

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

**Base of F539 at: S 27°51'55", E 16°53'30"**

**Namaskluft Camp**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F539           | 0.2               | -0.73                                   | -9.46                                   | Dreigratberg    |
| F539           | 1.0               | -1.05                                   | -16.06                                  | Dreigratberg    |
| F539           | 2.0               | -1.56                                   | -15.19                                  | Dreigratberg    |
| F539           | 3.4               | -3.81                                   | -15.01                                  | Dreigratberg    |
| F539           | 4.8               | -3.62                                   | -14.64                                  | Dreigratberg    |
| F539           | 6.3               | -3.85                                   | -14.16                                  | Dreigratberg    |
| F539           | 8.3               | -3.69                                   | -13.83                                  | Dreigratberg    |
| F539           | 11.8              | -3.59                                   | -12.67                                  | Dreigratberg    |
| F539           | 14.0              | -3.34                                   | -11.69                                  | Dreigratberg    |
| F539           | 15.6              | -3.72                                   | -12.32                                  | Dreigratberg    |
| F539           | 17.3              | -3.67                                   | -12.88                                  | Dreigratberg    |
| F539           | 19.0              | -3.62                                   | -12.96                                  | Dreigratberg    |
| F539           | 21.1              | -3.84                                   | -13.38                                  | Dreigratberg    |
| F539           | 23.0              | -3.75                                   | -13.08                                  | Dreigratberg    |
| F539           | 24.0              | -3.60                                   | -13.24                                  | Dreigratberg    |
| F539           | 26.0              | -3.47                                   | -11.93                                  | Dreigratberg    |
| F539           | 27.2              | -3.53                                   | -12.78                                  | Dreigratberg    |
| F539           | 27.7              | -3.12                                   | -10.48                                  | Dreigratberg    |
| F539           | 29.2              | -3.19                                   | -10.14                                  | Dreigratberg    |
| F539           | 30.5              | -2.97                                   | -10.16                                  | Dreigratberg    |

**Base of F547 at: S 27°51'05", E 16°53'30"**

**Namaskluft Camp**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F547           | 0.9               | -2.30                                   | -9.79                                   | Dreigratberg    |
| F547           | 1.6               | -2.70                                   | -10.40                                  | Dreigratberg    |
| F547           | 2.7               | -2.70                                   | -9.29                                   | Dreigratberg    |
| F547           | 5.1               | -2.70                                   | -8.89                                   | Dreigratberg    |
| F547           | 6.7               | -2.90                                   | -6.92                                   | Dreigratberg    |
| F547           | 8.0               | -2.92                                   | -7.06                                   | Dreigratberg    |
| F547           | 11.5              | -2.78                                   | -6.94                                   | Dreigratberg    |
| F547           | 13.3              | -2.57                                   | -7.04                                   | Dreigratberg    |
| F547           | 15.2              | -2.59                                   | -7.92                                   | Dreigratberg    |
| F547           | 16.6              | -2.59                                   | -7.10                                   | Dreigratberg    |
| F547           | 19.0              | -2.63                                   | -6.87                                   | Dreigratberg    |
| F547           | 21.0              | -2.73                                   | -7.03                                   | Dreigratberg    |
| F547           | 23.2              | -2.65                                   | -6.64                                   | Dreigratberg    |
| F547           | 24.8              | -2.62                                   | -6.71                                   | Dreigratberg    |
| F547           | 26.9              | -2.49                                   | -6.69                                   | Dreigratberg    |
| F547           | 29.4              | -2.86                                   | -7.74                                   | Dreigratberg    |
| F547           | 31.8              | -3.02                                   | -7.70                                   | Dreigratberg    |
| F547           | 34.0              | -3.03                                   | -7.74                                   | Dreigratberg    |

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|      |      |       |        |              |
|------|------|-------|--------|--------------|
| F547 | 38.2 | -3.05 | -7.21  | Dreigratberg |
| F547 | 39.3 | -3.65 | -7.14  | Dreigratberg |
| F547 | 46.7 | -4.27 | -9.05  | Dreigratberg |
| F547 | 52.0 | -5.10 | -10.60 | Dreigratberg |
| F547 | 72.5 | -5.55 | -13.21 | Dreigratberg |
| F547 | 82.3 | -5.66 | -13.06 | Dreigratberg |

**Base of C511 at: S 27°52'00", E 16°52'35"**

**Namaskluft Camp**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| C511           | 15                | -3.13                                   | -9.41                                   | Bloeddriif      |
| C511           | 17.4              | -1.54                                   | -8.03                                   | Bloeddriif      |
| C511           | 20.9              | -3.14                                   | -13.98                                  | Bloeddriif      |
| C511           | 22.2              | -2.68                                   | -13.64                                  | Bloeddriif      |
| C511           | 24.9              | -3.24                                   | -11.16                                  | Bloeddriif      |
| C511           | 27.7              | -4.16                                   | -10.24                                  | Bloeddriif      |
| C511           | 29                | -2.60                                   | -6.39                                   | Bloeddriif      |
| C511           | 31.6              | -3.39                                   | -5.19                                   | Bloeddriif      |
| C511           | 32.7              | -0.89                                   | -3.72                                   | Bloeddriif      |
| C511           | 33.4              | -1.69                                   | -7.34                                   | Bloeddriif      |
| C511           | 35.5              | -2.87                                   | -12.29                                  | Bloeddriif      |
| C511           | 38                | -2.61                                   | -12.51                                  | Bloeddriif      |
| C511           | 40                | -2.73                                   | -9.37                                   | Bloeddriif      |
| C511           | 41                | 0.15                                    | -0.65                                   | Bloeddriif      |
| C511           | 44.7              | -1.53                                   | -8.69                                   | Bloeddriif      |
| C511           | 48.2              | -2.23                                   | -12.17                                  | Bloeddriif      |
| C511           | 49.8              | -2.56                                   | -5.82                                   | Bloeddriif      |
| C511           | 52.4              | -1.61                                   | -10.43                                  | Bloeddriif      |
| C511           | 55.6              | -2.25                                   | -13.12                                  | Bloeddriif      |
| C511           | 60                | -1.72                                   | -11.22                                  | Bloeddriif      |
| C511           | 65.7              | -1.70                                   | -12.09                                  | Bloeddriif      |
| C511           | 70.5              | -1.53                                   | -12.93                                  | Bloeddriif      |
| C511           | 77.5              | -1.63                                   | -12.73                                  | Bloeddriif      |
| C511           | 80                | -1.13                                   | -5.84                                   | Bloeddriif      |
| C511           | 83.9              | -1.67                                   | -13.55                                  | Bloeddriif      |
| C511           | 91.8              | -1.76                                   | -14.07                                  | Bloeddriif      |
| C511           | 98.8              | -1.79                                   | -14.67                                  | Bloeddriif      |
| C511           | 104.3             | -1.94                                   | -14.10                                  | Bloeddriif      |
| C511           | 123.7             | -2.82                                   | -14.74                                  | Bloeddriif      |
| C511           | 128.3             | -2.59                                   | -11.40                                  | Bloeddriif      |
| C511           | 141               | -2.17                                   | -15.96                                  | Bloeddriif      |
| C511           | 158.4             | -2.16                                   | -14.20                                  | Bloeddriif      |
| C511           | 165               | -1.77                                   | -14.14                                  | Bloeddriif      |
| C511           | 173.4             | -1.50                                   | -14.35                                  | Bloeddriif      |

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|      |       |       |        |            |
|------|-------|-------|--------|------------|
| C511 | 185   | -1.70 | -14.59 | Bloeddrif  |
| C511 | 276.9 | -2.55 | -16.54 | Wallekraal |
| C511 | 304.2 | -1.68 | -16.96 | Wallekraal |
| C511 | 325.2 | -3.08 | -17.14 | Wallekraal |
| C511 | 399.3 | -2.22 | -17.04 | Wallekraal |
| C511 | 420   | -1.41 | -16.31 | Wallekraal |
| C511 | 453.2 | -2.31 | -14.13 | Wallekraal |

