 102    | 25/06/2008 | 26/06/2008  | Gerald Spalding Drilling |



## Hole ID: Nicholas

### Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Nicholas | AGD66 | 587,849              | 5,401,256             | 398                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| HQ core | 0        | 249.7  | 22/04/2008 | 05/05/2008  | Gerald Spalding Drilling |



## Hole ID: Nunamara

### Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Nunamara | GDA94 | 528,262              | 5,415,737             | 727                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 60     | 16/05/2008 | 21/05/2008  | Gerald Spalding Drilling |
| HQ core | 60       | 249.7  | 26/05/2008 | 02/06/2008  | Gerald Spalding Drilling |



| DataSet | Prospect     | Hole_ID  | Rig | mFrom | mTo | Formation                  | Rock1 | Rock2  | Rock1_Qual | Rock2_Qual | Colour    | Regolith   | Reg_Qual | Sulph+ Ore_% | Sulph+ Ore_Type | Vn_Type | Vn_% | Vn_Qual | Int_Alt | Alt_Type | Alt_Qual | Description   |
|---------|--------------|----------|-----|-------|-----|----------------------------|-------|--------|------------|------------|-----------|------------|----------|--------------|-----------------|---------|------|---------|---------|----------|----------|---|
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 0     |     | 3 Jdl - Jurassic Dolerite  | JDD   |        | LCY        | -          | B/O       | LSAP       | -        | -            | -               | -       | -    | -       | -       | -        | -        | Predominantly strongly Fe rich orange doleritic clay with minor sericite and sparse strongly weathered dolerite fragments.  |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 3     |     | 6 Jdl - Jurassic Dolerite  | JDD   | -      | LCY        | -          | B/O       | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above.   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 6     |     | 9 Jdl - Jurassic Dolerite  | JDD   |        | LCY        | -          | B/O       | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above.   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 9     |     | 12 Jdl - Jurassic Dolerite | JDD   |        | LCY        | -          | B/O       | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above.   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 12    |     | 15 Jdl - Jurassic Dolerite | JDD   |        | LCY        | -          | B/O       | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above with fresh broken dolerite fragments subordinate to doleritic clay.  |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 15    |     | 18 Jdl - Jurassic Dolerite | JDD   |        | LCY        | -          | B/Y/O     | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above.   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 18    |     | 21 Jdl - Jurassic Dolerite | JDD   |        | LCY        | -          | B/Y/O     | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | Mottled doleritic clay and strongly weathered dolerite. Probably redox front.   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 21    |     | 27 Jdl - Jurassic Dolerite | JDD   |        | LCY        | -          | B/Y/O     | LSAP/SAPRK | -        | -            | -               | -       | -    | -       | -       | -        | -        | As above with paler less Fe staining and possible increase(?) in sericite.  |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 27    |     | 30 Jdl - Jurassic Dolerite | JDD   |        | LCY/LG#    | -          | A/B/O     | FRESH      | -        | -            | -               | -       | -    | -       | -       | -        | -        | Predominantly small dolerite fragments within weathered dolerite clay.  |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 30    |     | 42 Jdl - Jurassic Dolerite | JDD   |        | LGR        | -          | A/B/W     | FRESH      | -        | -            | -               | -       | -    | -       | -       | -        | -        | Medium grained dolerite with very minor biotite phenocrysts and sericite. Minor quartz/carbonate veins also present (<2%).  |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 42    |     | 51 Jdl - Jurassic Dolerite | JDD   |        | FRESH      | -          | A1/AW     | FRESH      | -        | -            | -               | -       | -    | -       | 10      | CH       | SP       | As above with a significant increase in quartz/carbonate/zeolite associated with veining/faulting (15 - 30%).   |
| KUTH    | TCZ- 26/2005 | Nunamura | RC  | 51    | EOH | 54 Jdl - Jurassic Dolerite | JDD   | ?R/SOT | FRESH      | LA         | A1/A/B1/O | FRESH      | -        | -            | -               | -       | -    | -       | -       | -        | -        | Predominantly medium grained ophitic dolerite intermixed with weathered Fe stained dolerite fragments associated with faulting/fractures. Sericite common. Anomalous quartz lithic fine grained sandstone clast within chip sample - of Parmeener origin. |

Geologist:



## Hole ID: Oatlands

### Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Oatlands | GDA94 | 530,498              | 5,320,450             | 559                | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 84     | 01/07/2008 | 03/07/2008  | Gerald Spalding Drilling |



Hole ID: Perth

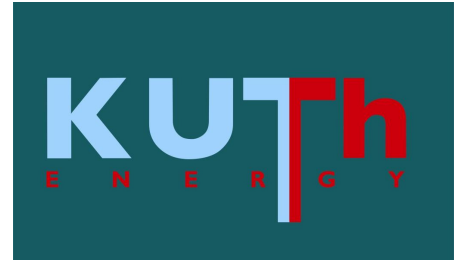
Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Perth   | GDA94 | 513,500              | 5,399,080             | 200                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 14/05/2008 | 15/05/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 252.7  | 20/05/2008 | 26/05/2008  | Gerald Spalding Drilling |

[illegible]



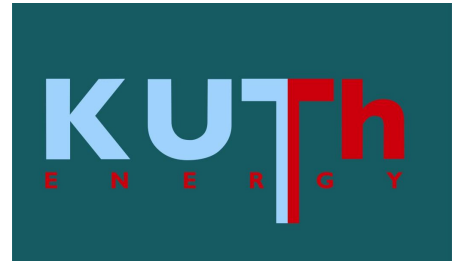
## Hole ID: Rheban

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Rheban  | GDA94 | 572,790              | 5,279,433             | 79                 | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 101.8  | 03/06/2008 | 05/06/2008  | Gerald Spalding Drilling |
| HQ core | 101.8    | 247    | 18/06/2008 | 01/07/2008  | Gerald Spalding Drilling |



## Hole ID: Runnymede

### Hole Summary:

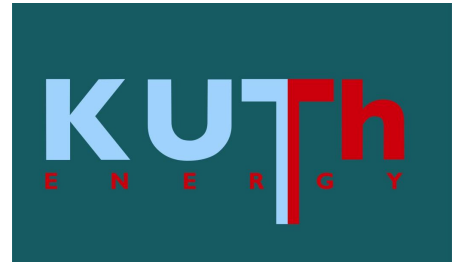
| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Runnymede | GDA94 | 546,175              | 5,280,238             | 247                | Vertical | No     |

#GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 85.3   | 06/06/2008 | 09/06/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID   | RIG | mFrom | mTo | Formation                       | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour | Regolith | Reg_Qual | Shear | Sulph+ Ore % | Sulph+ Ore Type | Vn_Type | Vn_% | Vn_Qual | Int_Alt_Type | Alt_Qual | Description   |
|---------|-------------|-----------|-----|-------|-----|---------------------------------|-------|-------|------------|------------|--------|----------|----------|-------|--------------|-----------------|---------|------|---------|--------------|----------|---|
| KUTH    | SEL 26/2005 | Runnymede | RC  | 0     | 3   | Ru - Upper Parmeener Supergroup | RSS   |       | S/MG       |            | B      | SOIL     | F        | 0     |              | -               | -       |      |         | -            | -        | Weathered and ferruginised medium grained quartz sandstone  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 3     | 6   | Ru - Upper Parmeener Supergroup | RSS   |       | MA/MG      |            | A1     | SAP      |          | 0     |              | -               | -       |      |         | -            | -        | Weakly weathered, with low clay content. Light grey quartz sandstone with minor black lithic constituent  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 6     | 9   | Ru - Upper Parmeener Supergroup | RSS   |       | MA/MG      |            | A1     | SAP      |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 9     | 12  | Ru - Upper Parmeener Supergroup | RSS   |       | MA/MG      |            | A1     | SAP      |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 12    | 15  | Ru - Upper Parmeener Supergroup | RSS   |       | MA/MG      |            | A1     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 15    | 18  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | Fine grained fresh unaltered dolerite   |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 18    | 21  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 21    | 24  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 24    | 27  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 27    | 30  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 30    | 33  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 33    | 36  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 36    | 39  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 39    | 42  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 42    | 45  | JDI - Jurassic Dolerite         | JDD   |       | FG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 45    | 48  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | Q       |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 48    | 51  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 51    | 54  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 54    | 57  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | Q       |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 57    | 60  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | Q       |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 60    | 63  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    |          | 0     |              | -               | B 5     |      |         | -            | -        | Quartz % increases dramatically, partly due to veining (?) and partly due to composition of the dolerite. |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 63    | 66  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2     | FRESH    | F 3-5    |       |              | -               | B <5    |      |         | -            | -        | Minor carbonate veining, with associated re-allocation. Possible minor shear.                             |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 66    | 69  | JDI - Jurassic Dolerite         | JDQ   |       | MG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | Quartz % increasing more. Approaching composition of a dacite.  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 69    | 72  | JDI - Jurassic Dolerite         | JDQ   |       | CG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 72    | 75  | JDI - Jurassic Dolerite         | JDQ   |       | CG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 75    | 78  | JDI - Jurassic Dolerite         | JDQ   |       | CG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 78    | 81  | JDI - Jurassic Dolerite         | JDQ   |       | CG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
| KUTH    | SEL 26/2005 | Runnymede | RC  | 81    | 84  | JDI - Jurassic Dolerite         | JDQ   |       | CG         |            | A2W    | FRESH    |          | 0     |              | -               | -       |      |         | -            | -        | As above  |
|         |             |           |     |       | EOH |                                 |       |       |            |            |        |          |          |       |              | -               | -       |      |         | -            | -        |   |

