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IMPACTITES 2

Sample #	Rock type	Crater setting	Description	Origin
1	Shatter cone	Central uplift	Shatter cone in dolomite	Haughton impact structure
2	Impact melt rock	Crater-fill	Clast-rich impact melt rock; matrix is carbonate melt and silicate glass, clasts are mostly carbonate	Haughton impact structure
3	Impact melt rock	Proximal ejecta	Clast-rich impact melt rock; red color from hematite alteration	Ries impact structure
4	Pseudotachylite	Crater floor	Generated through faulting in crater floor; not an impact melt rock but a fault rock	Sudbury impact structure
5	Granophyre	Crater-fill	Coarse-grained, clast-free impact melt rock	Sudbury impact structure
6	Impact melt rock	Proximal ejecta	Vesicular, clast-free impact melt rock	Mistastin impact structure
7	Gniess (shocked)	Crater-fill	Clast from impact melt rock	Haughton impact structure
8	Chalcopyrite	Crater-fill	Impact-generated mineralization from base of crater-fill impact melt sheet	Sudbury impact structure
9	Impact melt-bearing breccia	Proximal ejecta	Polymict, melt-bearing impact breccia	Ries impact structure
10	Tektite	Distal ejecta	Glassy tektite	Muong-nong tektite strewn field
11	Lithic impact breccia	Proximal ejecta	Melt-free, monomict lithic impact breccia	Haughton impact structure