|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Site/ Unit Name | Sample ID |  14C age(14C yr B.P.) | Calendar age (cal yr B.P., 2σ) | \*Relative area under distribution | Source |
| Arizona | Chapo Ranch, AZ | AA-53781 | 9580±170 | 11313-10404 | 1 | Haynes 2008 |
|  | Chapo Ranch  | AA-52885 | 10516±75 | 12660-1222112218-12142 | 0.9370.062 | Haynes 2008 |
|  | Chapo Ranch  | AA-52886 | 10696±57 | 12722-12564 | 1 | Haynes 2008 |
|  | Horsethief Draw, Earp Marl | SPV02-HD1-7 | 8950±40 | 10083-991810221-10114 | 0.5380.462 | Pigati et al. 2009 |
|  | Horsethief Draw, Earp Marl | SPV07-HD1-7 | 9010±40 | 10246-10147 | 0.946 | Pigati et al. 2009 |
|  | Murray Springs, Profile B | AA-26211 | 10325±45 | 12252-1197612388-12259 | 0.7390.260 | Jull et al. 1999 |
|  | Murray Springs, Profile B | AA-26212 | 10630±60 | 12712-1252212473-12430 | 0.9430.057 | Jull et al. 1999 |
|  | Murray Springs, Profile B | AA-26210 | 9820±45 | 11294-11179 | 0.984 | Jull et al. 1999 |
|  | Murray Springs, Area 1 | 16MS67A | 8900±400 | 11124-9031 | 1 | Haynes 2007a |
|  | Murray Springs, Area 1 | 17ms67c | 10250±170 | 12540-11386 | 0.989 | Haynes 2007a |
|  | Murray Springs, Area 1 | 15ms67b | 10360±90 | 12731-12389 | 0.999 | Haynes 2007a |
|  | Murray Springs, Tr 13N | 51A70 | 8600±240 | 10226-9076 | 0.993 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 51A70 | 8940±210 | 10523-9535 | 0.994 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 51A70 | 9240±140 | 10795-10153 | 0.978 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 52A70 | 8870±140 | 10231-9560 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 52A70 | 8580±240 | 10209-9028 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 50A70 | 9820±160 | 11820-10713 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 49A70 | 9310±150 | 10879-1020111080-10932 | 0.9290.071 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 48A70 | 9560±150 | 11242-10492 | 0.996 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 44A70 | 9570±370 | 12122-9886 | 0.996 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 44A70 | 9980±360 | 12398-10265 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 47A70 | 9810±150 | 11763-10727 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 46A70 | 9660±150 | 11394-10564 | 1 | Haynes 2007a |
|  | Murray Springs, North of RR | 2A70 | 10680±140 | 12821-12136 | 1 | Haynes 2007a |
|  | Murray Springs, North of RR | 2A70 | 9420±80 | 10872-1047511073-10947 | 0.8620.110 | Haynes 2007a |
|  | Murray Springs, North of RR | 2A70 | 9190±250 | 11124-9686 | 1 | Haynes 2007a |
|  | Murray Springs, Area 8 | 28A70 | 10260±430 | 12952-10707 | 1 | Haynes 2007a |
|  | Murray Springs, Area 8 | 28A70 | 9410±160 | 11134-10259 | 1 | Haynes 2007a |
|  | Murray Springs, Area 8 | 28A70 | 9240±270 | 11187-9703 | 1 | Haynes 2007a |
|  | Murray Springs, Area 4 | H-7 | 10760±100 | 12841-12523 | 0.982 | Haynes 2007a |
|  | Murray Springs, Area 4 | 4 29 | 10260±140 | 12434-1158511580-11404 | 0.9060.069 | Haynes 2007a |
|  | Murray Springs, Trench 28 | 23-21 | 9790±160 | 11769-10690 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 28 | 23-21 | 9850±160 | 11830-10753 | 0.985 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 52 | 8870±140 | 10231-9560 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 52 | 8580±240 | 10209-9028 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 51 | 8600±240 | 10226-9076 | 0.992 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 51 | 8940±210 | 10523-9539 | 0.994 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 51 | 9240±140 | 10795-10153 | 0.978 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 50 | 9820±160 | 11820-10713 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 49 | 9310±150 | 10879-1020111080-10932 | 0.9290.071 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 48 | 9650±100 | 11230-10719 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 47 | 9810±150 | 11763-10727 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 46 | 9660±150 | 11394-10564 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 44 | 9570±370 | 12122-9886 | 0.996 | Haynes 2007a |