Geologist:



## Hole ID: Sloping

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Sloping | GDA94 | 552,365              | 5,236,613             | 156                | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 102    | 12/06/2008 | 16/06/2008  | Gerald Spalding Drilling |





## Hole ID: Snow Hill

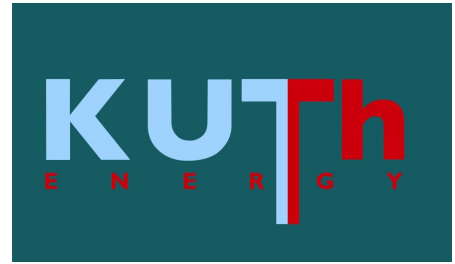
### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Snow Hill | GDA94 | 572,873              | 5,358,389             | 749                | Vertical | Yes    |

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 126    | 01/11/2007 | 07/11/2007  | Gerald Spalding Drilling |
| HQ core | 126      | 279.3  | 04/12/2007 | 07/12/2007  | Gerald Spalding Drilling |



[illegible]



Hole ID: Sorell

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Sorell  | GDA94 | 550,181              | 5,,260,122            | 50                 | Vertical | No     |

<sup>#</sup> GPS

| Type | From<br>(m) | To<br>(m) | Start Date | Finish Date | Company                  |
|------|-------------|-----------|------------|-------------|--------------------------|
| RC   | 0           | 102       | 23/06/2008 | 24/06/2008  | Gerald Spalding Drilling |



Hole ID: Swan1

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Swan1   | GDA94 | 586,856              | 5,362,471             | 444                | Vertical | No     |

#GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 15     | 07/11/2007 | 08/11/2007  | Gerald Spalding Drilling |



Hole ID: Swan2

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Swan2   | GDA94 | 588,108              | 5,359,271             | 126                | Vertical | No     |

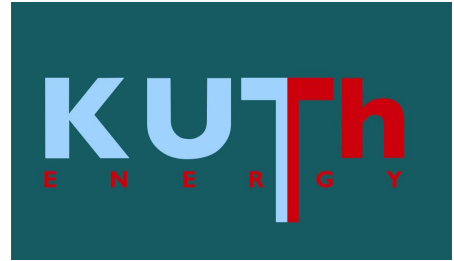
#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 150    | 09/11/2007 | 14/11/2007  | Gerald Spalding Drilling |
| HQ core | 150      | 300    | 13/12/2007 | 18/12/2007  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID | mFrom | mTo | Formation               | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour | Regolith | Req. Qual | Shear | Sulph+ Ore. % | Sulph+ Ore. Type | Vn_Type | Vn_ % | Vn_Qual | Alt_Type | Alt_Qual | Description  |
|---------|-------------|---------|-------|-----|-------------------------|-------|-------|------------|------------|--------|----------|-----------|-------|---------------|------------------|---------|-------|---------|----------|----------|--|
| KUTH    | SEL 26/2005 | Swan3   | 0     | 3   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A1/O1  | USAP     | F         | 0     | 0             | 0                | -       | -     | -       | -        | -        | Upper saprolite. Weathered insitu dolerite. Predominantly Light grey/pale orange doleritic clay intermixed with dolerite gravel fragments.   |
| KUTH    | SEL 26/2005 | Swan3   | 3     | 6   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | O      | LSAP     | F         | 0     | 0             | 0                | -       | -     | -       | -        | -        | Lower saprolite. Weathered insitu dolerite. Predominantly dolerite gravel fragments with lower proportion of orange doleritic clay.  |
| KUTH    | SEL 26/2005 | Swan3   | 6     | 9   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | SAPRK    | F         | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh dolerite comprising ~50%. The remaining 50% FeO weathered dolerite chips   |
| KUTH    | SEL 26/2005 | Swan3   | 9     | 12  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | SAPRK    | F         | 0     | 0             | 0                | -       | -     | -       | -        | -        | Weakly ferruginised dolerite saprock. Magnetite present - moderately magnetic  |
| KUTH    | SEL 26/2005 | Swan3   | 12    | 15  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | SAPRK    | F         | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above with increasing proportion of fresh dolerite  |
| KUTH    | SEL 26/2005 | Swan3   | 15    | 18  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh coherent dolerite containing moderate amount of magnetite.   |
| KUTH    | SEL 26/2005 | Swan3   | 18    | 21  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 21    | 24  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Weathered coherent dolerite ~50% intermixed with fresh unweathered dolerite  |
| KUTH    | SEL 26/2005 | Swan3   | 24    | 27  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh coherent dolerite containing moderate amount of magnetite.   |
| KUTH    | SEL 26/2005 | Swan3   | 27    | 30  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 30    | 33  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh coherent dolerite containing moderate amount of magnetite and minor amount of yellow/green sandy clay. Presumably micro fault.   |
| KUTH    | SEL 26/2005 | Swan3   | 33    | 36  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 36    | 39  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 39    | 42  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 42    | 45  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O    | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above - chips fining.   |
| KUTH    | SEL 26/2005 | Swan3   | 45    | 48  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 48    | 51  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 51    | 54  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh dolerite with minor FeO chips < 2%   |
| KUTH    | SEL 26/2005 | Swan3   | 54    | 57  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | Fresh coherent dolerite containing moderate amount of magnetite.   |
| KUTH    | SEL 26/2005 | Swan3   | 57    | 60  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 60    | 63  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 63    | 66  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 66    | 69  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 69    | 72  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 72    | 75  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 75    | 78  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 78    | 81  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 81    | 84  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 84    | 87  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 87    | 90  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 90    | 93  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 93    | 96  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 96    | 99  | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 99    | 102 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 102   | 105 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 105   | 108 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 108   | 111 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 111   | 114 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 114   | 117 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 117   | 120 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 120   | 123 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 123   | 126 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 126   | 129 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 129   | 132 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 132   | 135 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 135   | 138 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 138   | 141 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 141   | 144 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 144   | 147 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| KUTH    | SEL 26/2005 | Swan3   | 147   | 150 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A      | FRESH    |           | 0     | 0             | 0                | -       | -     | -       | -        | -        | As above   |
| EOH     |             |         |       |     |                         |       |       |            |            |        |          |           |       |               |                  |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Swan3   | 149.9 | 162 | Jdl - Jurassic Dolerite | JDD   |       | CG         |            | A2/A   | FRESH    |           |       |               |                  | Q       |       |         |          |          | fresh dolerite with 4 minor 1-3mm qz veins. about 30% pyroxene phenocrysts up to 1.5cm long in the dolerite.   |
| KUTH    | SEL 26/2005 | Swan3   | 162   | 163 | Jdl - Jurassic Dolerite | JDD   |       | CG         |            | A2/D   | FRESH    |           |       |               |                  |         |       |         |          |          | Pyx rich interval, at about 70-80%. Euhedral xls up to 1cm long. Light grey plagioclase groundmass.  |
| KUTH    | SEL 26/2005 | Swan3   | 163   | 165 | Jdl - Jurassic Dolerite | JDD   |       | CG         |            | A2/A/D | FRESH    |           |       |               |                  | B/Q     |       |         |          |          | Coarse grained dolerite, with pyroxene about 40%, xls up to 16mm long. 1 small (about 3mm wide) carbonate/qz vein with lenses of chlorite, and associated siderite. Vein creamy green in colour. |







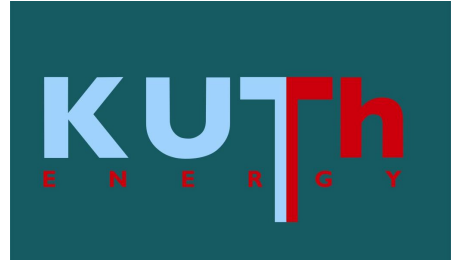
Hole ID: Swan3

Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Swan3   | GDA94 | 588,108              | 5,359,271             | 126                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 150    | 28/05/2008 | 29/05/2008  | Gerald Spalding Drilling |
| HQ core | 150      | 200    | 09/06/2008 | 12/06/2008  | Gerald Spalding Drilling |