**Base of F801 at: S 27°51'13", E 16°52'32"**

**Namaskluft Camp**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F801           | 23.5              | -8.59                                   | -17.27                                  | Kaigas clast    |
| F801           | 31.5              | -6.66                                   | -17.50                                  | Bloeddrif       |
| F801           | 32.3              | -4.22                                   | -16.60                                  | Bloeddrif       |
| F801           | 33.2              | -3.58                                   | -15.82                                  | Bloeddrif       |
| F801           | 33.9              | -3.76                                   | -15.53                                  | Bloeddrif       |
| F801           | 35.0              | -2.34                                   | -10.68                                  | Bloeddrif       |
| F801           | 36.0              | -2.46                                   | -12.62                                  | Bloeddrif       |
| F801           | 37.0              | -3.29                                   | -14.59                                  | Bloeddrif       |
| F801           | 38.0              | -2.73                                   | -13.09                                  | Bloeddrif       |
| F801           | 38.7              | -2.24                                   | -11.72                                  | Bloeddrif       |
| F801           | 39.5              | -2.36                                   | -12.68                                  | Bloeddrif       |
| F801           | 41.0              | -0.52                                   | -0.82                                   | Bloeddrif       |
| F801           | 42.5              | -3.04                                   | -12.05                                  | Bloeddrif       |
| F801           | 44.0              | -3.30                                   | -11.26                                  | Bloeddrif       |
| F801           | 44.1              | -2.77                                   | -12.96                                  | Bloeddrif       |
| F801           | 45.0              | -3.26                                   | -10.62                                  | Bloeddrif       |
| F801           | 46.0              | -3.08                                   | -11.03                                  | Bloeddrif       |
| F801           | 47.3              | -3.56                                   | -12.63                                  | Bloeddrif       |
| F801           | 48.0              | -3.25                                   | -10.13                                  | Bloeddrif       |
| F801           | 49.4              | -2.76                                   | -10.45                                  | Bloeddrif       |
| F801           | 50.7              | -2.80                                   | -10.62                                  | Bloeddrif       |
| F801           | 51.8              | -2.82                                   | -10.33                                  | Bloeddrif       |
| F801           | 54.0              | -2.40                                   | -11.53                                  | Bloeddrif       |
| F801           | 54.7              | -2.79                                   | -12.92                                  | Bloeddrif       |
| F801           | 57.0              | -1.41                                   | -10.89                                  | Bloeddrif       |
| F801           | 59.0              | -2.33                                   | -13.39                                  | Bloeddrif       |
| F801           | 60.0              | -1.84                                   | -11.17                                  | Bloeddrif       |
| F801           | 65.0              | -2.22                                   | -13.51                                  | Bloeddrif       |
| F801           | 66.0              | -2.24                                   | -12.88                                  | Bloeddrif       |
| F801           | 69.0              | -0.20                                   | -5.29                                   | Bloeddrif       |
| F801           | 71.0              | 1.33                                    | 2.13                                    | Bloeddrif       |
| F801           | 76.5              | -0.50                                   | -4.02                                   | Bloeddrif       |
| F801           | 78.0              | -1.99                                   | -13.88                                  | Bloeddrif       |

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|      |       |       |        |           |
|------|-------|-------|--------|-----------|
| F801 | 80.0  | -1.96 | -14.02 | Bloeddrif |
| F801 | 82.0  | -1.98 | -14.49 | Bloeddrif |
| F801 | 84.0  | -2.02 | -14.34 | Bloeddrif |
| F801 | 91.0  | -1.95 | -14.12 | Bloeddrif |
| F801 | 92.0  | -2.01 | -14.63 | Bloeddrif |
| F801 | 98.8  | -1.74 | -14.46 | Bloeddrif |
| F801 | 101.0 | -1.35 | -12.13 | Bloeddrif |
| F801 | 104.8 | -1.70 | -14.44 | Bloeddrif |

**Base of F804 at: S 28°38'39", E 17°05'33"**

**Kaigas River**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F804           | 4.0               | -0.04                                   | -10.21                                  | Dreigratberg    |
| F804           | 4.5               | -1.53                                   | -11.78                                  | Dreigratberg    |
| F804           | 5.0               | -2.14                                   | -12.49                                  | Dreigratberg    |
| F804           | 5.6               | -2.25                                   | -11.11                                  | Dreigratberg    |
| F804           | 7.1               | -1.51                                   | -7.15                                   | Dreigratberg    |
| F804           | 8.0               | -2.07                                   | -7.82                                   | Dreigratberg    |
| F804           | 9.0               | -2.22                                   | -7.31                                   | Dreigratberg    |
| F804           | 9.9               | -2.43                                   | -6.66                                   | Dreigratberg    |
| F804           | 11.0              | -2.36                                   | -7.41                                   | Dreigratberg    |
| F804           | 12.0              | -1.67                                   | -6.45                                   | Dreigratberg    |
| F804           | 13.0              | -2.40                                   | -6.64                                   | Dreigratberg    |
| F804           | 14.3              | -0.57                                   | -5.83                                   | Dreigratberg    |
| F804           | 16.0              | -0.35                                   | -6.07                                   | Dreigratberg    |
| F804           | 17.0              | -0.21                                   | -5.21                                   | Dreigratberg    |
| F804           | 18.0              | -0.35                                   | -5.35                                   | Dreigratberg    |
| F804           | 19.0              | -0.16                                   | -5.78                                   | Dreigratberg    |
| F804           | 20.2              | -0.79                                   | -5.67                                   | Dreigratberg    |
| F804           | 21.0              | -1.76                                   | -4.75                                   | Dreigratberg    |
| F804           | 21.5              | -0.63                                   | -5.58                                   | Dreigratberg    |
| F804           | 22.4              | -0.47                                   | -5.89                                   | Dreigratberg    |
| F804           | 23.5              | -0.77                                   | -5.82                                   | Dreigratberg    |
| F804           | 24.3              | -4.23                                   | -4.22                                   | Dreigratberg    |
| F804           | 25.0              | -0.57                                   | -6.01                                   | Dreigratberg    |
| F804           | 26.0              | -0.47                                   | -6.11                                   | Dreigratberg    |
| F804           | 27.0              | -0.98                                   | -5.88                                   | Dreigratberg    |
| F804           | 27.9              | -1.06                                   | -6.24                                   | Dreigratberg    |
| F804           | 29.0              | -0.82                                   | -5.71                                   | Dreigratberg    |
| F804           | 30.0              | -0.59                                   | -5.59                                   | Dreigratberg    |
| F804           | 31.0              | -0.66                                   | -6.27                                   | Dreigratberg    |
| F804           | 32.0              | -0.27                                   | -5.97                                   | Dreigratberg    |
| F804           | 33.0              | 0.04                                    | -6.02                                   | Dreigratberg    |
| F804           | 34.0              | 0.08                                    | -6.62                                   | Dreigratberg    |

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|      |      |       |       |              |
|------|------|-------|-------|--------------|
| F804 | 34.8 | 0.17  | -6.35 | Dreigratberg |
| F804 | 36.0 | 0.03  | -6.09 | Dreigratberg |
| F804 | 37.0 | 0.12  | -6.42 | Dreigratberg |
| F804 | 37.8 | 0.01  | -6.27 | Dreigratberg |
| F804 | 38.4 | -0.03 | -6.60 | Dreigratberg |
| F804 | 41.5 | -1.44 | -3.86 | Dreigratberg |
| F804 | 43.0 | -0.21 | -6.36 | Dreigratberg |
| F804 | 45.0 | -0.29 | -5.76 | Dreigratberg |