|  | Murray Springs, Trench 13N | 44 | 9980±360 | 12621-10564 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 18 | 28 | 10260±430 | 12952-10707 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 18 | 28 | 9410±160 | 11134-10259 | 1 | Haynes 2007a |
|  | Murray Springs, Trench 18 | 28 | 9240±270 | 11187-9703 | 1 | Haynes 2007a |
|  | Naco site AZ | 3a | 9250±30 | 10518-10284 | 1 | Haynes 2008 |
|  | Red Peak Valley, AZ | 4a | 9660±150 | 11394-10564 | 1 | Haynes 2008 |
|  | Seff Locality, Earp Marl | SPV05-SL-1 | 10570± 60 | 12687-12403 | 1 | Pigati et al. 2009 |
|  | Wilcox Playa AZ | Stratum C | 8910±280 | 10744-9396 | 0.992 | Haynes 2008 |
| California | Valley Wells, Unit E2b | VW7-19 | 9650±100 | 11230-10719 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW2-7 | 9990±80 | 11774-11237 | 0.992 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW1-3 | 10080±100 | 12011-11272 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW26-69 | 10150±80 | 12086-11399 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VWF87-1b | 10250±320 | 12736-11083 | 0.995 | Quade et al. 1995 |
|  | Valley Wells, Unit E2b | VW23-67 | 10320±80 | 12422-11815 | 0.992 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW23-67 | 10470±80 | 12616-12080 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW1-3 | 10670±120 | 12788-12375 | 0.954 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW7-19 | 10780±80 | 12802-12567 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VW24-68 | 11190±240 | 13488-12672 | 1 | Pigati et al. 2011 |
|  | Valley Wells, Unit E2b | VWC87-3b | 11600±240 | 14010-12994 | 1 | Quade et al. 1998 |
|  | Dove Spring | MOJ07-105-DS | 9950±50 | 11509-1124111612-11517 | 0.8290.170 | Pigati et al. 2012 |
|  | Dove Spring | MOJ07-104-DS | 10150±50 | 12409-11603 | 0.986 | Pigati et al. 2012 |
|  | Dove Spring | MOJ07-109-DS | 10510±60 | 12647-1237112354-12230 | 0.8500.113 | Pigati et al. 2012 |
| Nevada | Browns Springs | PVcarb22b | 7230±100 | 8216-7912 | 0.910 | Quade et al. 1998 |
|  | Browns Springs | PVCarb.21b | 8210±210 | 9547-8589 | 1 | Quade et al. 1998 |
|  | Cactus Springs | Cac.Spr.Mol 31 | <9460±60 | 10871-1055511073-10948 | 0.8300.168 | Quade 1989 |
|  | Cactus Springs | Cac.Spr.Carb 7 | 10,060±200 | 12413-11130 | 1 | Quade et al. 1998 |
|  | Cactus Springs | Cac.spr.Carb 6 | 10,410±110 | 12627-11946 | 0.987 | Quade et al. 1995 |
|  | Cactus Springs | Cac SprCarb-2b | 9460±60 | 10871-1055511073-10948 | 0.8300.168 | Quade and Pratt 1989 |
|  | Cactus Springs | Cac SprCarb-2b | 9680±100 | 11245-10733 | 1 | Quade and Pratt 1989 |
|  | Corn Creek Flat | CS81 Carb 6 | 9220±180 | 10878-9904 | 0.957 | Quade et al. 1995 |
|  | Corn Creek Flat | CSC87-7 | 10200±130 | 12395-11387 | 0.989 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC87-5b | 6340±260 | 7692-6633 | 0.999 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC87-9b | 8760±60 | 9940-9550 | 0.945 | Quade et al. 1998 |
|  | Corn Creek Flat | CSCarb.-11a | 6220±250 | 7573-6535 | 1 | Quade 1986 |
|  | Corn Creek Flat | CS81Carb11b | 8640±150 | 10172-9404 | 0.996 | Quade 1986 |