## Hole ID: Temple

### Hole Summary:

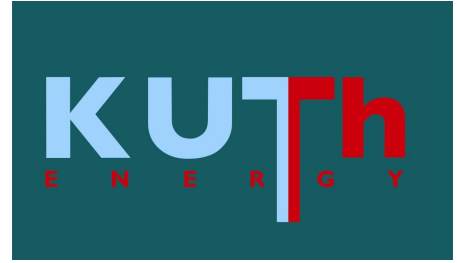
| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Temple  | GDA94 | 530,426              | 5,403,592             | 353                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 150    | 19/12/2007 | 24/12/2007  | Gerald Spalding Drilling |
| HQ core | 150      | 299    | 18/01/2008 | 25/01/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID    | mFrom | mTo | Formation                     | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour  | Regolith | Req. Qual | Shear | Sulph+ Ore_ % | Sulph+ re_Type | Vn_ % | Vn_Type | Vn_Qual | IntL Alt | Alt_Type | Alt_Qual | Description   |
|---------|-------------|------------|-------|-----|-------------------------------|-------|-------|------------|------------|---------|----------|-----------|-------|---------------|----------------|-------|---------|---------|----------|----------|----------|---|
| KUTH    | SEL 26/2005 | Temple Bar | 0     |     | 3 Jdl - Jurassic Dolerite     | JDD   |       |            |            | A2/O    | SAPRK    | F         |       |               |                |       |         |         |          |          |          | Mildly ferruginised and weathered dolerite. Sample is however dominated by fresh dolerite. Sample contains many Fe-oxidised, highly magnetic fragments.   |
| KUTH    | SEL 26/2005 | Temple Bar | 3     |     | 6 Jdl - Jurassic Dolerite     | JDD   |       |            |            | A2/G2/O | SAPRK    | F         |       |               |                |       |         |         |          |          |          | As above, with the introduction of a pale to light green coloured soft clay like mineral (sericite?).   |
| KUTH    | SEL 26/2005 | Temple Bar | 6     |     | 9 Jdl - Jurassic Dolerite     | JDD   |       |            |            |         | FRESH    |           |       |               |                |       |         |         |          |          |          | Sample becoming increasingly fresh, with little FE staining. White mineral (likely to be plag, but harness approx. 4-5?). Pale green mineral present - epidote? Coarse grained, with plag xls up to 0.7mm.  |
| KUTH    | SEL 26/2005 | Temple Bar | 9     |     | 15 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/W/O  | FRESH    |           |       |               |                |       |         |         | 7        | CY       | U        | Increased abundance of clay mineral - white to pale green. Magnetic Fe-oxides not prevalent. Fe staining common throughout interval.  |
| KUTH    | SEL 26/2005 | Temple Bar | 15    |     | 18 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A1/W/A2 | FRESH    |           |       |               |                |       |         |         | 12       | CY       | U        | Interval dominated by clay-rich aggregates. Aggregates host Fe-oxidised veinlets. Very low proportion on magnetic minerals.   |
| KUTH    | SEL 26/2005 | Temple Bar | 18    |     | 24 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/G1   | FRESH    |           |       |               |                |       |         |         | 2        | CY       | U        | Refitively unaltered, fresh sample, the dominance of clay-rich white/green mineral decreasing. Increased proportion of magnetic fragments.  |
| KUTH    | SEL 26/2005 | Temple Bar | 24    |     | 30 Jdl - Jurassic Dolerite    | JDD   |       |            |            | G2/O/W  | FRESH    |           |       |               |                |       |         |         |          |          |          | Dominantly fresh unaltered dolerite. Small number of chips displaying distinct boundary (with Fe-oxide selvage) between the dolerite and clay-rich aggregates.  |
| KUTH    | SEL 26/2005 | Temple Bar | 30    |     | 42 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2      | FRESH    |           |       |               |                | PY    |         |         |          |          |          | Perhaps vein hosted? But neither Qz or Cb.  |
| KUTH    | SEL 26/2005 | Temple Bar | 42    |     | 45 Jdl - Jurassic Dolerite    | JDD   |       |            |            |         |          |           |       |               |                |       |         |         |          |          |          | Fresh unaltered dolerite  |
| KUTH    | SEL 26/2005 | Temple Bar | 45    |     | 51 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/W    | FRESH    |           |       |               |                |       |         |         |          |          |          | Fresh unaltered dolerite, with many fragments of white clay (very clean opaque white, an very waxy) sericite?, and aggregates of the pale/t green clay rich aggregates. Aggregates possibly containing chlorite.  |
| KUTH    | SEL 26/2005 | Temple Bar | 51    |     | 57 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/W    | FRESH    |           |       |               |                |       |         |         |          |          |          | Increased abundance of soft white mineral (prehnite? Sericite?). White mineral making up approx. 5% of interval. Pyroxenes becoming dk. Green in colour.  |
| KUTH    | SEL 26/2005 | Temple Bar | 57    |     | 72 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/G2   | FRESH    |           |       |               |                |       |         |         |          |          |          | Dark green to dk grey unaltered dolerite. Interval contains fragments of brecciated material with an red clay matrix hosting small (about 2mm diameter) xls of strongly magnetic Fe-oxides)   |
| KUTH    | SEL 26/2005 | Temple Bar | 72    |     | 75 Jdl - Jurassic Dolerite    | JDD   |       |            |            | A2/G1   | FRESH    |           |       |               |                | PY    |         |         |          |          |          | Interval composed of approx. 40% it green to white aggregates. Fe staining throughout aggregates.   |
| KUTH    | SEL 26/2005 | Temple Bar | 75    |     | 78 Jdl - Jurassic Dolerite    | JDD   |       |            |            | G2/A2   | FRESH    |           |       |               |                |       |         |         |          |          |          | Dolerite dominated by green pyroxenes. Contains clusters of strongly magnetic Fe-oxides displaying botryoidal texture (?). Sheer/fault zone?  |
| KUTH    | SEL 26/2005 | Temple Bar | 78    |     | 87 Jdl - Jurassic Dolerite    | JDD   |       |            |            | G2/G/W  | FRESH    |           |       |               |                |       |         |         |          |          |          | Interval often contains rounded strongly magnetic Fe oxides, up to 5mm diam. Dominated by dark green pyroxene-rich dolerite, with about 30% it green and white fragments. Prehnite? Few clusters of Fe-rich sand sized aggregates.  |
| KUTH    | SEL 26/2005 | Temple Bar | 87    |     | 90 Jdl - Jurassic Dolerite    | JDD   |       |            |            | G2/W    | FRESH    |           |       |               |                | PY    |         |         |          |          |          | Increasing proportion of white and it green minerals (prehnite/sericite/zeolites(?)). Trace PY present on some of the it green soft aggregates. White mineral uniformly breaks in tabular form.   |
| KUTH    | SEL 26/2005 | Temple Bar | 90    |     | 96 Jdl - Jurassic Dolerite    | JDD   |       |            |            | G1/W    | FRESH    |           |       |               |                |       |         |         |          |          |          | Interval dominated by white and it green minerals. PY commonly dotted throughout/on the surfaces of most fragments. Vein hosted alteration; displayed in the distinct boundaries bwn minerals, and minor selvage in these zones, and relatively minor dolerite present (~50%).          |
| KUTH    | SEL 26/2005 | Temple Bar | 96    |     | 108 Jdl - Jurassic Dolerite   | JDD   |       |            |            | G1/W/G2 | FRESH    |           |       |               |                | PY    |         |         |          |          |          | As above, with an increase in the proportion of fresh unaltered dolerite. Small amount of matrix-hosted Fe-oxide aggregates.  |
| KUTH    | SEL 26/2005 | Temple Bar | 108   |     | 117 Jdl - Jurassic Dolerite   | JDD   |       |            |            | A2/GW   | FRESH    |           |       |               |                |       |         |         |          |          |          | Interval dominated by vein alteration - evidenced by distinct linear boundary between dolerite and it green rock (maybe this mystery green rock is epidote/chlorite?). Some Fe-enriched veinlets (sub 1mm) found throughout vein.   |
| KUTH    | SEL 26/2005 | Temple Bar | 117   |     | 126 Jdl - Jurassic Dolerite   | JDD   |       |            |            | A2      | FRESH    |           |       |               |                | PY    |         |         |          |          |          | dominantly fresh unaltered dolerite with minor 'impurities' including sericite/prehnite.  |
| KUTH    | SEL 26/2005 | Temple Bar | 126   |     | 135 Jdl - Jurassic Dolerite   | JDD   |       |            |            | A2/GW   | FRESH    |           |       |               |                |       |         |         |          |          |          | Interval composed dominantly of unaltered fresh dolerite, with the occasional white to light pink tabular vein fragments. Fragments display minor parallel selvage to the vein. Minor disseminated py found throughout interval   |
| KUTH    | SEL 26/2005 | Temple Bar | 135   |     | 138 Jdl - Jurassic Dolerite   | JDD   |       |            |            | A2      | FRESH    |           |       |               |                |       |         |         |          |          |          | Fresh unaltered dolerite, with minor disseminated py throughout.  |
| KUTH    | SEL 26/2005 | Temple Bar | 138   |     | 147 Jdl - Jurassic Dolerite   | JDD   |       |            |            | A2/GW   | FRESH    |           |       |               |                |       |         |         |          |          |          | Dominantly unaltered dolerite. Interval displays frequent veining, with an abundance of epidote, with distinct buandaries to the dolerite and prehnite.   |
| KUTH    | SEL 26/2005 | Temple Bar | 147   |     | 150 Jdl - Jurassic Dolerite   | JDD   |       |            |            | G/A2/W  | FRESH    |           |       |               |                |       |         |         |          |          |          | Prehnite in this interval is 'bright white'. H2. waxy. Epidote(?) is quite mottley with minor Fe staining.  |
|         |             |            |       |     |                               |       |       |            |            |         |          |           |       |               |                |       |         |         |          |          |          | as above, with an increase in the proportion of veining.  |
| KUTH    | SEL 26/2005 | Temple Bar | 148.8 |     | 151.1 Jdl - Jurassic Dolerite | JDD   |       | MG         |            | A2      | FRESH    |           |       |               |                |       |         |         |          |          |          | Fresh unaltered dolerite, fine to medium grained. From approx. 149.1-151.1 there is a 1cm thick carbonate vein with intense alteration/selvage. The alteration is dominantly clay, epidote and chlorite. See photo. Vein-selvage up to 4cm wide. Dipping 80°.                           |
| KUTH    | SEL 26/2005 | Temple Bar | 151.1 |     | 153.2 Jdl - Jurassic Dolerite | JDD   |       | MG         |            | A2      | FRESH    |           |       |               |                |       | B       |         | 80       | CH/CY    | V        | Bronze mica present throughout  |
|         |             |            |       |     |                               |       |       |            |            |         |          |           |       |               |                |       |         |         |          |          |          | Fresh unaltered dolerite. Becoming lighter in colour.   |
|         |             |            |       |     |                               |       |       |            |            |         |          |           |       |               |                |       |         |         |          |          |          | Interval unique due to a multi-staged qz-carb vein with associated selvage. See photos. Unlike the vein in the previous interval, the selvage is much less obvious, and has a higher abundance of bronze micas, and less epidote/clays. Overall, the colour of the dolerite is lighter. |
| KUTH    | SEL 26/2005 | Temple Bar | 153.2 |     | 153.8 Jdl - Jurassic Dolerite | JDD   |       | MG         |            | A2/A    | FRESH    |           |       |               |                |       |         | Q/B     | 50       | MU/BI    |          |   |