**Base of F805 at: S 28°39'32", E 17°06'33"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Holgat River<br/>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|----------------------------------|
| F805           | 76.0              | -0.94                                   | -10.11                                  | lower Holgat                     |
| F805           | 80.0              | 0.14                                    | -12.16                                  | lower Holgat                     |
| F805           | 84.0              | 0.38                                    | -3.45                                   | lower Holgat                     |
| F805           | 88.0              | 0.56                                    | -11.96                                  | lower Holgat                     |
| F805           | 90.0              | 1.31                                    | -13.86                                  | lower Holgat                     |
| F805           | 92.0              | -0.28                                   | -10.95                                  | lower Holgat                     |
| F805           | 102.0             | 1.88                                    | -2.70                                   | lower Holgat                     |
| F805           | 106.0             | 1.31                                    | -12.63                                  | lower Holgat                     |
| F805           | 110.0             | 1.82                                    | -3.56                                   | lower Holgat                     |
| F805           | 116.0             | 1.70                                    | -11.06                                  | lower Holgat                     |
| F805           | 124.0             | 1.19                                    | -9.45                                   | lower Holgat                     |
| F805           | 129.0             | 1.21                                    | -12.67                                  | lower Holgat                     |
| F805           | 140.5             | 4.11                                    | -14.67                                  | lower Holgat                     |
| F805           | 150.0             | 4.00                                    | -11.03                                  | lower Holgat                     |
| F805           | 153.0             | 4.53                                    | -14.49                                  | lower Holgat                     |
| F805           | 158.0             | 5.49                                    | -14.61                                  | lower Holgat                     |
| F805           | 163.0             | -0.57                                   | -15.25                                  | lower Holgat                     |
| F805           | 170.0             | 6.04                                    | -15.11                                  | lower Holgat                     |
| F805           | 172.0             | 6.83                                    | -14.31                                  | lower Holgat                     |
| F805           | 175.0             | 6.77                                    | -12.78                                  | lower Holgat                     |
| F805           | 177.0             | 7.09                                    | -14.57                                  | lower Holgat                     |
| F805           | 179.0             | 6.84                                    | -13.74                                  | lower Holgat                     |
| F805           | 184.0             | 7.21                                    | -13.49                                  | lower Holgat                     |
| F805           | 190.0             | 4.71                                    | -6.13                                   | lower Holgat                     |
| F805           | 194.0             | 3.89                                    | -13.55                                  | lower Holgat                     |

**Base of F806 at : S28 39'11.0", E17 06'32.2"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Kaigas River<br/>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|----------------------------------|
| F806           | 0.3               | -5.45                                   | -15.12                                  | Bloeddrif                        |
| F806           | 0.9               | -2.90                                   | -15.97                                  | Bloeddrif                        |
| F806           | 1.7               | -3.30                                   | -13.02                                  | Bloeddrif                        |
| F806           | 2.2               | -2.18                                   | -14.82                                  | Bloeddrif                        |

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|      |      |       |        |           |
|------|------|-------|--------|-----------|
| F806 | 2.6  | -2.24 | -14.99 | Bloeddrif |
| F806 | 3    | -2.16 | -15.25 | Bloeddrif |
| F806 | 3.5  | -1.84 | -14.56 | Bloeddrif |
| F806 | 4    | -2.78 | -11.69 | Bloeddrif |
| F806 | 4.6  | -1.74 | -15.67 | Bloeddrif |
| F806 | 5    | -1.56 | -10.80 | Bloeddrif |
| F806 | 6.1  | -1.22 | -14.36 | Bloeddrif |
| F806 | 6.5  | -1.05 | -13.71 | Bloeddrif |
| F806 | 7.1  | -1.39 | -14.21 | Bloeddrif |
| F806 | 7.5  | -3.26 | -2.38  | Bloeddrif |
| F806 | 8    | -3.86 | -7.85  | Bloeddrif |
| F806 | 9.5  | -1.43 | -12.73 | Bloeddrif |
| F806 | 10   | -1.52 | -14.55 | Bloeddrif |
| F806 | 10.5 | -1.31 | -14.91 | Bloeddrif |
| F806 | 11   | -1.20 | -12.94 | Bloeddrif |

**Base of F807 at: S 28°22'52", E 16°50'06"**

| Section | Height (m) | $\delta^{13}\text{C}$ | $\delta^{18}\text{O}$ | Map Unit  |
|---------|------------|-----------------------|-----------------------|-----------|
| F807    | 0.5        | -1.57                 | -15.01                | Bloeddrif |
| F807    | 1.1        | -3.77                 | -8.66                 | Bloeddrif |
| F807    | 2          | -3.50                 | -6.43                 | Bloeddrif |
| F807    | 3.2        | -2.53                 | -5.17                 | Bloeddrif |
| F807    | 4.7        | -2.96                 | -4.60                 | Bloeddrif |
| F807    | 6          | -4.00                 | -4.18                 | Bloeddrif |
| F807    | 7          | -4.33                 | -4.03                 | Bloeddrif |
| F807    | 8          | -4.61                 | -4.65                 | Bloeddrif |
| F807    | 10         | -4.81                 | -4.28                 | Bloeddrif |
| F807    | 11         | -1.18                 | -4.12                 | Bloeddrif |

**Base of F808 at: S 28°19'25", E 16°55'11"**

| Section | Height (m) | $\delta^{13}\text{C}$ | $\delta^{18}\text{O}$ | Map Unit  |
|---------|------------|-----------------------|-----------------------|-----------|
| F808    | 0          | -6.43                 | -15.60                | Bloeddrif |
| F808    | 0.5        | -5.98                 | -15.29                | Bloeddrif |
| F808    | 1          | -6.92                 | -15.80                | Bloeddrif |
| F808    | 1.5        | -1.62                 | -15.85                | Bloeddrif |
| F808    | 2          | -5.44                 | -13.03                | Bloeddrif |
| F808    | 2.5        | -6.08                 | -14.53                | Bloeddrif |
| F808    | 3          | -5.22                 | -15.64                | Bloeddrif |
| F808    | 3.3        | -6.41                 | -12.40                | Bloeddrif |
| F808    | 27.5       | -6.29                 | -12.02                | Bloeddrif |
| F808    | 48         | -3.49                 | -11.10                | Bloeddrif |
| F808    | 50         | -3.72                 | -15.76                | Bloeddrif |
| F808    | 54.5       | -3.06                 | -13.83                | Bloeddrif |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |    |       |        |           |
|------|----|-------|--------|-----------|
| F808 | 56 | -1.74 | -14.00 | Bloeddrif |
| F808 | 58 | -1.84 | -14.20 | Bloeddrif |
| F808 | 60 | -1.88 | -13.02 | Bloeddrif |
| F808 | 62 | -1.54 | -13.72 | Bloeddrif |

**Base of F810 at: S 28°19', E 16°59'**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F810           | 1                 | 1.71                                    | -9.12                                   | Wallekraal      |
| F810           | 2.1               | 1.38                                    | -10.84                                  | Wallekraal      |
| F810           | 3                 | 1.59                                    | -13.34                                  | Wallekraal      |
| F810           | 8                 | 2.46                                    | 0.63                                    | Wallekraal      |
| F810           | 60                | 4.25                                    | -6.85                                   | Dabbie River    |
| F810           | 69                | 4.05                                    | -5.83                                   | Dabbie River    |
| F810           | 71                | 3.89                                    | -5.84                                   | Dabbie River    |
| F810           | 78                | 4.90                                    | -6.32                                   | Dabbie River    |
| F810           | 85                | 4.89                                    | -5.69                                   | Dabbie River    |
| F810           | 89                | 3.70                                    | -4.92                                   | Dabbie River    |
| F810           | 93                | 4.37                                    | -5.54                                   | Dabbie River    |
| F810           | 107               | 4.46                                    | -7.15                                   | Dabbie River    |
| F810           | 116               | 4.91                                    | -6.58                                   | Dabbie River    |
| F810           | 128               | 4.01                                    | -5.17                                   | Dabbie River    |
| F810           | 136               | 4.65                                    | -7.98                                   | Dabbie River    |
| F810           | 137               | 5.48                                    | -9.68                                   | Dabbie River    |
| F810           | 144               | 3.81                                    | -8.62                                   | Dabbie River    |
| F810           | 148               | 4.05                                    | -11.21                                  | Dabbie River    |

