| **Basin** | **Approximate Elevation**  **(m asl)** | | **Context** | | **Dated Material** | | **14C Age** | | **2σ Calibrated**  **Age Range (Probability)**  **[µ]** | | **Sample ID** | | **Reference(s)** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Harney-Malheur* | |  | |  | |  | |  | |  | |  | |  |
| *Pluvial Lake Malheur: Sill/Highstand at 1254 m asl; Basin Floor at ~1244 m asl* | | | | | | | | | | | | | | |
|  | 1249 | | Shoreline | | Shell | | 32,040±400 | | 34,994-36,822 (1.0)  [*35,926*] | | USGS-459B | | Gehr (1980); Gehr and Newman (1978) | |
|  | 1250 | | Shoreline | | Shell | | 29,700±280 | | 33,317-34,370 (1.0)  [*33,843*] | | USGS-841 | | Dugas (1998) | |
|  | 1249 | | Shoreline | | Shell | | 29,200±300 | | 32,632-33,963 (1.0)  [*33,374*] | | USGS-840 | | Dugas (1998) | |
|  | 1250 | | Shoreline | | Shell | | 23,800±500 | | 27,099-28,893 (1.0)  [*27,956*] | | USGS-458 | | Gehr (1980) | |
|  | 1249 | | Shoreline | | Shell | | 22,900±260 | | 26,578-27,642 (1.0)  [*27,200*] | | USGS-459A | | Gehr (1980) | |
|  | 1254 | | Shoreline | | Shell | | 9860±80 | | 11,144-11,612 (1.0)  [*11,290*] | | Beta-161511 | | Wriston (2003) | |
|  | 1252 | | Shoreline | | Shell | | 9820±60 | | 11,141-11,361 (0.991) & 11,376-11,389 (0.009)  [*11,234*] | | Beta-172010 | | Wriston (2003) | |
|  | 1250-1252 | | Shoreline | | Shell | | 9620±50 | | 10,774-11,172 (1.0)  [*10,948*] | | USGS-460B | | Gehr (1980); Gehr and Newman (1978) | |
|  | 1251 | | Shoreline | | Shell | | 9550±60 | | 10,691-11,131 (1.0)  [*10,912*] | | Beta-172011 | | Wriston (2003) | |
|  | 1252 | | Marsh | | Shell | | 9540±60 | | 10,674-11,125 (1.0)  [*10,894*] | | Beta-172009 | | Wriston (2003) | |
|  | 1246 | | Nearshore | | Shell | | 9500±210 | | 10,233-11,275 (1.0)  [*10,808*] | | Beta-57834 | | Dugas (1996) | |
|  | 1246 | | Nearshore | | Charcoal | | 9290±150 | | 10,186-10,876 (0.945) & 10,942-11,077 (0.055)  [*10,501*] | | Beta-57833 | | Dugas (1996) | |
|  | 1250 | | Shoreline | | Shell | | 9280±80 | | 10,251-10,609 (0.941) & 10,612-10,660 (0.059)  [*10,460*] | | USGS-460A | | Gehr (1980) | |
|  | 1254 | | Shoreline | | Shell | | 8680±55 | | 9,536-9,795 (0.975) & 9,805-9,816 (0.008) & 9,848-9,865 (0.012) & 9,877-9,885 (0.006)  [*9,637*] | | USGS-461B | | Gehr (1980) | |
|  | 1250 | | Shoreline | | Shell | | 8440±90 | | 9,142-9,175 (0.016) & 9,207-9,219 (0.005) & 9,238-9,555 (0.979)  [*9,443*] | | Beta-51529 | | Raven and Elston (1992) | |
|  | 1254 | | Shoreline | | Shell | | 8060±50 | | 8,764-9,124 (1.0)  [*8,969*] | | USGS-461A | | Gehr (1980) | |
|  | 1250 | | Shoreline | | Shell | | 7760±110 | | 8,374-8,796 (0.918) & 8,827-8,868 (0.028) & 8,881-8,904 (0.012) & 8,906-8,976 (0.042)  [*8,562*] | | Beta-51527 | | Raven and Elston (1992) | |
|  | 1250 | | Shoreline | | Shell | | 7370±200 | | 7,792-8,561 (0.999) & 8,573-8,576 (0.001)  [*8,185*] | | Beta-51531 | | Raven and Elston (1992) | |