## Hole ID: Tiberias

### Hole Summary:

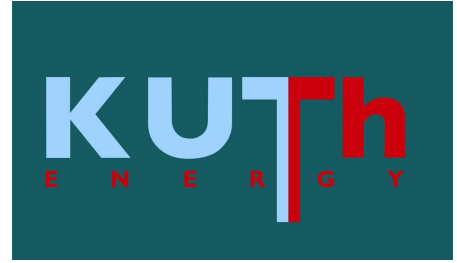
| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Tiberias | GDA94 | 531,690              | 5,301,300             | 437                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102.4  | 18/03/2008 | 18/03/2008  | Gerald Spalding Drilling |
| HQ core | 102.4    | 252.6  | 29/03/2008 | 03/04/2008  | Gerald Spalding Drilling |

| DataSet           | Prospect    | Hole_ID  | Rig | mFrom | mTo | Formation                             | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour     | Regolith | Req_Qual | Shear | Sulph+ Ore_% Ore_Type | Vn_Type | Vn_%  | Vn_Qual | Int_Alt | Alt_Type | Alt_Qual | Description   |
|-------------------|-------------|----------|-----|-------|-----|---------------------------------------|-------|-------|------------|------------|------------|----------|----------|-------|-----------------------|---------|-------|---------|---------|----------|----------|---|
| KUTH              | SEL 26/2005 | Tiberias | RC  | 0     |     | 3 Ru - Upper Parmeener Supergroup     |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 3     |     | 6 Ru - Upper Parmeener Supergroup     |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 6     |     | 9 Ru - Upper Parmeener Supergroup     |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 9     |     | 12 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 12    |     | 15 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 15    |     | 18 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 18    |     | 21 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 21    |     | 24 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 24    |     | 27 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 27    |     | 30 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 30    |     | 33 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 33    |     | 36 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 36    |     | 39 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 39    |     | 42 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 42    |     | 45 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 45    |     | 48 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 48    |     | 51 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 51    |     | 54 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 54    |     | 57 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 57    |     | 60 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 60    |     | 63 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 63    |     | 66 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 66    |     | 69 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 69    |     | 72 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 72    |     | 75 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 75    |     | 78 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 78    |     | 81 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 81    |     | 84 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 84    |     | 87 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 87    |     | 90 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 90    |     | 93 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 93    |     | 96 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 96    |     | 99 Ru - Upper Parmeener Supergroup    |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | RC  | 99    |     | 102 Ru - Upper Parmeener Supergroup   |       |       |            |            |            |          |          |       |                       | -       |       |         | -       |          |          |   |
| End of Pre-Collar |             |          |     |       |     |                                       |       |       |            |            |            |          |          |       |                       |         |       |         |         |          |          |   |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 102.5 |     | 103.6 Ru - Upper Parmeener Supergroup | RST   | RSS   | BD         |            | K/B        | FRESH    |          | 0     | <1                    | Py      |       |         | 5       | BI/SR    | UM       | Subhorizontal bedding, dominantly siltstone, with beds of brown micaceous sericitic altered fine grained sandstone layers (up to 3cm thick). Khaki coloured minor carbonaceous fine layers.   |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 103.7 |     | 107.7 Ru - Upper Parmeener Supergroup | RSS   | -     | BD/FG      |            | B/A2       | FRESH    |          | 5     | 5                     | Py      | Y     | 90      | 5       | BI       | UM       | Fine grained feldspathic, mica rich sandstone with many fine beds of black carbonaceous material. Minor pyrite veining at beginning of interval (with veins composed of approx. 90% Py). Includes up to 4cm diameter clasts of dark grey carbonaceous material, with a high percentage of pyrite within, with distinct le-halos. Light grey in colour.  |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 107.7 |     | 108.2 Ru - Upper Parmeener Supergroup | RSS   | RSS   | BD/FG      |            | BD/VFG B/D | FRESH    |          | 10    | <1                    | Py      |       |         | 10      | BI       | UM       | Fine grained sandstone and black VFG sandstone interval. Very porous, especially the black beds. Beginning of interval dominated by the porous black sandstone, though to interbedded brown sandstones. Very mild shearing, as evidenced by the minor slickensides on fractured surfaces. Often interbedded with feldspathic, mica rich siltstones. Few quartz grains present.  |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 108.2 |     | 109.5 Ru - Upper Parmeener Supergroup | RSS   | RST   | BD         |            | B/D        | FRESH    |          | 10    | <1                    | py      |       |         | 10      | BI       | UM       | As above, But no longer porous. Interbedded VFG sandstones and brown sandstones - siltstones common in the interbedded sequences. Dominantly grey siltstones with orange siltstones. Many small fractures present, which have been infilled to form fe oxide rich veinlets. Dominantly coherent in form. Often small beds of fine grained orange sandstone throughout. Moderate in porosity.  |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 109.5 |     | 111.2 Ru - Upper Parmeener Supergroup | RST   | RSS   | BD/JN      |            | A/O        | FRESH    |          | 0     | <1                    | Py      | O     | A       | 5       | FE       | F        | Interval dominated by fine layers of interbedded black carbonaceous siltstones and brown very fine grained sandstones. Distinct soft sediment deformation features. Very micaceous, fractures easily.   |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 111.2 |     | 112 Ru - Upper Parmeener Supergroup   | RST   | RSS   | LC/BD      |            | B/D        | FRESH    |          | 0     | 0                     | Py      |       |         | 10      | BI       | UM       | Dominantly dark grey siltstones interbedded with very fine grained brown sandstone. Many veinlets (steeply dipping) of soft white-orange carbonate veins ± sericite ± arkenite. Moderate porosity. Medium grained quartz sandstone. Numerous 1cm diameter pyrite rich carbonaceous sub rounded clasts. Also many fine beds of barbonate rich seds. Minor steeply dipping pyrite veining. Light grey to khaki in colour. Becoming motley towards end of interval. Core is in a coherent state. |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 112   |     | 117 Ru - Upper Parmeener Supergroup   | RST   | RSS   | BD         |            | A2/B       | FRESH    |          | 0     | <1                    | Py      | SR/AK | A       |         | -        |          | Interbedded dark green siltstones with light grey siltstones, with minor small beds of light brown medium grained sandstone. Very distinct sole marks on boundary between the sandstone and siltstone. Many orange carbonate veinlets, with one sub-vertical cabite vein. Fe-halo as selvage to vein. Micaceous   |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 117   |     | 131 Ru - Upper Parmeener Supergroup   | RSS   | -     | BD         |            | B          | FRESH    |          | 0     | <1                    | Py      | Y     |         | 10      | BI       | UM       |   |
| KUTH              | SEL 26/2005 | Tiberias | DD  | 131   |     | 134 Ru - Upper Parmeener Supergroup   | RST   | RSS   | BD/LC      |            | G2A1/B     | FRESH    |          | 0     | 2                     | Py      | B/C   |         | 10      | BI       | UM       |   |





