

1



2



3



4



5



6



7



8



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10



11



12



**IMPACTITES 6**

| <b>Sample #</b> | <b>Rock type</b>             | <b>Crater setting</b> | <b>Description</b>  | <b>Origin</b>                         |
|-----------------|------------------------------|-----------------------|---|---------------------------------------|
| 1               | Shatter cone                 | Central uplift        | Shatter cone in dolomite  | Haughton impact structure             |
| 2               | Selenite                     | Crater-fill           | Post-impact hydrothermal alteration   | Haughton impact structure             |
| 3               | Gniess (shocked)             | Crater-fill           | Clast from impact melt rock   | Haughton impact structure             |
| 4               | Gniess (unshocked)           | Outside crater        | Unshocked Precambrian shield, 80 km from outside crater   | Haughton impact structure             |
| 5               | Impact melt rock             | Proximal ejecta       | Clast-rich impact melt rock; red color from hematite alteration                                       | Ries impact structure                 |
| 6               | Impact melt rock             | Proximal ejecta       | Vesicular, clast-free impact melt rock  | Mistastin impact structure            |
| 7               | Tektite                      | Distal ejecta         | Glassy tektite  | Muong-nong tektite strewn field       |
| 8               | Impact melt-bearing breccias | Crater-fill deposits  | Clast-rich impact melt rock   | West Clearwater Lake impact structure |
| 9               | Impact melt rock             | Proximal ejecta       | Clast-rich impact melt rock   | Mistastin impact structure            |
| 10              | Impact melt rock             | Crater-fill           | Clast-rich impact melt rock; matrix is carbonate melt and silicate glass, clasts are mostly carbonate | Haughton impact structure             |
| 11              | Impact melt-bearing breccia  | Proximal ejecta       | Polymict, melt-bearing impact breccia   | Ries impact structure                 |
| 12              | Impact melt-bearing breccia  | Proximal ejecta       | Polymict, melt-bearing impact breccia   | Ries impact structure                 |