**Numees Mine**

**Base of F811 at: S 28°18', E 16°59'**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F811           | 0.0               | -5.95                                   | -13.48                                  | Bloeddrif       |
| F811           | 1.0               | -4.26                                   | -17.14                                  | Bloeddrif       |
| F811           | 3.0               | -3.90                                   | -17.02                                  | Bloeddrif       |
| F811           | 5.0               | -3.11                                   | -14.98                                  | Bloeddrif       |
| F811           | 7.0               | -2.88                                   | -16.04                                  | Bloeddrif       |
| F811           | 13.0              | -0.55                                   | -6.55                                   | Bloeddrif       |
| F811           | 16.0              | -2.32                                   | -11.49                                  | Bloeddrif       |
| F811           | 20.0              | -3.52                                   | -9.17                                   | Bloeddrif       |
| F811           | 24.0              | -2.00                                   | -10.73                                  | Bloeddrif       |
| F811           | 26.2              | -1.90                                   | -5.03                                   | Bloeddrif       |
| F811           | 28.0              | -2.19                                   | -8.13                                   | Bloeddrif       |
| F811           | 32.0              | -1.92                                   | -4.62                                   | Bloeddrif       |
| F811           | 36.0              | -2.53                                   | -13.94                                  | Bloeddrif       |
| F811           | 41.0              | -2.69                                   | -12.85                                  | Bloeddrif       |

**Numees Mine**

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

**Base of F816 at: S 28°06'23", E 16°52'53"**

**Dreigratberg**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F816           | 0.5               | -3.86                                   | -14.70                                  | Bloeddrif       |
| F816           | 1.1               | -5.98                                   | -15.71                                  | Bloeddrif       |
| F816           | 1.8               | -4.83                                   | -15.18                                  | Bloeddrif       |
| F816           | 4.0               | -4.70                                   | -10.77                                  | Bloeddrif       |
| F816           | 4.8               | -3.81                                   | -6.21                                   | Bloeddrif       |
| F816           | 6.0               | -3.93                                   | -10.33                                  | Bloeddrif       |
| F816           | 8.1               | -4.54                                   | -12.09                                  | Bloeddrif       |
| F816           | 18.5              | 0.01                                    | -14.43                                  | lower Holgat    |
| F816           | 20.0              | 0.51                                    | -14.45                                  | lower Holgat    |
| F816           | 22.0              | 1.16                                    | -13.89                                  | lower Holgat    |
| F816           | 27.0              | 0.45                                    | -13.70                                  | lower Holgat    |
| F816           | 38.5              | 0.79                                    | -13.57                                  | lower Holgat    |
| F816           | 50.0              | 1.89                                    | -12.83                                  | lower Holgat    |
| F816           | 54.0              | -1.00                                   | -14.05                                  | lower Holgat    |
| F816           | 58.4              | -3.42                                   | -12.37                                  | lower Holgat    |
| F816           | 60.0              | -4.63                                   | -6.75                                   | lower Holgat    |
| F816           | 76.0              | -9.00                                   | -13.56                                  | lower Holgat    |
| F816           | 88.5              | -1.62                                   | -10.71                                  | Dreigratberg    |
| F816           | 90.0              | -2.30                                   | -9.08                                   | Dreigratberg    |
| F816           | 97.0              | -3.57                                   | -10.35                                  | Dreigratberg    |
| F816           | 100.5             | -3.88                                   | -9.47                                   | Dreigratberg    |
| F816           | 102.0             | -3.90                                   | -8.90                                   | Dreigratberg    |
| F816           | 114.0             | -3.27                                   | -9.67                                   | Dreigratberg    |
| F816           | 115.0             | -3.12                                   | -10.21                                  | Dreigratberg    |
| F816           | 118.0             | -2.89                                   | -10.36                                  | Dreigratberg    |
| F816           | 119.4             | -2.07                                   | -9.25                                   | Dreigratberg    |
| F816           | 129.0             | -0.69                                   | -9.24                                   | Dreigratberg    |
| F816           | 137.0             | -2.01                                   | -10.66                                  | Dreigratberg    |
| F816           | 148.0             | -2.27                                   | -11.73                                  | Dreigratberg    |
| F816           | 156.0             | -2.29                                   | -11.25                                  | Dreigratberg    |
| F816           | 170.0             | 0.86                                    | -7.28                                   | upper Holgat    |
| F816           | 178.0             | 0.79                                    | -6.47                                   | upper Holgat    |
| F816           | 182.0             | 3.05                                    | -3.57                                   | upper Holgat    |
| F816           | 186.0             | 1.46                                    | -4.28                                   | upper Holgat    |
| F816           | 190.0             | 1.56                                    | -4.01                                   | upper Holgat    |
| F816           | 198.0             | 0.31                                    | -6.44                                   | upper Holgat    |
| F816           | 199.5             | 0.36                                    | -7.08                                   | upper Holgat    |
| F816           | 201.0             | 0.18                                    | -6.86                                   | upper Holgat    |
| F816           | 203.0             | 0.80                                    | -6.31                                   | upper Holgat    |
| F816           | 215.0             | 2.03                                    | -2.90                                   | upper Holgat    |
| F816           | 219.0             | 2.41                                    | -3.63                                   | upper Holgat    |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |       |       |              |
|------|-------|-------|-------|--------------|
| F816 | 224.0 | 2.98  | -2.10 | upper Holgat |
| F816 | 229.0 | 0.72  | -4.05 | upper Holgat |
| F816 | 231.5 | 0.27  | -4.05 | upper Holgat |
| F816 | 234.0 | 2.41  | -2.28 | upper Holgat |
| F816 | 236.0 | 3.65  | -2.05 | upper Holgat |
| F816 | 237.0 | 3.78  | -2.30 | upper Holgat |
| F816 | 238.0 | 4.14  | -2.18 | upper Holgat |
| F816 | 241.0 | 4.91  | -0.99 | upper Holgat |
| F816 | 256.0 | 4.02  | -4.79 | upper Holgat |
| F816 | 259.0 | 2.93  | -5.02 | upper Holgat |
| F816 | 266.0 | 0.33  | -7.56 | upper Holgat |
| F816 | 267.0 | 0.33  | -7.82 | upper Holgat |
| F816 | 285.0 | 4.12  | -3.65 | upper Holgat |
| F816 | 299.0 | 0.26  | -5.55 | upper Holgat |
| F816 | 350.0 | -0.06 | -4.44 | upper Holgat |
| F816 | 353.0 | 0.93  | -2.02 | upper Holgat |
| F816 | 357.0 | 2.01  | -3.63 | upper Holgat |
| F816 | 359.0 | 2.04  | -1.28 | upper Holgat |
| F816 | 361.0 | 2.36  | -0.92 | upper Holgat |
| F816 | 363.0 | 3.42  | -1.77 | upper Holgat |
| F816 | 365.0 | 3.15  | -1.79 | upper Holgat |
| F816 | 367.0 | 2.31  | -5.09 | upper Holgat |
| F816 | 371.0 | 2.72  | -4.10 | upper Holgat |
| F816 | 375.0 | 3.75  | -3.27 | upper Holgat |
| F816 | 379.0 | 3.50  | -1.93 | upper Holgat |
| F816 | 383.0 | 1.77  | -3.15 | upper Holgat |