|  | Corn Creek Flat | CS81 carb. 3a | 10090±160 | 12189-11217 | 0.976 | Quade 1986 |
|  | Corn Creek Flat | CS81carb.3b | 10140±130 | 12183-11262 | 0.979 | Quade et al. 1995 |
|  | Corn Creek Flat | 75a | 10200±350 | 12724-11061 | 0.963 | Haynes 1967 |
|  | Corn Creek Flat | CS81Carb 13b | 10220±210 | 12544-11264 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC87-6b | 10390±150 | 12674-11714 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | 76a | 10800±300 | 13294-11802 | 1 | Haynes 1967 |
|  | Corn Creek Flat | CSC87-2b | 11580±240 | 13994-12971 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSWood1 | 11540±50 | 13467-13281 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | 77a | 11700±250 | 14132-13058 | 1 | Haynes 1967 |
|  | Corn Creek Flat | CSC87-1b | 11760±130 | 13850-13301 | 0.992 | Quade et al. 1995 |
|  | Corn Creek Flat | CSC87-3b | 11800±180 | 14064-13281 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC87-8b | 11870±200 | 14211-13276 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC27b | 12100±60 | 14118-13773 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSCarb.30b | 12180±110 | 14564-13753 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSCarb.27b | 12400±60 | 14857-14144 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSCarb.28a | 12410±60 | 14886-14158 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSCarb.28b | 12490±50 | 15041-14301 | 1 | Quade et al. 1998 |
|  | Corn Creek Flat | CSC-29b | 12810±60 | 15491-15098 | 1 | Quade et al. 1998 |
|  | Gilcrease Ranch, Unit II  | Beta-78244 | 10560±100 | 12706-12221 | 0.951 | De Narvaez 1995 |
|  | Gilcrease Ranch, Unit II  | Beta-78243 | 9920±90 | 11720-11196 | 0.995 | De Narvaez 1995 |
|  | Gilcrease Ranch | 62a | 9200±250 | 11131-9697 | 1 | Haynes 1967 |
|  | Gilcrease Ranch | 63a | 9920±150 | 12019-11073 | 0.981 | Haynes 1967 |
|  | Gilcrease Ranch | 19b | 10810±460 | 13494-11269 | 0.996 | Haynes 2008 |
|  | Hidden Valley | PVCarb.-47b | 7920±160 | 9140-8407 | 0.981 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb.37b | 8480±160 | 9891-9031 | 1 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb.-10b | 8510±190 | 9951-9025 | 0.959 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb.-34b | 8600±170 | 10176-9260 | 1 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-41b | 8600±130 | 9948-9369 | 0.936 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb.-29b | 8610±150 | 9967-937010155-9982 | 0.8820.090 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb.-36b | 9120±110 | 10578-1011810067-9926 | 0.9300.069 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-27b | 9440±50 | 10790-10545 | 0.948 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-38b | 9760±130 | 11502-10717 | 0.967 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-26b | 10090±100 | 12026-11279 | 1 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-36b | 10170±80 | 12120-1159011578-11404 | 0.9050.095 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-39b | 10920±160 | 13099-12566 | 1 | Quade et al. 1998 |
|  | Hidden Valley | PVCarb-33b | 10940±390 | 13586-11699 | 0.997 | Quade et al. 1995 |
|  | Hidden Valley | PVCarb-31b | 11190±210 | 13423-12711 | 1 | Quade et al. 1995 |
|  | N. Coyote Springs | NCySC-4b | 6670±50 | 7616-7456 | 0.986 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-6b | 7790±90 | 8791-8403 | 0.927 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-8b | 8145±80 | 9321-8950 | 0.914 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-3b | 81600±70 | 9322-8981 | 0.978 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-9b | 8400±70 | 9535-9252 | 0.998 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-7b | 8880±80 | 10202-9699 | 1 | Quade et al. 1998 |