## Hole ID: Tooms

### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Tooms   | GDA94 | 567,354              | 5,319,894             | 414                | Vertical | No     |

#GPS

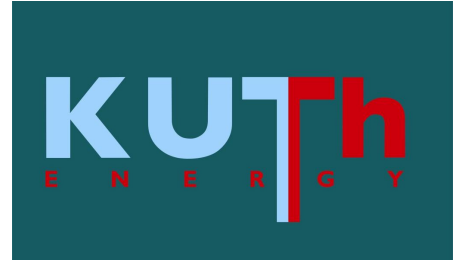
| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 29/10/2007 | 30/10/2007  | Gerald Spalding Drilling |
| HQ core | 102      | 261.5  | 15/11/2007 | 27/11/2007  | Gerald Spalding Drilling |



| DataSet | Prospect    | Hole ID | Rlg     | mFrom  | mTo   | Formation               | Rock1 | Rock2 | Rock1_Qual | Rock2_Qual | Colour   | Regolith | Reg_Qual | Shear | Sulph+ Ore % | Sulph+ Ore Type | Vn_Type | Vn % | Vn_Qual | Int_Alt | Alt_Type | Alt_Qual | Description   |
|---------|-------------|---------|---------|--------|-------|-------------------------|-------|-------|------------|------------|----------|----------|----------|-------|--------------|-----------------|---------|------|---------|---------|----------|----------|---|
| KUTH    | SEL 26/2005 | Tooms   | RC      | 0      | 3     | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | O        | SAP      | F        |       | 0            | -               | -       |      |         |         |          |          | Upper saprolite. Weathered insitu dolerite. Predominantly orange doleritic clay intermixed with dolerite coarse sandy gravel fragments.   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 3      | 6     | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | O/A      | SAP      |          |       | 0            | -               | -       |      |         |         |          |          | Lower saprolite. Weathered insitu dolerite. Predominantly dolerite gravel fragments intermixed with doleritic clay.   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 6      | 9     | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O      | SAP      |          |       | 0            | -               | -       |      |         |         |          |          | Mostly fresh coherent dolerite (>70%) with minor coarse sandy gravel fragments of weakly terrigeneous weathered dolerite - moderately magnetic  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 9      | 12    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/O      | SAP      |          |       | 0            | -               | -       |      |         |         |          |          | As above with weathered FeO sandy gravel fragments <10%   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 12     | 15    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 15     | 18    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | Predominantly fresh unweathered dolerite - clay proportion <1%  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 18     | 21    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above - minor FeO staining on <1% chips  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 21     | 24    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 24     | 27    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above - chips size decreasing, magnetite content increasing  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 27     | 30    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 30     | 33    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 33     | 36    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above - moderately magnetic  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 36     | 39    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above with v. minor pale green dull vitreous mineral ?pyroxene   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 39     | 42    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 42     | 45    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 45     | 48    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 48     | 51    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 51     | 54    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 54     | 57    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 57     | 60    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/G1     | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | Predominantly fresh dolerite with minor fragments of weathered dolerite due to possible minor faulting  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 60     | 63    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above with v. minor FeO weathering on <5% chips  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 63     | 66    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | Coherent dolerite. Moderately magnetite rich  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 66     | 69    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 69     | 72    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above with minor faulting. White weathered dolerite on tiny fault plain <1mm.  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 72     | 75    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 75     | 78    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | Coherent dolerite. Moderately magnetite rich  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 78     | 81    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above - chips fining   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 81     | 84    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above - chips coarsing   |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 84     | 87    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 87     | 90    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above with v. minor pale green dull vitreous mineral ?pyroxene + micro fault infilled with white weathered dolerite  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 90     | 93    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 93     | 96    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 96     | 99    | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
| KUTH    | SEL 26/2005 | Tooms   | RC      | 99     | 102   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A        | Fresh    |          |       | 0            | -               | -       |      |         |         |          |          | As above  |
|         |             |         |         |        |       | EOH                     |       |       |            |            |          |          |          |       |              |                 |         |      |         |         |          |          |   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 101.46 | 103   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A1       | Fresh    |          |       |              |                 |         |      |         |         |          |          | Grout   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 103    | 106   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/G2  | Fresh    |          |       |              |                 | B       |      |         |         | OH       | V        | Chlorite associated with minor carbonate veinlets. Zeolites present - up to 2cm diameter with acicular centrally radiating pattern. Strong reaction with HCL within vein. Fine grained dolerite, with plag xls difficult to determine.                        |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 106    | 110   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/G2  | Fresh    |          |       |              |                 | B/Q     |      |         |         | CH/EP    | V        | dolerite as described above, but identified as a separate interval given the increase in the number and thickness of CB/QZ vns. Vns display strong selvage, with alteration minerals ep/ch, and possibly sericite. One of the larger veins at 106.75m has a d |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 110    | 110.9 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/G/D   | Fresh    |          |       |              |                 | B       |      |         |         | CH/EP/SR | S/V      | zone dominantly dolerite - fine grained, as described above. Has 3 small shear zones @ 110.3, 110.4 and 110.8. These zones are very clay rich and green, with lots of chlorite, and sr. Epidote is also present. The interval is very crumbly and looks lik   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 110.9  | 111   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D     | Fresh    |          |       |              |                 | B       |      |         |         |          |          | Last interval of uninterrupted, unaltered dolerite before the chaos begins...   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 111    | 114   | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/W/G | Fresh    |          |       |              |                 | B/Q     |      |         |         | SR/CH/EP | S/W      | strongly altered, with a series of almost stock-work like CB veins, up to 3cm thick. Either side of the veins, the dolerite is coarser grained and plag rich. Micro-faulting causing displacement up to 7mm. Sericite and chlorite are very common within th  |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 114    | 116.4 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          |          |          |          |       |              |                 | B       |      |         |         |          |          | interesting interval distinguished by its light green to white veins. Photo. Veins not always following parallel (i.e. thickness varies). Very common to find lenses of chlorite within and generally following an orientation. Veins are very sericite -     |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 114    | 116.4 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/GW  | Fresh    |          |       |              |                 | B/Q     |      |         |         | SR/CH    | V/S      | Fresh dolerite, with a small amount of 1-3mm CB veining (clay and chlorite rich). Veins have no particular orientation, regularly x-cutting. Dolerite fine grained, except where it becomes med. grained proximal to veins. FE also increases in selvage of   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 116.4  | 118.3 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/W   | Fresh    |          |       |              | 1 PY            | B       |      |         |         |          |          | Very minor CB veinlets. Each veinlet has an interesting Fe 'halo'. Looks like z   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 118.3  | 119.5 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/D      | Fresh    |          |       |              |                 | B       |      |         |         | FE/CH    | V        | water mark. Doesn't start at the contact of the vein, rather 5mm out. Otherwise fresh unaltered dolerite  |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 119.5  | 120.2 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/W   | Fresh    |          |       |              |                 | B/Q     |      |         |         | SR/CH    | V        | Dolerite, as above, hosting CB vein with sericite alteration and chlorite dotted throughout. vein has 'halo' described above.   |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 120.2  | 122.2 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A2/D/R   | Fresh    |          | Y     |              |                 | B/Q     |      |         |         | SR/EP/CH | V        | standard dolerite with brecciated 10cm zone @ 120.8. Small number of CB/QZ veinlets creating fracturing. Fe 'halos' common throughout in association with the veins.  |
| KUTH    | SEL 26/2005 | Tooms   | DD - HQ | 122.2  | 123.8 | Jdl - Jurassic Dolerite | JDD   | -     | -          | -          | A/D      | Fresh    |          |       |              |                 |         |      |         |         |          |          | Unaltered, no veins. Fresh dolerite, light in colour (for JDD) and fine to medium grained.  |







## Hole ID: Towers

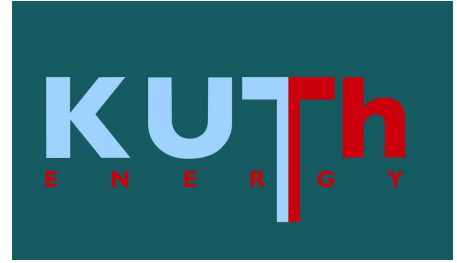
### Hole Summary:

| Hole ID | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|---------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Towers  | GDA94 | 573,964              | 5,399,699             | 584                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 147    | 10/12/2007 | 12/12/2007  | Gerald Spalding Drilling |
| HQ core | 147      | 253    | 02/01/2008 | 21/02/2008  | Gerald Spalding Drilling |