**Base of F817 at: S 27°51'53", E 16°53'57"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F817           | 0.5               | 1.65                                    | -1.99                                   | Dreigratberg    |
| F817           | 1.0               | -2.52                                   | -15.12                                  | Dreigratberg    |
| F817           | 1.7               | -3.21                                   | -16.22                                  | Dreigratberg    |
| F817           | 2.1               | -3.76                                   | -13.82                                  | Dreigratberg    |
| F817           | 2.3               | -3.93                                   | -15.48                                  | Dreigratberg    |
| F817           | 2.9               | -3.27                                   | -17.32                                  | Dreigratberg    |
| F817           | 4.0               | -3.19                                   | -19.13                                  | Dreigratberg    |
| F817           | 5.5               | -3.20                                   | -15.26                                  | Dreigratberg    |
| F817           | 5.8               | -3.69                                   | -15.47                                  | Dreigratberg    |
| F817           | 6.2               | -3.62                                   | -15.50                                  | Dreigratberg    |
| F817           | 6.8               | -3.74                                   | -15.37                                  | Dreigratberg    |
| F817           | 7.5               | -3.65                                   | -15.96                                  | Dreigratberg    |
| F817           | 8.0               | -3.61                                   | -15.59                                  | Dreigratberg    |
| F817           | 8.5               | -3.53                                   | -14.78                                  | Dreigratberg    |

**Namaskluft Camp**

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |       |        |              |
|------|-------|-------|--------|--------------|
| F817 | 9.0   | -3.57 | -15.14 | Dreigratberg |
| F817 | 9.5   | -3.54 | -15.54 | Dreigratberg |
| F817 | 10.0  | -3.52 | -14.73 | Dreigratberg |
| F817 | 10.7  | -3.57 | -14.81 | Dreigratberg |
| F817 | 11.3  | -3.49 | -14.53 | Dreigratberg |
| F817 | 12.0  | -3.37 | -14.43 | Dreigratberg |
| F817 | 12.3  | -3.43 | -14.07 | Dreigratberg |
| F817 | 13.0  | -3.18 | -13.22 | Dreigratberg |
| F817 | 13.7  | -2.93 | -12.38 | Dreigratberg |
| F817 | 14.1  | -2.72 | -11.57 | Dreigratberg |
| F817 | 15.1  | -2.78 | -11.74 | Dreigratberg |
| F817 | 16.0  | -2.73 | -9.86  | Dreigratberg |
| F817 | 17.0  | -2.78 | -9.37  | Dreigratberg |
| F817 | 18.0  | -2.80 | -8.45  | Dreigratberg |
| F817 | 19.0  | -2.96 | -8.91  | Dreigratberg |
| F817 | 21.0  | -2.90 | -9.38  | Dreigratberg |
| F817 | 23.0  | -2.86 | -9.17  | Dreigratberg |
| F817 | 25.0  | -2.84 | -8.48  | Dreigratberg |
| F817 | 45.0  | -3.63 | -10.81 | Dreigratberg |
| F817 | 46.3  | -3.65 | -11.39 | Dreigratberg |
| F817 | 64.0  | -4.21 | -12.86 | Dreigratberg |
| F817 | 66.0  | -4.25 | -12.57 | Dreigratberg |
| F817 | 69.0  | -4.64 | -13.77 | Dreigratberg |
| F817 | 71.0  | -4.92 | -14.55 | Dreigratberg |
| F817 | 83.0  | -4.19 | -12.15 | Dreigratberg |
| F817 | 101.0 | -4.58 | -13.61 | Dreigratberg |
| F817 | 113.0 | -5.35 | -14.28 | Dreigratberg |
| F817 | 148.0 | -5.28 | -14.68 | Dreigratberg |
| F817 | 149.0 | -5.56 | -14.82 | Dreigratberg |
| F817 | 150.0 | -5.49 | -15.20 | Dreigratberg |
| F817 | 166.0 | -5.54 | -15.13 | Dreigratberg |
| F817 | 175.0 | -5.02 | -17.90 | Dreigratberg |
| F817 | 200.0 | -5.50 | -14.72 | Dreigratberg |
| F817 | 217.0 | -5.46 | -14.38 | Dreigratberg |
| F817 | 218.0 | -5.49 | -14.25 | Dreigratberg |
| F817 | 232.0 | -5.55 | -14.03 | Dreigratberg |
| F817 | 240.0 | -5.71 | -11.62 | Dreigratberg |
| F817 | 241.0 | -5.36 | -13.76 | Dreigratberg |
| F817 | 244.0 | -5.44 | -13.77 | Dreigratberg |
| F817 | 248.0 | -3.62 | -9.69  | Dreigratberg |
| F817 | 255.0 | -4.77 | -12.43 | Dreigratberg |
| F817 | 260.0 | -5.61 | -11.60 | Dreigratberg |
| F817 | 261.0 | -5.37 | -13.75 | Dreigratberg |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |       |        |              |
|------|-------|-------|--------|--------------|
| F817 | 268.0 | -5.45 | -13.72 | Dreigratberg |
| F817 | 278.0 | -5.39 | -13.45 | Dreigratberg |
| F817 | 283.0 | -5.32 | -13.58 | Dreigratberg |
| F817 | 284.0 | -5.34 | -13.75 | Dreigratberg |
| F817 | 290.0 | -5.34 | -13.56 | Dreigratberg |
| F817 | 292.0 | -5.50 | -13.79 | Dreigratberg |
| F817 | 296.0 | -5.19 | -13.51 | Dreigratberg |
| F817 | 311.0 | -5.48 | -13.32 | Dreigratberg |
| F817 | 312.0 | -5.48 | -13.48 | Dreigratberg |
| F817 | 314.0 | -5.12 | -14.30 | Dreigratberg |
| F817 | 318.0 | -5.61 | -13.75 | Dreigratberg |
| F817 | 320.0 | -5.56 | -12.58 | Dreigratberg |
| F817 | 321.0 | -5.46 | -13.37 | Dreigratberg |
| F817 | 322.0 | -5.36 | -13.34 | Dreigratberg |
| F817 | 323.5 | -5.54 | -12.76 | Dreigratberg |
| F817 | 325.0 | -5.30 | -12.69 | Dreigratberg |
| F817 | 327.0 | -5.30 | -12.29 | Dreigratberg |
| F817 | 329.0 | -5.15 | -14.44 | Dreigratberg |
| F817 | 331.0 | -5.11 | -10.92 | Dreigratberg |
| F817 | 334.0 | -5.22 | -14.56 | Dreigratberg |
| F817 | 336.0 | -5.03 | -11.45 | Dreigratberg |

**Base of F818 at: S 28°00'29", E 16°51'19"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F818           | 0.2               | -0.02                                   | -7.15                                   | Dreigratberg    |
| F818           | 0.7               | -1.13                                   | -7.33                                   | Dreigratberg    |
| F818           | 1.0               | -1.37                                   | -7.54                                   | Dreigratberg    |
| F818           | 1.5               | -1.95                                   | -7.74                                   | Dreigratberg    |
| F818           | 2.0               | -2.14                                   | -7.83                                   | Dreigratberg    |
| F818           | 2.5               | -2.23                                   | -7.87                                   | Dreigratberg    |
| F818           | 3.0               | -2.06                                   | -7.37                                   | Dreigratberg    |
| F818           | 5.0               | -2.19                                   | -8.00                                   | Dreigratberg    |
| F818           | 7.0               | -1.96                                   | -7.63                                   | Dreigratberg    |
| F818           | 9.0               | -2.13                                   | -6.91                                   | Dreigratberg    |
| F818           | 11.0              | -1.83                                   | -7.05                                   | Dreigratberg    |
| F818           | 13.0              | -1.83                                   | -7.22                                   | Dreigratberg    |
| F818           | 15.0              | -1.91                                   | -7.37                                   | Dreigratberg    |
| F818           | 17.0              | -1.85                                   | -7.06                                   | Dreigratberg    |
| F818           | 19.0              | -1.87                                   | -7.05                                   | Dreigratberg    |
| F818           | 21.0              | -2.16                                   | -7.12                                   | Dreigratberg    |
| F818           | 23.0              | -1.82                                   | -7.63                                   | Dreigratberg    |
| F818           | 25.0              | -1.83                                   | -6.78                                   | Dreigratberg    |
| F818           | 27.0              | -1.84                                   | -7.04                                   | Dreigratberg    |