|  | 1254  Dry  Moderate  High  Low  Moderate  Moderate  Low  Moderate  Moderate | | Shoreline  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond  Diamond Pond | | Charcoal  Pollen  Pollen  Pollen  Pollen  Pollen  Pollen  Pollen  Pollen  Pollen | | 1040±70  ~5400±55  ~4000±55  ~3700±55  ~2000±55  ~1400±55  ~900±55  ~500±55  ~300±55  ~150±55 | | 788-1,088 (0.970) &  1,109-1,125 (0.012) &  1,133-1,144 (0.007) &  1,159-1,172 (0.011)  [*957*]  6,005-6,083 (0.155) &  6,099-6,161 (0.159) &  6,168-6,296 (0.686)  [*6,207*]  4,260-4,261 (0.001) & 4,288-4,625 (0.974) &  4,763-4,788 (0.025)  [*4,478*]  3,888-4,161 (0.965) &  4,169-4,178 (0.007) &  4,199-4,228 (0.028)  [*4,040*]  1,827-1,850 (0.029) &  1,861-2,070 (0.920) &  2,077-2,113 (0.051)  [*1,955*]  1,187-1,204 (0.027) &  1,240-1,250 (0.010) &  1,255-1,405 (0.963)  [*1,317*]  707-717 (0.017) &  725-927 (0.983)  [*824*]  342-346 (0.004) &  462-568 (0.778) &  583-648 (0.218)  [*532*]  0-2 (0.003) &  153-168 (0.029) &  282-497 (0.968)  [*380*]  0-46 (0.170) &  56-286 (0.830)  [*152*] | | Beta-66631  Not Reported  Not Reported  Not Reported  Not Reported  Not Reported  Not Reported  Not Reported  Not Reported  Not Reported | | Dugas and Bullock (1994)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987)  Wigand (1987) | |
| *Chewaucan* | | | | | | | | | | | | | | |
| *Pluvial Lake Chewaucan: Highstand at 1378 m asl; Modern Lake Levels ~1264 m asl (Summer Lake) and 1297 m asl (Abert Lake)* | | | | | | | | | | | | | | |
|  | 1282 | | Shoreline | | Shell | | 30,700±2500 | | 29,871-40,241 (1.0)  [*34,863*] | | I-1640 | | Allison (1945) | |
|  | Low | | Lacustrine | | Paleomag. | | ca. 27,400-23,200 | | ca. 31,250- 27,500 | |  | | Negrini and Davis (1992) | |
|  | 1281 | | Nearshore? | | Shell | | 25,900 | | 28,996-30,978 (1.0)  [*30,061*] | | I-11,311 | | Allison (1982)\* no error range reported, assumed 500 years for calibration | |
|  | 1312 | | Shoreline | | Shell | | 22080±660 | | 25,046-27,636 (1.0)  [*26,376*] | | I-11, 136 | | Allison (1982) | |
|  | Low | | Lacustrine | | Paleomag. | | ca. 21,700-20,900 | | ca. 25,950- 25,250 | |  | | Negrini and Davis (1992) | |
|  | Low | | Lacustrine | | Paleomag. | | ca. 20,100-19,300 | | ca. 24,170-23,245 | |  | | Negrini and Davis (1992) | |
|  | 1349 | | Shoreline | | Shell | | 17,500±300 | | 20,385-21,918 (1.0)  [*21,155*] | | I-11, 177 | | Allison (1982) | |
|  | High | | Lacustrine | | Paleomag. | | ca. 16,800-16,700 | | ca. 20,263-20,146 | |  | | Negrini and Davis (1992) | |
|  | <1364 | | Limiting | | Bone | | 13,260±60 | | 15,733-16,148 (1.0)  [*15,942*] | | Beta-229782; | | Jenkins (2007);  Jenkins et al. (2013) | |
|  | 1310 | | Nearshore | | Tufa | | 12,495±90 | | 14,235-15,101 (1.0)  [*14,693*] | | AA25321 | | Freidel (2001) | |
|  | 1310 | | Nearshore | | Tufa | | 12,340±90 | | 14,040-14,860 (1.0)  [*14,387*] | | AA25320 | | Freidel (2001) | |
|  | 1337 | | Nearshore | | Tufa | | 12,050±130 | | 13,563-14,247 (1.0)  [*13,913*] | | AA25323 | | Freidel (2001) | |