## Hole ID: Tunbridge

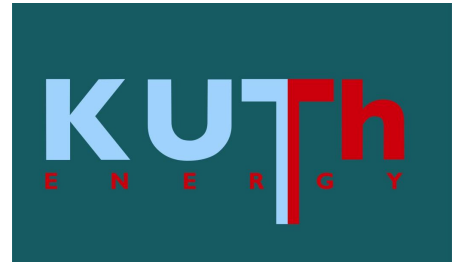
### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Tunbridge | GDA94 | 529,875              | 5,339,428             | 525                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102.3  | 28/03/2008 | 31/03/2008  | Gerald Spalding Drilling |
| HQ core | 102.3    | 252.6  | 07/04/2008 | 13/04/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole_ID     | Rig       | mFrom  | mTo    | Formation                       | Rock1                           | Rock2  | Rock1_Qual | Rock2_Qual | Colour  | Regolith | Reg_Qual | Sulph+<br>Ore | Sulph+<br>Ore_Type | Vn_ | Vn_   | Vn_ | Int_ | Alt_    | Alt_  | Description   |
|---------|-------------|-------------|-----------|--------|--------|---------------------------------|---------------------------------|--------|------------|------------|---------|----------|----------|---------------|--------------------|-----|-------|-----|------|---------|-------|---|
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 102.6  | 110.2  | Ru - Upper Parmeener Supergroup | RSF                             | SB     | FU         | FU         | A/A2/D  | FRESH    | -        | 10            | -                  | B   | 100   | S   | -    | -       | -     | Grey upward beaded medium grained feldspathic sandstone. Dark grey to black carbonaceous "spots" throughout. Carbonate vein at 102.6m dipping 70degrees. Spots typically 2 to 3mm in diameter.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 110.2  | 110.27                          | Ru - Upper Parmeener Supergroup | RSF    | -          | FU         | -       | FRESH    | -        | 10            | -                  | -   | -     | -   | 10   | CH      | U     | Fine/ly laminated horizontal to sub-horizontal grey to grey brown sandstone beds. Intermittent lighter beds are calcitic. Steeply dipping fracture face at 110.2m dipping around 70 degrees.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 110.27 | 111.7                           | Ru - Upper Parmeener Supergroup | RSU    | -          | Broken     | -       | FRESH    | -        | 10            | -                  | -   | -     | -   | -    | -       | -     | Grey mudstone - poor competence. Very broken from 110.27 to 111metres.  |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 110.7  | 114.3  | Ru - Upper Parmeener Supergroup | RSU                             | -      | Broken     | -          | A       | FRESH    | -        | 10            | -                  | -   | -     | -   | -    | -       | -     | Grey mudstone -4mm thick dipping ~70degrees in fine grained grey sandstone.   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 114.3  | 114.57                          | Ru - Upper Parmeener Supergroup | RSF/SQ | -          | -          | -       | FRESH    | -        | 10            | -                  | B   | 100   | S   | -    | -       | -     | Carbonate vein -4mm thick dipping ~70degrees in fine grained grey sandstone.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 114.57 | 115.15                          | Ru - Upper Parmeener Supergroup | RSF/SQ | RSU        | FU         | FU      | A        | FRESH    | -             | 10                 | -   | -     | -   | -    | -       | -     | Grey line grained grey sandstone and siltstone.   |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 115.15 | 121.2  | Ru - Upper Parmeener Supergroup | RSU                             | -      | FU         | -          | A/B     | FRESH    | -        | 70            | -                  | -   | -     | -   | -    | -       | -     | Fault within mudstone facies. Fault breccia @ 120metres. Clast & matrix supported with an orange brown muddy matrix   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 121.2  | 125.69                          | Ru - Upper Parmeener Supergroup | RSF/SQ | -          | FU         | -       | A        | FRESH    | -             | -                  | -   | -     | -   | -    | -       | -     | Grey fine grained sandstone with fractures dipping around 70degrees to horizontal.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 125.69 | 126.8                           | Ru - Upper Parmeener Supergroup | RST    | RSU        | FU         | FU      | D/A2     | FRESH    | -             | 30                 | -   | -     | -   | -    | 50      | CH    | SP  |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 126.8  | 128.8  | Ru - Upper Parmeener Supergroup | RST                             | RSF/SQ | FU         | FU         | A/A2    | FRESH    | -        | -             | -                  | B   | 100   | S/T | -    | -       | -     | Grey siltstone and interbedded sandstones. Carbonate vein x-cutting core at 127.6metres.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 128.8  | 132.6                           | Ru - Upper Parmeener Supergroup | RST    | RSF/SQ     | FU         | A/A2/A1 | FRESH    | -        | 30            | -                  | B   | 100   | S/T | -    | -       | -     | Core becoming increasingly horreficised with pervasive weak chloritisation and increasing hardness.   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 132.6  | 136                             | Jdl - Jurassic Dolerite         | JDD    | JDD        | MG         | A       | FRESH    | -        | 5             | -                  | B/L | -     | -   | -    | CH      | VSD/S | Fresh fine grained dolerite 50-50 plagioclase. Several steeply dipping chlorite rich veinlets present. Veinlets react with HCL. Obvious Fe aured associated with the veins. Core generally fractures along veinlets. Poorly consolidated interval @ 135.6 & 135m due to small shear zones. Chlorite rich within the shear zones.  |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 136    | 138.6  | Jdl - Jurassic Dolerite         | JDD                             | JDD    | MG         | MG         | A       | FRESH    | -        | -             | -                  | B/L | -     | -   | -    | CH      | VSD   | Very poorly consolidated interval with many horizontal breaks. Fine to Medium grained with pyx crystals distinctly larger than the plagioclase. Only very minor CB and Chlorite veining, with fracturing along the vein.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 138.6  | 147.4                           | Jdl - Jurassic Dolerite         | JDD    | FG-MG      | A          | FRESH   | -        | 5        | -             | -                  | -   | -     | -   | -    | CH/CB   | S     | Increasing coherence , although still >5 breaks/meter. Includes many small (up to 4cm wide) bands of coarse grained dolerite with sharp boundaries to FG dolerite above and below. @ 143m 10cm wide shear zone hosting chlorite and carbonates.   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 147.4  | 152.5                           | Jdl - Jurassic Dolerite         | JDD    | MG/G       | MG/G       | A1/A2   | FRESH    | -        | -             | -                  | -   | -     | -   | -    | -       | -     | Interval characterised by several layers within the dolerite, alternating between MG and CG dolerite. Very sharp boundaries at start and end of the layers. Also changing ratio of pyx:plagioclase in different layers. Increasing coherence, with several horizontal breaks present. No veining.   |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 152.5  | 168.6  | Jdl - Jurassic Dolerite         | JDD                             | JDD    | CG         | CG         | A       | FRESH    | -        | -             | -                  | -   | -     | -   | 10   | CH      | U     | Very coherent coarse grained dolerite. Pyx crystals becoming asclular, up to 1-7mm long. Plagioclase makes up the groundmass. No veining of fracturing. Dominantly pyx crystals; dk grey to bronze in colour. Some selective chlorite alteration present.   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 168.6  | 189                             | Jdl - Jurassic Dolerite         | JDD    | CG-VCG     | CG-VCG     | A/G     | FRESH    | -        | -             | -                  | ?/B | -     | S   | -    | -       | -     | Light green groundmass hosting large acicular pyx crystals often >1cm long. 4mm wide vertical vein running most of interval, minor CB, dominantly pink-orange mineral H-5, vitreous, some peacock colouring. No fracturing associated with vein. Coherent interval.   |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 189    | 200                             | Jdl - Jurassic Dolerite         | JDD    | CG-MG      | CG-MG      | A2      | FRESH    | -        | -             | 5-in vein          | PY  | L/B/Y | -   | S    | CH      | V     | Decreases grainsize from CG-MG over approx. 50cm. Coherent interval except at 1m long steeply dipping Chlorite-pyrite-CB vein. Centre of 1cm wide vein is soft black chlorite. Pyroxenes in the dolerite dominantly bronze in colour.   |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 200    | 215.5  | Jdl - Jurassic Dolerite         | JDD                             | JDD    | MG         | MG         | A1/A    | FRESH    | -        | -             | -                  | -   | -     | -   | -    | CH      | F     | Dominantly it grey groundmass. Coherent interval. Small fracture zone for 40cm leading up to 215 meter mark. Chlorite and CB present on soft puggy fracture surfaces. Becoming darker towards end of interval with increased fracturing towards end of interval.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 215.5  | 218                             | Jdl - Jurassic Dolerite         | JDD    | JDD        | MG-CG      | B/A     | FRESH    | -        | -             | -                  | B/Q | -     | -   | -    | CHSR    | V     | High level of fluid activity in this zone, with large amount of chlorite and sericite alteration associated with the veining. Dolerite hosting the veins is dominantly medium grained, but CG proximal to the veins. Euhedral tabular crystals of the pyroxene, some alteration to chlorite. Crystal growth within the voids often having a nodular/botryoidal texture, xls are light brown/H-5-7: zeolites? Fe halo around the veins. Interval dominantly coherent, though porous. |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 218    | 219                             | Jdl - Jurassic Dolerite         | JDD    | JDD        | MG         | A       | FRESH    | -        | -             | -                  | -   | -     | -   | -    | -       | -     | Fresh unaltered med grained dolerite.   |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 219    | 242    | Jdl - Jurassic Dolerite         | JDD                             | JDD    | MG         | MG         | A       | FRESH    | -        | -             | -                  | B   | -     | -   | 8    | CH      | U     | pyx bronzy coloured. Coherent, with approx 2-3 breaks per meter. Minor chlorite alteration. Very minor sub-vert carbonate veining.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 242    | 245.3                           | Jdl - Jurassic Dolerite         | JDD    | MG/BX      | MG/BX      | A/B/G   | FRESH    | -        | 10            | -                  | B   | -     | -   | 80   | CB/CH/V | -     | Strongly altered zone, with large amount of fracturing and minor brecciation. Mild slicken-slides on fracture surfaces. Large CB veins with associated FE-Oxide and chlorite alteration. Often euhedral clactite xls in the veins.  |
|         | KUTH        | SEL 26/2005 | Tunbridge | DD-HQ  | 244    | 245.3                           | Jdl - Jurassic Dolerite         | JDD    | R          | BX         | W/A/B   | FRESH    | -        | -             | -                  | B   | -     | -   | -    | -       | -     | Large shear/breccia zone. Middle of interval characterised by a large solid CB vein/breccia zone (greater than width of the core). Breccia zone CB hosted, with xenoliths of the dolerite within. Green clay associated with the interval. Grainsize of pyx increases with proximity to the vein.   |
| KUTH    | SEL 26/2005 | Tunbridge   | DD-HQ     | 245.3  | 252.6  | Jdl - Jurassic Dolerite         | JDD                             | JDD    | MG         | MG         | A/A2    | FRESH    | -        | -             | -                  | B/L | -     | -   | -    | CHC/Y/V | -     | 11cm wide steeply dipping vein. vein clay and chlorite rich, unconsolidated, strongly altered/puggy material. Dominantly sericite & chlorite. Strong Fe-oxide alteration halo around vein. Other than fracture associated with vein, very coherent interval.  |
|         |             |             |           |        |        |                                 |                                 |        |            |            |         |          |          |               |                    |     |       |     |      |         |       |   |
|         |             |             |           |        |        |                                 |                                 |        |            |            |         |          |          |               |                    |     |       |     |      |         |       |   |