**Namaskluft Farm**

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |      |       |       |              |
|------|------|-------|-------|--------------|
| F818 | 29.0 | -2.04 | -7.04 | Dreigratberg |
| F818 | 31.0 | -1.90 | -7.06 | Dreigratberg |
| F818 | 33.0 | -2.08 | -6.66 | Dreigratberg |
| F818 | 35.0 | -1.93 | -6.76 | Dreigratberg |
| F818 | 37.0 | -2.34 | -7.02 | Dreigratberg |
| F818 | 39.0 | -2.90 | -6.85 | Dreigratberg |

**Base of F819 at: S 28°00'47", E 16°51'32"**

**Namaskluft Farm**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F819           | 15.0              | -2.07                                   | -15.46                                  | Bloeddrif       |
| F819           | 15.5              | -1.74                                   | -17.04                                  | Bloeddrif       |
| F819           | 16.0              | -1.03                                   | -15.86                                  | Bloeddrif       |
| F819           | 16.5              | -1.03                                   | -16.58                                  | Bloeddrif       |
| F819           | 17.0              | 2.21                                    | -14.97                                  | Bloeddrif       |
| F819           | 17.5              | 2.46                                    | -12.80                                  | Bloeddrif       |
| F819           | 18.5              | -1.38                                   | -15.71                                  | Bloeddrif       |
| F819           | 20.0              | 1.65                                    | -11.81                                  | lower Holgat    |
| F819           | 21.0              | -0.48                                   | -14.25                                  | lower Holgat    |
| F819           | 22.0              | 0.95                                    | -13.02                                  | lower Holgat    |
| F819           | 23.0              | 1.38                                    | -12.99                                  | lower Holgat    |
| F819           | 24.0              | 1.34                                    | -12.19                                  | lower Holgat    |
| F819           | 24.5              | 2.27                                    | -11.63                                  | lower Holgat    |
| F819           | 33.0              | 2.70                                    | -8.79                                   | lower Holgat    |
| F819           | 37.0              | 2.68                                    | -8.00                                   | lower Holgat    |
| F819           | 40.0              | 0.22                                    | -8.23                                   | lower Holgat    |
| F819           | 42.0              | 0.66                                    | -7.84                                   | lower Holgat    |
| F819           | 44.0              | 0.14                                    | -7.34                                   | lower Holgat    |
| F819           | 48.0              | 2.28                                    | -9.45                                   | lower Holgat    |
| F819           | 50.0              | 2.35                                    | -9.48                                   | lower Holgat    |
| F819           | 52.0              | 0.95                                    | -9.35                                   | lower Holgat    |
| F819           | 53.5              | 7.30                                    | -4.25                                   | lower Holgat    |
| F819           | 59.0              | 6.39                                    | -5.63                                   | lower Holgat    |
| F819           | 64.0              | 7.45                                    | -5.00                                   | lower Holgat    |
| F819           | 70.0              | 5.85                                    | -7.82                                   | lower Holgat    |
| F819           | 77.0              | 4.36                                    | -4.96                                   | lower Holgat    |
| F819           | 81.0              | 6.39                                    | -3.49                                   | lower Holgat    |
| F819           | 86.0              | 3.41                                    | -6.47                                   | lower Holgat    |
| F819           | 107.0             | 3.58                                    | -7.23                                   | lower Holgat    |
| F819           | 111.0             | 5.94                                    | -6.62                                   | lower Holgat    |
| F819           | 115.0             | 7.86                                    | -4.95                                   | lower Holgat    |
| F819           | 125.0             | 7.33                                    | -6.03                                   | lower Holgat    |
| F819           | 133.5             | 6.86                                    | -7.12                                   | lower Holgat    |
| F819           | 134.5             | 6.27                                    | -10.90                                  | lower Holgat    |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |       |        |              |
|------|-------|-------|--------|--------------|
| F819 | 146.0 | 6.63  | -8.81  | lower Holgat |
| F819 | 208.0 | -0.13 | -12.27 | lower Holgat |
| F819 | 219.0 | -2.49 | -11.86 | lower Holgat |
| F819 | 226.0 | 2.32  | -8.35  | Dabie River  |
| F819 | 227.0 | 5.18  | -6.06  | Dabie River  |
| F819 | 229.0 | 3.26  | -6.90  | Dabie River  |
| F819 | 231.0 | -0.56 | -8.65  | Dabie River  |
| F819 | 233.0 | -3.28 | -6.68  | Dabie River  |
| F819 | 235.0 | -2.72 | -6.26  | Dabie River  |
| F819 | 238.0 | -2.52 | -7.30  | Dabie River  |
| F819 | 242.0 | -1.41 | -8.16  | Dabie River  |
| F819 | 244.0 | -0.42 | -8.05  | Dabie River  |
| F819 | 246.0 | 0.38  | -8.10  | Dabie River  |
| F819 | 247.0 | 0.59  | -7.60  | Dabie River  |
| F819 | 248.0 | -0.73 | -7.39  | Dabie River  |
| F819 | 249.0 | -1.05 | -6.84  | Dabie River  |
| F819 | 250.0 | -1.39 | -6.76  | Dabie River  |
| F819 | 251.0 | -2.29 | -7.16  | Dabie River  |
| F819 | 252.0 | -1.77 | -7.04  | Dabie River  |
| F819 | 253.0 | -1.48 | -6.91  | Dabie River  |
| F819 | 281.0 | 4.35  | -3.27  | Numees       |
| F819 | 285.0 | -0.26 | -7.42  | Dreigratberg |
| F819 | 285.5 | -1.30 | -7.51  | Dreigratberg |
| F819 | 286.0 | -2.32 | -7.36  | Dreigratberg |
| F819 | 286.5 | -2.33 | -7.59  | Dreigratberg |
| F819 | 287.0 | -2.03 | -7.43  | Dreigratberg |
| F819 | 287.5 | -2.20 | -7.33  | Dreigratberg |
| F819 | 288.0 | -2.15 | -7.32  | Dreigratberg |
| F819 | 289.0 | -2.22 | -7.83  | Dreigratberg |
| F819 | 290.0 | -2.09 | -7.60  | Dreigratberg |
| F819 | 291.0 | -2.30 | -7.06  | Dreigratberg |
| F819 | 292.0 | -2.51 | -6.65  | Dreigratberg |
| F819 | 293.0 | -2.59 | -6.81  | Dreigratberg |
| F819 | 294.0 | -2.27 | -7.24  | Dreigratberg |
| F819 | 295.0 | -2.67 | -6.76  | Dreigratberg |

**Base of F820 at: S 28°00'47", E 16°51'32"**

**Namaskluft Farm**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F820           | 249.0             | -2.50                                   | -5.20                                   | Bloeddrif       |
| F820           | 251.0             | -3.02                                   | -5.23                                   | Bloeddrif       |
| F820           | 252.0             | -3.73                                   | -5.82                                   | Bloeddrif       |
| F820           | 253.0             | -3.48                                   | -5.53                                   | Bloeddrif       |
| F820           | 254.0             | -3.80                                   | -4.01                                   | Bloeddrif       |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |       |       |           |
|------|-------|-------|-------|-----------|
| F820 | 255.0 | -4.03 | -5.48 | Bloeddrif |
| F820 | 257.0 | -3.90 | -6.06 | Bloeddrif |
| F820 | 258.0 | -3.39 | -6.13 | Bloeddrif |
| F820 | 259.0 | -3.21 | -7.00 | Bloeddrif |
| F820 | 260.0 | -3.13 | -7.28 | Bloeddrif |
| F820 | 261.0 | -2.64 | -7.70 | Bloeddrif |
| F820 | 262.0 | -2.64 | -7.74 | Bloeddrif |