|  | 1310 | | Shoreline | | Shell | | 12,030±90 | | 13,635-13,667 (0.013) & 13,706-14,132 (0.987)  [*13,890*] | | Not Reported | | Licciardi (2001) | |
|  | 1325 | | Pluvial Delta | | Shell | | 11,930±90 | | 13,556-14,020 (1.0)  [*13,762*] | | Not Reported | | Licciardi (2001) | |
|  | 1321 | | Nearshore | | Tufa | | 11,910±100 | | 13,487-13,517 (0.017) & 13,540-14,016  (0.983)  [*13,736*] | | AA25322 | | Freidel (2001) | |
|  | 1329 | | Nearshore | | Tufa | | 11,880±80 | | 13,486-13,515 (0.018) & 13,541-13,872 (0.936) & 13,877-13,951 (0.046)  [*13,689*] | | Beta-82260 | | Freidel (2001) | |
|  | 1310 | | Shoreline | | Shell | | 11,670±90 | | 13,318-13,717 (1.0)  [*13,501*] | | Not Reported | | Licciardi (2001) | |
|  | 1310 | | Shoreline | | Shell | | 11,560±120 | | 13,126-13,610 (0.998) & 13,690-13,696 (0.002)  [*13,390*] | | Not Reported | | Licciardi (2001) | |
|  | ~1306 | | Marsh | | Tephra | | 6,730±40 | | 7,514-7,539 & 7,560-7,666 (1.0)  [*7,597*] | | Weighted Mean | | Hansen (1947); Hallett et al. (1997) | |
|  | Basin Floor | | Dunes | | Tephra | | 6,730±40 | | 7,514-7,539 (0.086) & 7,560-7,666 (0.914)  [*7,597*] | | Weighted Mean | | Davis (1985); Hallett et al. (1997) | |
| *Fort Rock* | | | | | | | | | | | | | | |
| *Pluvial Lake Fort Rock: Highstand at ~1356-1370 m asl; Basin Floor at 1310-1316 m asl* | | | | | | | | | | | | | | |
|  | 1365 | | Shoreline | | Shell | | 33,560±640 | | 36,222-39,314 (1.0)  [*37,790*] | | Beta-56910 | | Freidel (1993) | |
|  | 1356 | | Shoreline | | Shell | | 29,720±600 | | 32,351-34,927 (1.0)  [*33,794*] | | Beta-50951 | | Freidel (1993) | |
|  | 1335 | | Shoreline | | Shell | | 13,380±230 (corrected for fractionation) | | 15,364-16,783 (1.0)  [*16,095*] | | Gak-1752 | | Bedwell (1973) | |
|  | <1355 | | Limiting | | Charcoal | | 13,200±720 | | 13,717-17,723 (1.0)  [*15,756*] | | Gak-1738 | | Bedwell (1973) | |
|  | 1335 | | Shoreline | | Shell | | 12,980±230 (uncorrected for fractionation) | | 14,719-16,233 (1.0)  [*15,517*] | | Gak-1752 | | Bedwell (1973) | |
|  | <1356 | | Limiting | | Charcoal | | 11,950±350 | | 13,127-15,049 (1.0)  [*13,917*] | | Gak-1751 | | Bedwell (1973) | |
|  | 1312 | | Nearshore | | Ostracods | | 11,490±90 | | 13,132-13,482 (1.0)  [*13,333*] | | Beta-23957 | | Freidel (1994) | |
|  | <1355 | | Limiting | | Charcoal | | 11,200±200 | | 12,719-13,411 (1.0)  [*13,056*] | | Gak-2141 | | Bedwell (1973) | |
|  | <1312 | | Limiting | | Bone | | 10,275±95 | | 11,625-11,674 (0.016) & 11,695-12,421 (0.984)  [*12,050*] | | A-5495 | | Freidel (1994) | |
|  | 1314 | | Limiting | | Soil | | 10,170±230 | | 11,209-12,555 (1.0)  [*11,837*] | | Beta-85688 | | Jenkins et al. (2004) | |
|  | 1314 | | Limiting | | Charcoal/  Hearth | | 9400±270 | | 9,799-9,801 (0.000) &  9,819-9,845 (0.002) &  9,868-9,873 (0.000) &  9,887-11,398 (0.997)  [*10,678*] | | WSU-3499 | | Jenkins et al. (2004) | |