## Hole ID: University Farm

### Hole Summary:

| Hole ID         | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------------|-------|----------------------|-----------------------|--------------------|----------|--------|
| University Farm | GDA94 | 534,378              | 5,261,742             | 43                 | Vertical | No     |

<sup>#</sup> GPS

| Type | From (m) | To (m) | Start Date | Finish Date | Company                  |
|------|----------|--------|------------|-------------|--------------------------|
| RC   | 0        | 90     | 26/06/2008 | 01/07/2008  | Gerald Spalding Drilling |





## Hole ID: Westbury

### Hole Summary:

| Hole ID  | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Westbury | GDA94 | 485,940              | 5,396,730             | 233                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 05/05/2008 | 07/05/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 252    | 14/05/2008 | 20/05/2008  | Gerald Spalding Drilling |



|      |             |          |         |        |        |     |   |        |   |            |   |    |   |   |                |     |     |    |    |    |   |
|------|-------------|----------|---------|--------|--------|-----|---|--------|---|------------|---|----|---|---|----------------|-----|-----|----|----|----|---|
| KUTh | SEL 26/2005 | Westbury | Diamond | 126.1  | 137.80 | JDD | - | CG     | - | L/G/A2     | - | -  | - | - | B/zeolite      | <1  | S   | 10 | CH | VP | Blue grey coarse grained dolerite. Ophitic texture with pyroxenes giving a "spotted" texture to core. Minor chlorite with zeolite and carbonate veins sub mm scale and sparse. Dolerite weakly magnetic.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 137.8  |        | JDD | - | CG     | - | L/G/A2/W   | - | -  | - | - | B              | >10 | S   | -  | -  | -  | Steeply dipping vuggy and drusy calcite filled sheeted vein suite. Discontinuous to 139.6. Core broken between 138.7 to 139.6m.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 143.5  | 144.10 | JDD | - | CG     | - | L/G/A2/W   | - | -  | - | - | B              | 1-2 | S   | 10 | CH | VP | Sub horizontal anastomosing - wispy calcite veins. Dolerite containing bronze ?orthopyroxene phenocrysts. Chlorite aureole spreading from veins into the dolerite.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 144.1  | 161.12 | JDD | - | CG     | - | L/G/A2/W   | - | -  | - | - | B/zeolite      | <1  | S   | 10 | CH | VP | Competent coarse grained ophitic dolerite. Irregularly spaced mm scale sub-horizontal white calcite/zeolite veins. Dolerite weakly magnetic with irregularly spaced minor increases.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 161.2  | 165.08 | JDD | - | CG     | - | L/G/A2/W   | - | -  | - | - | Zeolite        | <1  | S   | -  | -  | -  | Steeply dipping vuggy, drusy zeolite filled veins. Dip ~72 degrees. Veins sub cm thickness.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 164.27 | -      | JDD | - | -      | - | W          | - | 20 | - | - | Talc/B/zeolite | 10  | S   | -  | -  | -  | Small fault associated with talc/carbonate/zeolite vein dipping ~75degrees and ~ 2cm thick with minor brecciation.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 167.6  | -      | JDD | - | -      | - | W          | - | 30 | - | - | -              | -   | S   | 10 | CH | VP | Fault - talc/carbonate filled with brecciation. Vein/fault thickness >3cm dipping ~75 degrees. Chlorite alteration throughout vein with minor localised alteration of dolerite.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 178.64 | 178.77 | JDD | - | CG/FG  | - | L/G/A2     | - | -  | - | - | -              | -   | -   | -  | -  | -  | "dyke" ~13cm thick of much finer grained dolerite cross-cutting coarse grained dolerite. Contact is gently dipping ~15degrees. Pyroxene phenocrysts shrink from 53mm to sub-mm scale.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 178.77 | 184.80 | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | -              | -   | -   | -  | -  | -  | Irregular black cm scale "patches" with massive texture which are typically more magnetic and pyroxene poor irregularly spaced within this interval. Very coarse pyroxene phenocrysts up to 1.5cm at 180.19 to 180.27m.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 181.5  | -      | JDD | - | -      | - | -          | - | -  | - | - | Talc/zeolite   | 10  | -   | -  | -  | -  | ~ 10mm thick talc/zeolite vein. Minor brecciation within vein.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 186    | 186.50 | JDD | - | CG     | - | L/G/A2/D/W | - | 10 | - | - | Zeolite        | 1   | -   | -  | -  | -  | Steeply dipping veins with probable minor displacement.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 188.3  |        | JDD | - | CG     | - | L/G/A2/D/W | - | -  | - | - | B              | 1   | -   | -  | -  | -  | Sub-horizontal carbonate vein ~1cm thick.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 190.8  |        | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | -              | -   | -   | -  | -  | -  | Pyroxene phenocrysts decreasing in size to <0.5mm to 191m. At 191m phenocryst size increases marginally to 191.12m with a return to coarse grained dolerite below this.   |
| KUTh | SEL 26/2005 | Westbury | Diamond | 191.12 | 196.20 | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | -              | 10  | S   | 10 | CH | VP | Core becoming broken with minor faults spaced within this zone, within coarse grained dolerite. Minor Fe staining occurring as an alteration aureole from zeolite/talc/gypsum filled fractures which are also chloritic.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 204    | 216.60 | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | -              | -   | -   | -  | -  | -  | Coarse grained competent dolerite.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 216.60 | 219.50 | JDD | - | CG/VCG | - | L/G/A2/D   | - | -  | - | - | -              | -   | -   | -  | -  | -  | Pyroxenes becoming dominant and coarse to very coarse with an increase in "massive" textured black "patches" - possibly magnetite/thornblende.  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 219.50 | 226.00 | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | B/zeolite      | <1  | -   | -  | -  | -  | Coarse grained dolerite - good competence with minor scattered mm scale zeolite/carbonate veins dipping ~70degrees  |
| KUTh | SEL 26/2005 | Westbury | Diamond | 226.00 | 252.00 | JDD | - | CG     | - | L/G/A2/D   | - | -  | - | - | B/zeolite      | <1  | S/T | -  | -  | -  | Decreasing competence with increasing fracture density. Fault at 242.85m with very minor scattered and stockworked veins mm scale. Dolerite coarse grained to EOH with slight variations in size but variations are very minor. Veins generally sub cm scale dipping in 3 orientations: approx <15, 50 and 75 degrees respectively. |

EOH

Geologist: Andrew Wakefield



## Hole ID: Woodsdale

### Hole Summary:

| Hole ID   | Datum | Easting <sup>#</sup> | Northing <sup>#</sup> | RL(m) <sup>#</sup> | Azimuth  | Survey |
|-----------|-------|----------------------|-----------------------|--------------------|----------|--------|
| Woodsdale | GDA94 | 552,007              | 5,296,499             | 365                | Vertical | No     |