**Base of F823 at: S 27°48'25", E 16°39'53"**

**Trekpoort Farm**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F823           | 1                 | 2.62                                    | -15.08                                  | Picklehaube     |
| F823           | 2.6               | 0.89                                    | -14.38                                  | Picklehaube     |
| F823           | 6                 | 2.11                                    | -15.47                                  | Picklehaube     |
| F823           | 52                | -0.74                                   | -13.06                                  | Picklehaube     |
| F823           | 88                | 3.64                                    | -9.33                                   | Picklehaube     |
| F823           | 89                | 0.64                                    | -13.43                                  | Picklehaube     |
| F823           | 91                | 2.46                                    | -9.63                                   | Picklehaube     |
| F823           | 93                | 3.94                                    | -5.88                                   | Picklehaube     |
| F823           | 95                | 0.17                                    | -10.95                                  | Picklehaube     |
| F823           | 97                | 1.69                                    | -9.63                                   | Picklehaube     |
| F823           | 127.5             | -4.78                                   | -13.41                                  | Picklehaube     |
| F823           | 128.5             | -4.70                                   | -11.61                                  | Picklehaube     |
| F823           | 131               | -1.79                                   | -14.03                                  | Picklehaube     |
| F823           | 143               | -0.71                                   | -12.26                                  | Picklehaube     |
| F823           | 208               | -1.32                                   | -7.93                                   | Numees          |

**Base of F824 at: S 27°45'15", E 16°38'24"**

**Trekpoort Farm**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F824           | 1                 | 0.59                                    | -14.50                                  | Hilda Sgp.      |
| F824           | 14                | 4.08                                    | -13.37                                  | Hilda Sgp.      |
| F824           | 18                | 5.79                                    | -13.06                                  | Hilda Sgp.      |
| F824           | 19                | 4.01                                    | -13.55                                  | Hilda Sgp.      |
| F824           | 20.5              | 4.75                                    | -11.72                                  | Hilda Sgp.      |
| F824           | 21.5              | 4.95                                    | -11.60                                  | Hilda Sgp.      |
| F824           | 23.5              | 5.88                                    | -10.23                                  | Hilda Sgp.      |
| F824           | 24.5              | 5.52                                    | -10.33                                  | Hilda Sgp.      |
| F824           | 26                | 4.83                                    | -9.99                                   | Hilda Sgp.      |
| F824           | 34                | 4.72                                    | -10.66                                  | Hilda Sgp.      |
| F824           | 35.5              | 3.93                                    | -12.37                                  | Hilda Sgp.      |
| F824           | 48.5              | 4.76                                    | -10.21                                  | Hilda Sgp.      |
| F824           | 51                | 6.70                                    | -10.46                                  | Hilda Sgp.      |
| F824           | 69                | 4.28                                    | -7.82                                   | Hilda Sgp.      |
| F824           | 201.3             | 7.33                                    | -13.44                                  | Hilda Sgp.      |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |       |      |        |            |
|------|-------|------|--------|------------|
| F824 | 201.8 | 7.07 | -14.70 | Hilda Sgp. |
| F824 | 202.5 | 6.09 | -13.11 | Hilda Sgp. |
| F824 | 204.5 | 6.86 | -13.89 | Hilda Sgp. |
| F824 | 205.5 | 7.20 | -13.56 | Hilda Sgp. |
| F824 | 207.5 | 6.27 | -14.84 | Hilda Sgp. |

**Base of F826 at: S 27°48'24", E 16°53'15"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F826           | 39.0              | -0.41                                   | -11.06                                  | Walekrall       |
| F826           | 108.0             | 2.08                                    | -8.21                                   | lower Holgat    |
| F826           | 115.0             | 2.95                                    | -12.13                                  | lower Holgat    |
| F826           | 122.0             | 2.45                                    | -11.31                                  | lower Holgat    |
| F826           | 138.0             | 1.88                                    | -11.14                                  | lower Holgat    |
| F826           | 176.0             | 2.15                                    | -11.30                                  | lower Holgat    |
| F826           | 180.0             | 2.44                                    | -12.42                                  | lower Holgat    |
| F826           | 184.0             | 2.44                                    | -11.74                                  | lower Holgat    |
| F826           | 190.0             | 2.68                                    | -13.18                                  | lower Holgat    |
| F826           | 193.0             | 2.78                                    | -11.18                                  | lower Holgat    |
| F826           | 197.0             | 2.83                                    | -10.54                                  | lower Holgat    |
| F826           | 203.0             | 2.40                                    | -10.58                                  | lower Holgat    |
| F826           | 206.0             | 2.55                                    | -11.33                                  | lower Holgat    |
| F826           | 210.0             | 2.54                                    | -11.46                                  | lower Holgat    |
| F826           | 214.0             | 1.99                                    | -11.12                                  | lower Holgat    |
| F826           | 218.0             | 2.17                                    | -11.30                                  | lower Holgat    |
| F826           | 224.0             | 2.46                                    | -9.97                                   | lower Holgat    |
| F826           | 229.0             | 2.51                                    | -10.42                                  | lower Holgat    |
| F826           | 234.0             | 2.52                                    | -10.51                                  | lower Holgat    |
| F826           | 238.0             | 2.34                                    | -10.08                                  | lower Holgat    |
| F826           | 241.0             | 2.21                                    | -9.83                                   | lower Holgat    |
| F826           | 251.0             | 2.44                                    | -11.19                                  | lower Holgat    |
| F826           | 255.0             | 2.44                                    | -11.04                                  | lower Holgat    |
| F826           | 259.0             | 2.86                                    | -10.32                                  | lower Holgat    |
| F826           | 266.0             | 2.56                                    | -9.73                                   | lower Holgat    |
| F826           | 270.0             | 2.85                                    | -10.24                                  | lower Holgat    |
| F826           | 271.0             | 2.78                                    | -10.88                                  | lower Holgat    |
| F826           | 272.0             | 2.22                                    | -9.52                                   | lower Holgat    |

**Namaskluft Camp**

**Base of F827 at: S 27°48'24", E 16°53'15"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F827           | 2.0               | 2.25                                    | -10.63                                  | lower Holgat    |
| F827           | 3.0               | 2.02                                    | -10.67                                  | lower Holgat    |
| F827           | 4.0               | 2.21                                    | -10.88                                  | lower Holgat    |
| F827           | 6.0               | 2.33                                    | -10.56                                  | lower Holgat    |

**Namaskluft Camp**

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |      |       |        |              |
|------|------|-------|--------|--------------|
| F827 | 8.0  | 2.16  | -10.46 | lower Holgat |
| F827 | 9.0  | 2.42  | -10.01 | lower Holgat |
| F827 | 10.0 | 2.39  | -11.01 | lower Holgat |
| F827 | 11.0 | 2.32  | -11.36 | lower Holgat |
| F827 | 12.0 | 2.33  | -10.88 | lower Holgat |
| F827 | 13.0 | 2.31  | -10.67 | lower Holgat |
| F827 | 14.0 | 1.86  | -9.26  | lower Holgat |
| F827 | 15.0 | 2.33  | -10.69 | lower Holgat |
| F827 | 16.0 | 2.38  | -9.32  | lower Holgat |
| F827 | 17.0 | 2.70  | -8.70  | lower Holgat |
| F827 | 18.0 | 2.42  | -9.37  | lower Holgat |
| F827 | 19.0 | 2.09  | -9.68  | lower Holgat |
| F827 | 20.0 | 2.25  | -10.05 | lower Holgat |
| F827 | 21.0 | 2.08  | -11.12 | lower Holgat |
| F827 | 24.5 | 1.70  | -8.73  | lower Holgat |
| F827 | 35.0 | -2.17 | -11.89 | Dabie River  |
| F827 | 36.6 | -3.32 | -10.92 | Dabie River  |
| F827 | 37.5 | -4.36 | -11.89 | Dabie River  |
| F827 | 38.5 | -5.15 | -11.26 | Dabie River  |
| F827 | 47.0 | -0.26 | -10.02 | Nama         |
| F827 | 47.5 | -0.27 | -6.93  | Nama         |

