

Appendix 3. Field measurements made in Central Snail Shell Cave near the entrance sinkhole and in the entrance sinkhole on 7 July 2018. Longitude: 86° 32' 11.716" W; Latitude: 35° 46' 57.045" N.

Table 1. Strike and dip of bedding. Mean: 179°, 1.0° E. See Abolins et al. (2014) for an explanation of the method for measuring the strike and dip of very gently dipping strata.

| Measurement # | Strike (°) | Dip (°) | Dip Direction |
|---------------|------------|---------|---------------|
| 1             | 088        | 6.2     | S             |
| 2             | 198        | 1.5     | W             |
| 3             | 330        | 1.3     | E             |
| 4             | 068        | 1.2     | S             |
| 5             | 072        | 2.9     | S             |
| 6             | 304        | 6.8     | N             |
| 7             | 320        | 7.0     | E             |
| 8             | 018        | 0.6     | E             |
| 9             | 268        | 0.9     | N             |
| 10            | 062        | 1.9     | S             |
| 11            | 128        | 0.5     | S             |
| 12            | 321.       | 0.5     | E             |
| 13*           | 357.7      | 1.7     | E             |

\* Based on two apparent dip measurements: 095°, 1.7° and 142°, 1.0°.

Table 2. Strike of joints and veins.

| No. | Strike (o) | Dip (o) | Dip Quad | No. | Strike (o) | Dip (o) | Dip Quad |
|-----|------------|---------|----------|-----|------------|---------|----------|
| 1   | 065        |         |          | 17  | 068        |         |          |
| 2   | 052        |         |          | 18  | 040        |         |          |
| 3   | 305        |         |          | 19  | 042        |         |          |
| 4   | 068        |         |          | 20  | 002        |         |          |
| 5   | 072        |         |          | 21  | 034        |         |          |
| 6   | 075        |         |          | 22  | 095        |         |          |
| 7   | 047        |         |          | 23  | 028        |         |          |
| 8   | 062        |         |          | 24  | 056        |         |          |
| 9   | 046        |         |          | 25  | 077        |         |          |
| 10  | 068        |         |          | 26  | 062        |         |          |
| 11  | 075        |         |          | 27  | 116        | 81      | SW       |
| 12  | 070        |         |          | 28  | 330        |         |          |
| 13  | 062        |         |          | 29  | 062        |         |          |
| 14  | 285        |         |          | 30  | 038        |         |          |
| 15  | 128        |         |          | 31  | 138        |         |          |
| 16  | 048        |         |          | 32  | 142        | 81      | SW       |