|  | N. Coyote Springs | NCySC-5b | 9500±280 | 11726-10146 | 0.991 | Quade et al. 1995 |
|  | N. Coyote Springs | NCySC-2b | 10390±60 | 12432-12029 | 0.951 | Quade et al. 1998 |
|  | S. Coyote Springs | SCySCarb-1b | 9970±90 | 11775-11217 | 0.991 | Quade et al. 1995 |
|  | Sandy valley | SVF87-9 | 9620±110 | 11229-10667 | 1 | Quade et al. 1998 |
|  | Sandy Valley | SAVCarb-1b | 11020±140 | 13125-12696 | 1 | Quade et al. 1995 |
|  | Stump Spring | Pah Carb 26 | 10090±100 | 12026-11279 | 1 | Quade et al. 1998 |
|  | Stump Spring | Pvcarb.-15a | 8570±170 | 9973-923810156-9980 | 0.9030.079 | Quade et al. 1995 |
|  | Stump Spring | PVCarb.-14b | 9060±60 | 10407-10146 | 0.962 | Quade et al. 1998 |
|  | Stump Spring | PVCarb.-27b | 9440±50 | 10790-10545 | 0.948 | Quade et al. 1998 |
|  | Stump Spring | PVCarb-13b | 9650±70 | 11202-10767 | 1 | Quade et al. 1998 |
|  | Stump Spring | PVCarb-12b | 9810±60 | 11354-11124 | 1 | Quade et al. 1998 |
|  | Stump Spring | PVCarb-7b | 10090±200 | 12421-11174 | 0.998 | Quade et al. 1998 |
|  | Stump Spring | PVCarb-11b | 10380±380 | 13045-11090 | 0.998 | Quade et al. 1995 |
|  | Stump Spring | PVCarb-8a | 10450±150 | 12696-11918 | 0.967 | Quade et al. 1998 |
|  | Sunshine locality NV | 69781 | 8560±100 | 9824-9397 | 0.961 | Huckleberry et al. 2001 |
|  | Sunshine locality NV | 86200 | 9040±190 | 10601-9594 | 0.989 | Huckleberry et al. 2001 |
|  | Sunshine locality NV | 69782 | 9820±60 | 11361-11141 | 0.991 | Huckleberry et al. 2001 |
|  | Sunshine locality NV | 86202 | 9910±50 | 11411-1121511494-1143011601-11547 | 0.8950.0530.052 | Huckleberry et al. 2001 |
|  | Sunshine locality NV | 86203 | 9940±60 | 11620-11228 | 11321 | Huckleberry et al. 2001 |
|  | Sunshine locality NV | 86204 | 10060±50 | 11822-11326 | 0.991 | Huckleberry et al. 2001 |
| New Mexico | Blackwater Draw | AA-1361 | 10640±110 | 12743-12375 | 0.949 | Haynes 1995 |
|  | Blackwater Draw | AA-1363 | 10160±120 | 12189-11307 | 0.968 | Haynes 1995 |
|  | Blackwater Draw | AA-1364 | 10210±110 | 12246-1158711579-1140412385-12263 | 0.8470.0870.065 | Haynes 1995 |
|  | Blackwater Draw | AA-1362 | 10740±100 | 12812-12520 | 0.968 | Haynes 1995 |
|  | Blackwater Draw | A-4702 | 9870±320 | 12422-10487 | 0.995 | Haynes 1995 |
|  | Blackwater Draw | A-1372 | 10250±200 | 12559-11303 | 0.998 | Haynes 1995 |
|  | Blackwater Draw | AA-2261 | 9950±100 | 11812-11198 | 1 | Haynes 1995 |
|  | Blackwater Draw | AA-1412 | 9860±210 | 12065-10677 | 1 | Haynes 1995 |
|  | Pounds Playa NM | AA-66775L | 9620±90 | 11203-10713 | 1 | Haynes 2008 |
|  | Pounds Playa NM | AA-66775H | 11700±70 | 13723-13405 | 1 | Haynes 2008 |
| Texas | Aubrey site, TX,  | Strata E&G | 10085±80 | 11996-11321 | 1 | Haynes 2008 |
|  | Aubrey site, TX | Strata E&G | 10940±80 | 13000-12703 | 1 | Haynes 2008 |
|  | Lubbock Lake | SI-3203 | 10015±75 | 11819-11247 | 1 | Haas et al. 1986 |
|  | Lubbock Lake | SI-4975 | 9905±140 | 11979-11076 | 0.982 | Haas et al. 1986 |
|  | Lubbock Lake  | LL65-2A | 10780±300 | 13276-11767 | 1 | Hatte et al. 2010 |
|  | Lubbock Lake  | SMU-251 | 10060±70 | 11837-1130211958-11869 | 0.9380.058 | Haas et al. 1986 |
|  | Lubbock Lake  | SI-3200 | 10360±80 | 12443-1195012529-12454 | 0.9390.052 | Haas et al. 1986 |
|  | Lubbock Lake  | SI-4976 | 10195±165 | 12420-11269 | 1 | Haas et al. 1986 |
|  | Lubbock Lake  | SMU-285 | 10530±90 | 12684-12136 | 1 | Haas et al. 1986 |

\*Age ranges where P<.05 were not reported