|  | 1312 | | Limiting | | Charcoal | | 9130±130 | | 9,912-10,604 (0.986) & 10,619-10,654 (0.014)  [*10,320*] | | Beta-23593 | | Freidel (1994) | |
|  | 1314 | | Limiting | | Tephra | | 6,730±40 | | 7,514-7,539 (0.086) & 7,560-7,666 (0.914)  [*7,597*] | | Weighted Mean | | Allison (1979);  Jenkins et al. (2004); Hallett et al. (1997) | |
| *Surprise* | | | | | | | | | | | | | | |
| *Pluvial Lake Surprise:* *Highstand at ~1540 m asl; Basin Floor at 1357 m asl* | | | | | | | | | | | | | | |
|  | 1378 | | Lacustrine | | Trego Hot Springs Tephra | | 23,200±300 | | 26,812-27,903 (1.0)  [*27,446*] | |  | | Hedel (1980,1984); Benson et al. (1997) | |
|  | 1478 | | Pluvial Delta | | OSL | |  | | 23,800±4,600 | |  | | Personius et al. (2009) | |
|  | 1419.5 | | Nearshore | | Tufa | | 18,270±70 | | 21,899-22,355 (1.0)  [*22,140*] | | Beta-342015 | | Ibarra et al. (2014) | |
|  | 1437.7 | | Nearshore | | Tufa | | 17,580±70 | | 20,978-21,511 (1.0)  [*21,247*] | | Beta-342013 | | Ibarra et al. (2014) | |
|  | 1419.5 | | Nearshore | | Tufa | | 17,560±60 | | 20,971-21,464 (1.0)  [*21,217*] | | Beta-340104 | | Ibarra et al. (2014) | |
|  | 1437.2 | | Nearshore | | Tufa | | 17,490±90 | | 20,836-21,432 (1.0)  [*21,127*] | | Beta-342018 | | Ibarra et al. (2014) | |
|  | 1430.6 | | Nearshore | | Tufa | | 17,280±60 | | 20,631-21,052 (1.0)  [*20,836*] | | Beta-340102 | | Ibarra et al. (2014) | |
|  | 1478 | | Pluvial Delta | | OSL | |  | | 19,600±2,500 | |  | | Personius et al. (2009) | |
|  | 1433.1 | | Nearshore | | Tufa | | 16,150±70 | | 19,248-19,699 (1.0)  [*19,491*] | | Beta-342020 | | Ibarra et al. (2014) | |
|  | 1453.5 | | Nearshore | | Tufa | | 15,930±70 | | 18,988-19,457 (1.0)  [*19,212*] | | Beta-342012 | | Ibarra et al. (2014) | |
|  | 1530.7 | | Nearshore | | Tufa | | 12,750±50 | | 15,006-15,364 (1.0)  [*15,192*] | | Beta-342019 | | Ibarra et al. (2014) | |
|  | 1516.8 | | Nearshore | | Tufa | | 12,600±50 | | 14,693-15,178 (1.0)  [*14,964*] | | Beta-342017 | | Ibarra et al. (2014) | |
|  | 1508.9 | | Nearshore | | Tufa | | 12,420±50 | | 14,183-14,875 (1.0)  [*14,515*] | | Beta-340105 | | Ibarra et al. (2014) | |
|  | 1478 | | Pluvial Delta | | OSL | |  | | 13,400±4,600 | |  | | Personius et al. (2009) | |
|  | 1478.4 | | Nearshore | | Tufa | | 10,790±50 | | 12,644-12,758 (1.0)  [*12,708*] | | Beta-342014 | | Ibarra et al. (2014) | |
|  | 1444.3 | | Nearshore | | Tufa | | 9,470±40 | | 10,581-10,794 (0.888) & 10,855-10,857 (0.001) & 10,963-11,007 (0.052) & 11,021-11,065 (0.059)  [*10,713*] | | Beta-342016 | | Ibarra et al. (2014) | |
|  | 1475 | | Subaerial | | Tephra | | 6,730±40 | | 7,514-7,539 (0.086) & 7,560-7,666 (0.914)  [*7,597*] | | Weighted Mean | | Personius et al. (2009); Hallett et al. (1997) | |
|  | <1376 | | Limiting | | Arch | | 5,640±155 | | 6,021-6,054 (0.010) & 6,058-6,079 (0.006) & 6,111-6,155 (0.015) & 6,173-6,792 (0.969)  [*6,446*] | | UCLA-1770 | | O'Connell and Inoway (1994) | |