#GPS

| Type    | From (m) | To (m) | Start Date | Finish Date | Company                  |
|---------|----------|--------|------------|-------------|--------------------------|
| RC      | 0        | 102    | 18/01/2008 | 21/01/2008  | Gerald Spalding Drilling |
| HQ core | 102      | 252.7  | 17/03/2008 | 28/03/2008  | Gerald Spalding Drilling |

| DataSet | Prospect    | Hole ID   | Rig   | mFrom  | mTo    | Formation                     | Rock1    | Rock2 | Rock1_Qual | Rock2_Qual | Colour     | Repolith | Req_Qual | Shear | Suph+ Ore_Type | Suph+ Ore_ % | Vn_Type | Vn_ % | Int_Alt | Alt_Type | Alt_Qual | Description  |
|---------|-------------|-----------|-------|--------|--------|-------------------------------|----------|-------|------------|------------|------------|----------|----------|-------|----------------|--------------|---------|-------|---------|----------|----------|--|
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 0      | 3      | Ru-Upper Parmeenor Supergroup | RSS      |       |            |            | K          | SAPRK    | F        |       |                |              |         |       |         |          |          | Light coloured medium grained sandstone. Muscovite common.   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 3      | 18     | Ru-Upper Parmeenor Supergroup | RSS      |       | F/Y        |            | B          | SAPRK    |          |       |                |              |         |       |         |          |          | Light coloured pebbly sized aggregates of sandstone. Clay and mica present as above, but includes soft aggregates of finer grained grey sand   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 18     | 33     | Ru-Upper Parmeenor Supergroup | RSS      |       |            |            | A1         | FRESH    |          |       |                |              |         |       |         |          |          | Light grey medium grained sandstone, dominantly composed of quartz and other lithics as above, but includes soft aggregates of finer grained grey sand   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 33     | 39     | Ru-Upper Parmeenor Supergroup | RSS      |       | S          |            | A1/A       | FRESH    |          |       |                |              |         |       |         |          |          | fine to medium grained light coloured sandstone. Often very soft/sandy, dominantly quartz fragments, with other lithics and micas  |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 39     | 57     | Ru-Upper Parmeenor Supergroup | RSS      |       | S          |            | K          | FRESH    |          |       |                |              |         |       |         |          |          | Very porous and bossy held matrix. Soft white matrix supports fine quartz fragments, less lithics than previous intervals  |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 57     | 63     | Ru-Upper Parmeenor Supergroup | RSS      |       | S          |            | W          | FRESH    |          |       |                |              |         |       |         |          |          | Weakly dominantly unconsolidated very soft fine grained sand/sandstone   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 63     | 66     | Ru-Upper Parmeenor Supergroup | RSS      |       | S          |            | K          | FRESH    |          |       |                |              |         |       |         |          |          | Sandstone with medium grained quartz grains, matrix not a strong cement; easily crumbles. Micas common throughout, lithics not so common   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 66     | 72     | Ru-Upper Parmeenor Supergroup | RSS      |       |            |            | B1         | FRESH    |          |       |                |              |         |       |         |          |          | Quartz dominated medium grained sandstone, matrix not a strong cement; breaks easily   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 72     | 78     | Ru-Upper Parmeenor Supergroup | RSS      | RST   | F          |            | B1/R       | FRESH    | F        |       |                |              |         |       |         |          |          | Quartz dominated medium grained sandstone, matrix not a strong cement; breaks easily   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 78     | 90     | Ru-Upper Parmeenor Supergroup | RSS      |       | F          |            | B1         | FRESH    | F        |       |                |              |         |       |         |          |          | As above, with iron staining   |
| KUTH    | SEL 26/2005 | Woodsdale | RC    | 90     | 102    | Ru-Upper Parmeenor Supergroup | RSS      |       |            |            | B1         | FRESH    |          |       |                |              |         |       |         |          |          | Equally Quartz and lithic composition fine to medium grained sandstone.  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 102.7  | 114.24 | Ru-Upper Parmeenor Supergroup | SS       |       | MGMAFR     |            |            | FRESH    |          |       |                |              |         |       |         |          |          | Massive medium grained sandstone with distinct pervasive Fe banding from 110.43-   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 114.24 | 115.3  | Ru-Upper Parmeenor Supergroup | SS       |       | FGBD       |            | AA1        | FRESH    |          |       |                |              |         |       |         |          |          | Darker grey bands due to 35% bottle fracture ill. Interbedded bottle-rich beds with within the layers (~2%)  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 115.3  | 115.78 | Ru-Upper Parmeenor Supergroup | SU       | ST    | VFG-BD/A   |            | AK1        | FRESH    |          |       |                |              |         |       |         |          |          | Sub-horizontal banding   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 115.78 | 120.7  | Ru-Upper Parmeenor Supergroup | SS       |       | MGMA       |            | A1         | FRESH    |          |       |                |              |         |       |         |          |          | compared to previous sandstone equigranular sand-sized particles. Bottle (1.2%) usually <0.5mm - 3cm wide  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 120.7  | 120.8  | Ru-Upper Parmeenor Supergroup | SS       |       | MG         |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          | Medium grained sandstone interbedded with bottle beds up to 3mm thick usually - 1m, spaced ~1cm apart on average dipping ~150 °a   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 120.8  | 125    | Ru-Upper Parmeenor Supergroup | ST/SU/SS |       | VFG-FG/BD  |            | A1/KO1     | FRESH    |          |       |                |              |         |       |         |          |          | Dominantly mudstone interbedded with fine-grained sandstone; 10-15% of core is covered by a network of very fine grained brown veinlets of Fe-oxide 500°a  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 125    | 126.13 | Ru-Upper Parmeenor Supergroup | SS       |       | MGBD       |            | AK1        | FRESH    |          |       |                |              |         |       |         |          |          | Interval of very fine grained mudstone and sandstone (30cm), distinctive due to soft-sediment deformation-bedding undefined (?) Some sedimentary structures, eg flame and lode-casting indicating the bedding grades normally from coarse to fine grained sandstone. |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 126.13 | 127.68 | Ru-Upper Parmeenor Supergroup | SU/SS    |       | BD/FQ (SS) |            | A          | FRESH    |          |       |                |              |         |       |         |          |          | Sub-horizontal - low angle dipping bottle banding up to 3mm thick, averaging 1cm   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 127.68 | 128    | Ru-Upper Parmeenor Supergroup | SU/SS    |       | BD/LC      |            | A2/O1/K1   | FRESH    |          |       |                |              |         |       |         |          |          | Diffusely interbedded mudstones and siltstones and very fine-grained sandstone, minor stock-work veinlets with Fe-staining (assumed mineral infill - soft, uncertain of origin)  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 128    | 130.27 | Ru-Upper Parmeenor Supergroup | SS       |       | MGXB       |            | A1/A2      | FRESH    |          |       |                |              |         |       |         |          |          | Several intervals (20cm average) of coarse, monomict conglomerate unit composing sub-angular - sub-rounded grains of 2mm-2cm   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 130.27 | 131.3  | Ru-Upper Parmeenor Supergroup | SU/ST/SS |       | VFG        |            | A1/A2/K1   | FRESH    |          |       |                |              |         |       |         |          |          | Fine grained bedded sandstone beds 3mm-1cm thick   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 131.3  | 133.31 | Ru-Upper Parmeenor Supergroup | SM       |       | FG/BD      |            | O1/A2      | FRESH    |          |       |                |              |         |       |         |          |          | Finely laminated sandstone, distinctly lighter in colour to adjacent units with pervasive light pinkish staining.  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 133.31 | 135.13 | Ru-Upper Parmeenor Supergroup | SS       |       | FG/BD      |            | A1.5/K-YO1 | FRESH    |          |       |                |              |         |       |         |          |          | Medium - fine grained sandstone with minor veinlets. One vein sub-horizontal with alteration aureole 2cm either side (~137/5) lighter colour than surrounding country rock   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 135.13 | 135.28 | Ru-Upper Parmeenor Supergroup | SS       |       | FG/BD      |            | A1/W/K1    | FRESH    |          |       |                |              |         |       |         |          |          | Single vein runs sub-parallel to bedding, soft (4.5Moh) 0.75cm, intrudes at right angle.   |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 135.28 | 138.14 | Ru-Upper Parmeenor Supergroup | SS       |       | FG-MG      |            | A1/A2      | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 138.14 | 139.3  | Jdl - Jurassic Dolomite       | SS       |       | FG-MG      |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 139.3  | 150.6  | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 150.6  | 150.75 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 150.75 | 151.8  | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 151.8  | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.35 | Jdl - Jurassic Dolomite       | JDD      |       | MA/FG-VFG  |            | A2         | FRESH    |          |       |                |              |         |       |         |          |          |  |
| KUTH    | SEL 26/2005 | Woodsdale | DD-HQ | 152.35 | 152.3  |                               |          |       |            |            |            |          |          |       |                |              |         |       |         |          |          |  |