**Base of F911 at: S 28°00'29", E 16°51'19"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F911           | 0.0               | -2.85                                   | -7.20                                   | Dreigratberg    |
| F911           | 1.0               | -2.98                                   | -5.96                                   | Dreigratberg    |
| F911           | 2.0               | -3.10                                   | -5.87                                   | Dreigratberg    |
| F911           | 3.0               | -3.03                                   | -6.20                                   | Dreigratberg    |
| F911           | 4.6               | -4.13                                   | -6.53                                   | Dreigratberg    |
| F911           | 6.0               | -4.47                                   | -6.66                                   | Dreigratberg    |
| F911           | 7.0               | -5.10                                   | -8.54                                   | Dreigratberg    |
| F911           | 8.0               | -4.53                                   | -9.05                                   | Dreigratberg    |
| F911           | 10.0              | -4.75                                   | -8.72                                   | Dreigratberg    |
| F911           | 12.0              | -4.76                                   | -8.54                                   | Dreigratberg    |
| F911           | 14.0              | -4.56                                   | -9.48                                   | Dreigratberg    |
| F911           | 16.0              | -4.53                                   | -9.46                                   | Dreigratberg    |
| F911           | 18.0              | -4.38                                   | -9.26                                   | Dreigratberg    |
| F911           | 20.0              | -4.37                                   | -9.02                                   | Dreigratberg    |
| F911           | 23.0              | -4.33                                   | -9.00                                   | Dreigratberg    |
| F911           | 25.0              | -3.61                                   | -7.04                                   | Dreigratberg    |
| F911           | 29.0              | -4.43                                   | -9.09                                   | Dreigratberg    |
| F911           | 32.0              | -4.32                                   | -10.58                                  | Dreigratberg    |
| F911           | 34.0              | -4.22                                   | -10.15                                  | Dreigratberg    |

**Namaskluft Farm**

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

|      |      |       |        |              |
|------|------|-------|--------|--------------|
| F911 | 36.0 | -3.96 | -12.36 | Dreigratberg |
| F911 | 56.0 | 2.60  | -5.40  | upper Holgat |
| F911 | 57.5 | 3.09  | -5.04  | upper Holgat |
| F911 | 59.0 | 3.45  | -4.40  | upper Holgat |
| F911 | 61.0 | 2.83  | -6.06  | upper Holgat |
| F911 | 64.0 | 2.11  | -5.40  | upper Holgat |
| F911 | 72.7 | -3.41 | -6.01  | upper Holgat |
| F911 | 74.0 | -2.90 | -5.35  | upper Holgat |
| F911 | 79.0 | -4.41 | -12.10 | upper Holgat |
| F911 | 81.0 | -2.50 | -7.61  | upper Holgat |

**Base of F912 at: S 28°06'23", E 16°52'53"**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Dreigratberg<br/>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|----------------------------------|
| F912           | 12.0              | -8.11                                   | -12.52                                  | lower Holgat                     |
| F912           | 14.0              | -4.95                                   | -12.66                                  | lower Holgat                     |
| F912           | 15.0              | -3.61                                   | -9.97                                   | lower Holgat                     |
| F912           | 16.0              | -1.03                                   | -11.85                                  | lower Holgat                     |
| F912           | 17.0              | -0.95                                   | -11.60                                  | lower Holgat                     |
| F912           | 24.9              | -1.32                                   | -11.21                                  | Driegratberg                     |
| F912           | 25.1              | -1.29                                   | -10.60                                  | Driegratberg                     |
| F912           | 25.3              | -1.41                                   | -10.17                                  | Driegratberg                     |
| F912           | 25.5              | -1.53                                   | -10.42                                  | Driegratberg                     |
| F912           | 25.8              | -1.68                                   | -10.24                                  | Driegratberg                     |
| F912           | 26.0              | -1.60                                   | -9.90                                   | Driegratberg                     |
| F912           | 26.2              | -2.40                                   | -9.00                                   | Driegratberg                     |
| F912           | 26.4              | -3.02                                   | -8.50                                   | Driegratberg                     |
| F912           | 26.6              | -2.91                                   | -9.23                                   | Driegratberg                     |
| F912           | 27.2              | -2.91                                   | -8.75                                   | Driegratberg                     |
| F912           | 28.0              | -2.69                                   | -9.02                                   | Driegratberg                     |
| F912           | 29.0              | -2.68                                   | -8.96                                   | Driegratberg                     |
| F912           | 34.0              | -3.83                                   | -11.59                                  | Driegratberg                     |
| F912           | 35.0              | -3.85                                   | -11.16                                  | Driegratberg                     |
| F912           | 36.0              | -4.16                                   | -10.86                                  | Driegratberg                     |
| F912           | 37.0              | -4.16                                   | -                                       | Driegratberg                     |
| F912           | 38.0              | -4.03                                   | -10.56                                  | Driegratberg                     |
| F912           | 39.0              | -3.80                                   | -9.70                                   | Driegratberg                     |
| F912           | 40.0              | -4.13                                   | -11.67                                  | Driegratberg                     |
| F912           | 46.0              | -3.66                                   | -10.36                                  | Driegratberg                     |
| F912           | 48.0              | -3.37                                   | -10.92                                  | Driegratberg                     |
| F912           | 50.0              | -3.50                                   | -11.59                                  | Driegratberg                     |
| F912           | 52.8              | -2.90                                   | -11.49                                  | Driegratberg                     |
| F912           | 57.1              | -2.52                                   | -11.92                                  | Driegratberg                     |

Carbon and Oxygen Data Tables  
Macdonald and others, 2010

**Base of F916 at: S 28°40'10", E 17°01'30"**

**Dolomite Peaks**

| <b>Section</b> | <b>Height (m)</b> | <b><math>\delta^{13}\text{C}</math></b> | <b><math>\delta^{18}\text{O}</math></b> | <b>Map Unit</b> |
|----------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------|
| F916           | 0.1               | -1.95                                   | -2.65                                   | Bloeddrif       |
| F916           | 0.3               | -1.55                                   | -9.93                                   | Bloeddrif       |
| F916           | 0.5               | -0.68                                   | -8.34                                   | Bloeddrif       |
| F916           | 0.7               | -1.62                                   | -10.99                                  | Bloeddrif       |
| F916           | 0.9               | -0.33                                   | -7.76                                   | Bloeddrif       |
| F916           | 1                 | -3.42                                   | -13.29                                  | Bloeddrif       |
| F916           | 1.4               | -1.88                                   | -8.77                                   | Bloeddrif       |
| F916           | 1.8               | -0.93                                   | -7.91                                   | Bloeddrif       |
| F916           | 2.2               | -2.31                                   | -0.95                                   | Bloeddrif       |
| F916           | 6.6               | -3.89                                   | -11.75                                  | lower Holgat    |
| F916           | 40.1              | -3.61                                   | -10.80                                  | Dreigratberg    |
| F916           | 40.5              | -2.37                                   | -8.20                                   | Dreigratberg    |
| F916           | 41                | -2.44                                   | -9.82                                   | Dreigratberg    |
| F916           | 42                | -3.14                                   | -10.73                                  | Dreigratberg    |
| F916           | 43                | -2.53                                   | -9.24                                   | Dreigratberg    |