|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age** | **Sample No.** | **Context** | **Material** | **Lab no.** | **Radiocarbon age (bp)** | **δ13C**  **(‰)** | **δ18O**  **(‰)** | **XRD** | | **Description** |
| **2470-2160 BC** | SA-285 | C.102 | *Placuna placenta* | Wk-41892 | 3033±20 | -4.56±0.3 | -4.59±0.25 | Calcite |  | Opaque with a pearly luster. |
| SA-4 | C.102/1 | *Tegillarca granosa* | Wk-42439 | 4101±15 | -4.84±0.3 | -4.11±0.25 | Calcite (burnt) |  | White exterior but grey interior suggests possible burning. No obvious dissolution. |
|  |  |  |  |  |  | **HIATUS** | |  |  |  |
| **2940-2370 BC** | SA-286 | C.104 | *Placuna placenta* | Wk-41896a | 3646±20 | -3.59±0.3 | -4.30±0.25 | Calcite |  | Opaque with a minor pearly luster. |
| Wk-41896b | 3801±20 |
| SA-297 | C.105 | *Placuna placenta* | Wk-41897 | 3889±20 | -5.80±0.3 | -4.42±0.25 | Calcite |  | Opaque. |
| SA-287 | C.106 | *Placuna placenta* | Wk-41900 | 3704±20 | -3.39±0.3 | -4.75±0.25 | Calcite |  | Opaque with a slight pearly luster. |
| SA-288 | C.107 | *Placuna placenta* | Wk-41902 | 3577±20 | -6.05±0.3 | -3.80±0.25 | Calcite |  | Opaque with a slight pearly luster. |
| SA-289 | C.108 | *Placuna placenta* | Wk-41904a | 2398±20 | -5.84±0.3 | -3.42±0.25 | - | Too small for XRD analysis | Small fragmented pieces. Powdery, opaque. |
| Wk-41904b | 2297±20 |
| SA-290 | C.109 | *Placuna placenta* | Wk-41906 | 3800±20 | -4.90±0.3 | -4.36±0.25 | Calcite |  | Opaque with a slight pearly luster. |
| SA-291 | C.110 | *Placuna placenta* | Wk-41909 | 3880±20 | -2.33±0.3 | -3.05±0.25 | Calcite |  | Translucent with pearly luster. Brown imperfections within the shell are visible. |
| SA-292 | C.111 | *Placuna placenta* | Wk-41911a | 2109±20 | -4.76±0.3 | -4.54±0.25 | Calcite |  | Brownish grey. Opaque with a slight pearly luster. |
| Wk-41911b | 2670±20 |
| SA-293 | C.112 | *Placuna placenta* | Wk-41913 | 3109±20 | -5.69±0.3 | -4.54±0.25 | Calcite |  | Brownish grey. Opaque with a slight pearly luster. |
| SA-39 | C.104 | *Tegillarca granosa* | Wk-42440 | 4403±20 | -4.25±0.3 | -2.81±0.25 | Calcite (burnt) |  | Grey (burnt): cracks perpendicular to growth (mainly visible on the interior). Harder. Some dissolution of the exterior. |
| SA-55 | C.104/1 | *Tegillarca granosa* | Wk-42442a | 4030±15 | -4.26±0.3 | -2.5±0.25 | Aragonite |  | Umbo and shell edge partly dissolved. Dissolution extends under the ribs. Powdery white appearance. |
| Wk-42442b | 4130±20 |
| SA-154 | c.111/2 | *Tegillarca granosa* | Wk-42446 | 4492±18 | -3.73±0.3 | -3.34±0.25 | Calcite (burnt) |  | Grey (burnt). Cracks perpendicular to growth. Hard. |
| SA-168 | C.112 | *Tegillarca granosa* | Wk-42436a | 4329±15 | -3.23±0.3 | -2.55±0.25 | Aragonite |  | Umbo and shell edge are mostly dissolved. Dissolution extends under the ribs. Powdery white appearance. |
| Wk-42436b | 4268±21 |
| Wk-42436c | 4447±21 |
| SA-274 | c112/2 | *Tegillarca granosa* | Wk-42437 | 4450±20 | -4.04±0.3 | -3.20±0.25 | Aragonite |  | Umbo and shell edge partly dissolved. Dissolution extends under the ribs. A mix of white and pearly appearance. |
|  |  |  |  |  |  | **HIATUS** | |  |  |  |
| **3090-2850 BC** | SA-294 | C.113 | *Placuna placenta* | Wk-41915 | 4148±20 | -1.38±0.3 | -2.54±0.25 | Calcite |  | Translucent with pearly luster. Brown imperfections within the shell are visible. |
| SA-295 | C.114 | *Placuna placenta* | Wk-41918a | 4185±20 | -2.08±0.3 | -2.32±0.25 | Calcite |  | Translucent with pearly luster. |
| Wk-41918b | 4234±20 |
| SA-244 | c114/3 | *Tegillarca granosa* | Wk-42434 | 4635±20 | -4.53±0.3 | -4.35±0.25 | Calcite (burnt) |  | Grey (burnt). Cracks perpendicular to growth. Hard. |

**Appendix 1:** Archaeological, isotope, XRD, and descriptive information for shells from Thach Lac.