Supplemental Table S2.

Mineralogical data for core LK12-22

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Depth (cm) | Major Mineral | Minor Mineral | Trace | Lab |
| 17-15 | Qtz, Cc |  |  | MN |
| 32.5-30.8 | Qtz, Cc | Phyllo, Dol | Plag, Ksp | GSI |
| 52-50 | Cc, Qtz |  |  | MN |
| 56-55 | Cc, Qtz |  |  | MN |
| 83-82 | Cc, Qtz | Dol |  | MN |
| 86-85 | Cc, Qtz, Plag | Dol |  | MN |
| 90-88 | Qtz, Phyllo | Cc, Dol | Plag, Ksp | GSI |
| 98-95 | Qtz, Cc |  |  | MN |
| 110-108 | Qtz, Cc | Phyllo, Dol, Plag | Ksp, Px | GSI |
| 130-128 | Qtz, Phyllo, Cc | Dol | Ksp, Plag | GSI |

Mineral name abbreviations: Qtz - Quartz; Cc - Calcite ; Phyllo - Phyllosilicate; Dol - Dolomite; Ksp - K-Feldspar; Plag - Plagioclase; Px – Pyroxene

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